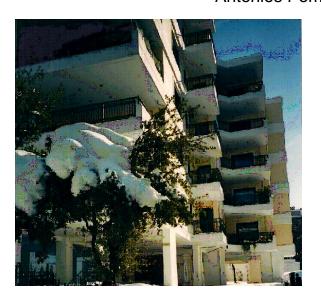
## **GEM Building Taxonomy Report**

## Pomonis\_Reinforced Concrete Dual Frame-Shear Wall system **Antonios Pomonis**



## Taxonomy string:

Concrete, reinforced

Roof connections:

Exterior walls material:

Residential

Summary:

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

Cast-in-place concrete

Plan shape:

10-19 Units

Irregular plan shape

Material technology (direction 1): Material type (direction 1): Concrete, reinforced Cast-in-place concrete Material properties (direction 1): Material technology (additional, direction 1): System ductility (direction 1): Lateral load-resisting system (direction 1): Dual frame-wall system **Ductile** Material technology (direction 2): Material type (direction 2):

Material properties (direction 2): Material techonology (additional, direction 2):

Lateral load-resisting system (direction 2): System ductility (direction 2):

**Ductile** Dual frame-wall system

Foundations: Deep foundation, with lateral capacity

Building position within a block: Type of Irregularity:

Irregular structure **Detached building** 

Plan structural irregularity - primary: Vertical structural irregularity - primary:

Re-entrant corner Torsion eccentricity

Plan structural irregularity - secondary: Vertical structural irregularity - secondary:

Soft storey No irregularity Roof shape: Roof covering:

Concrete roof, no covering Flat Roof system type: Roof system material:

Concrete Cast-in-place beam-supported RC roof

Roof-wall diaphragm connection present

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

Floor connections: Floor-wall diaphragm connection present

Masonry Date of constrution:

Exact date of construction or retrofit 1998 Number of storeys above the ground: Number of storeys below the ground:

Exact number of storeys 6 Exact number of storeys 1

Height of the grade above ground floor: Slope of the ground (for buildings on slopes): Slope of the ground Exact height above grade 0.75 0

Occupancy type - general: Occupancy type - detail:

Region (province, state, etc.): Country:

**Athens** 

Greece

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