

GEM Building Taxonomy Report

Pomonis_Reinforced Concrete Dual Frame-Shear Wall system

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Taxonomy string:

DX+PF /CR+CIP /LDUAL+DUC /DY+OF /CR+CIP /LDUAL+DUC /YEX:1998 /HEX:6+HBEX:1+HFEX:0.75+HD:0 /RES+RES2D /BPD /PLFI /IRIR+IRPP:REC+IRPS:TOR+IRVP:SOS /EWMA /RSH1+RMN+RC+RC2+RWCP /FC+FC2+FWCP /FOSDL

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):

Dual frame-wall system

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):

Dual frame-wall system

System ductility (direction 2):

Ductile

Foundations:

Deep foundation, with lateral capacity

Plan shape:

Irregular plan shape

Type of Irregularity:

Irregular structure

Building position within a block:

Detached building

Plan structural irregularity - primary:

Re-entrant corner

Vertical structural irregularity - primary:

Torsion eccentricity

Plan structural irregularity - secondary:

Soft storey

Vertical structural irregularity - secondary:

No irregularity

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:

Exact date of construction or retrofit

1998

Number of storeys above the ground:

Exact number of storeys

6

Number of storeys below the ground:

Exact number of storeys

1

Height of the grade above ground floor:

Exact height above grade

0.75

Slope of the ground (for buildings on slopes):

Slope of the ground

0

Occupancy type - general:

Residential

Occupancy type - detail:

10-19 Units

Country:

Greece

Region (province, state, etc.):

Athens

Summary:

A typical GF+5 storeys RC apartment building on soft storey, constructed in the late '90s on the basis of the 1995 earthquake code