GEM Building Taxonomy Report

RC infilled frame building housing two departments of the Civil Engineering Faculty Demeter I.

Taxonomy string:

DX+PF /CR+CIP /LFINF /DY+OF /CR+CIP /LFINF /YAPP:1975 /HEX:3+HBEX:0+HFAPP:0.3+HD:0 /EDU+EDU3 /BP1 /PLFR /IRIR+IRPP:TOR+IRVP:SET /EWMA /RSH3+RMT6+RWO+RWO1 /FC+FC2 /

Material type (direction 1): Concrete, reinforced	Material technology (direction 1): Cast-in-place concrete
Material properties (direction 1):	Material techonology (additional, direction 1):
Lateral load-resisting system (direction 1): Infilled frame	System ductility (direction 1): Ductility unknown
Material type (direction 2): Concrete, reinforced	Material technology (direction 2): Cast-in-place concrete
Material properties (direction 2):	Material techonology (additional, direction 2):
Lateral load-resisting system (direction 2): Infilled frame	System ductility (direction 2): Ductility unknown
Foundations: Unknown foundation system	Plan shape: Rectangular, solid
Type of Irregularity: Irregular structure	Building position within a block: One adjacent building
Plan structural irregularity - primary: Torsion eccentricity	Vertical structural irregularity - primary: No irregularity
Plan structural irregularity - secondary: Setback	Vertical structural irregularity - secondary: No irregularity
Roof shape: Pitched and hipped	Roof covering: Metal sheets
Roof system material: Wood	Roof system type: Wooden beams/trusses and purlins with light roof
Roof connections: Roof-wall diaphragm connection unknown	
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 constrution: Approximate date of construction or retrofit 1975	
Number of storeys above the ground: Exact number of storeys 3	Number of storeys below the ground: Exact number of storeys 0
Height of the grade above ground floor: Approximate height above grade 0.3	Slope of the ground (for buildings on slopes): Slope of the ground 0
Occupancy type - general: Education	Occupancy type - detail: College/university, offices and/or classrooms
Country: Romania	Region (province, state, etc.): Timisoara

Summary:

constructed inthe 1970's, an RC frame building with masonry infills.