

GEM Building Taxonomy Report

Japan - 2

Scawthorn



Taxonomy string:

DX /CR+CIP /LFM+DUC /DY /CR+CIP /LFM+DUC /YAPP:1993 /HEX:3+HBEX:0+HFAPP:0+HD:3 /RES+RES2D /BPD /PLFU /IRIR+IRPP:REC /EWMA /RSH1+RMT3+RC+RC2+RWCP /FC+FC2+FWCP /FOSN

Material type (direction 1):

Concrete, reinforced

Material properties (direction 1):

Lateral load-resisting system (direction 1):

Moment frame

Material type (direction 2):

Concrete, reinforced

Material properties (direction 2):

Lateral load-resisting system (direction 2):

Moment frame

Foundations:

Shallow foundation, with no lateral capacity

Type of Irregularity:

Irregular structure

Plan structural irregularity - primary:

Re-entrant corner

Plan structural irregularity - secondary:

No irregularity

Roof shape:

Flat

Roof system material:

Concrete

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

Concrete

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Masonry

Date of construction:

Approximate date of construction or retrofit 1993

Number of storeys above the ground:

Exact number of storeys 3

Height of the grade above ground floor:

Approximate height above grade 0

Occupancy type - general:

Residential

Country:

Japan

Summary:

Material technology (direction 1):

Cast-in-place concrete

Material technology (additional, direction 1):

System ductility (direction 1):

Ductile

Material technology (direction 2):

Cast-in-place concrete

Material technology (additional, direction 2):

System ductility (direction 2):

Ductile

Plan shape:

U-shape

Building position within a block:

Detached building

Vertical structural irregularity - primary:

No irregularity

Vertical structural irregularity - secondary:

Roof covering:

Membrane roofing

Roof system type:

Cast-in-place beam-supported RC roof

Floor system type:

Cast-in-place beam-supported RC floor

Number of storeys below the ground:

Exact number of storeys 0

Slope of the ground (for buildings on slopes):

Slope of the ground 3

Occupancy type - detail:

10-19 Units

Region (province, state, etc.):

Kyoto - 35° 1'20.72"N 135°47'16.55"E

Typical modern Japanese low-rise RC apartment ("mansion") building