

# GEM Building Taxonomy Report

hong kong typical residential building

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Taxonomy string:

DX /CR+CIP /LDUAL /DY /CR+CIP /LDUAL //HAPP:30+HBAPP:0+HFBET:90,120 /RES /BPI /PLFH /IRRE /EWMA /RSH1+RMN /FC+FC2 /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):  
Dual frame-wall system

Type of lateral load-resisting system (DY):  
Dual frame-wall system

Number of storeys above ground:  
Approximate number of storeys: 30

Number of storeys below ground:  
Approximate number of storeys: 0

Height of grade above ground level:  
Range of height above grade: 90-120

Building occupancy class - general:  
Residential

Building Position within a block:  
Interior of block

Shape of the Building Plan:  
H-shape

Material of exterior walls:  
Masonry

Type of irregularity:  
Regular structure

Roof shape:  
Flat

Roof covering:  
Concrete roof, no covering

Floor system material:  
Concrete

Floor system type:  
Cast-in-place beam-supported RC floor

Foundation system:  
Deep foundation, with no lateral capacity

Countries:  
Hong Kong