

GEM Building Taxonomy Report

-CIP/LFM+DUC/YEX:2002/HEX:10+HBEX:0+HFEX:3.1+HD:0/RES+RES2B/BP1/PLFR/IRRE/EWMA/RSH1+RMT

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Taxonomy string:

DX /CR+CIP /LFM+DUC /DY /CR+CIP /LFM+DUC /YEX:2002 /HEX:10+HBEX:0+HFEX:3.1+HD:0 /RES+RES2B /BP1 /PLFR /IRRE /EWMA /RSH1+RMT1+RC+RC2+RTDN /FC+FC2 /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):

Moment frame

System ductility (direction 1):

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):

Moment frame

System ductility (direction 2):

Ductile

Foundations:

Shallow foundation, with lateral capacity

Plan shape:

Rectangular, solid

Type of Irregularity:

Regular structure

Building position within a block:

One adjacent building

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Vertical structural irregularity - secondary:

Roof shape:

Flat

Roof covering:

Clay or concrete tile

Roof system material:

Concrete

Roof system type:

Cast-in-place beam-supported RC roof

Roof connections:

Roof tie-down not provided

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:

Exact date of construction or retrofit 2002

Number of storeys above the ground:

Exact number of storeys 10

Number of storeys below the ground:

Exact number of storeys 0

Height of the grade above ground floor:

Exact height above grade 3.1

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

3-4 Units

Country:

Venezuela

Region (province, state, etc.):

Lara

Summary:

This is a typical residential building as we have in urab areas of Venezuela. Its typology is moment resisting frames in both orthogonal directions designed for high ductility response. The seismic hazard for our city is high, with a basic acceleration of 0.3g.