

# GEM Building Taxonomy Report

Faculty of Civil Engineering, Politehnica Univ. of Timisoara  
Demeter I.



## Taxonomy string:

DX+PF /CR+CIP /LFM /DY+OF /CR+CIP /LFM /YAPP:1980 /HEX:6+HBEX:1+HFAPP:2+HD:0 /EDU+EDU3 /BPD /PLFR /IRIR+IRPP:TOR+IRVP:CHV /EWMA /RSH3+RMT1+RWO+RWO3+RTD99 /FC+FC2+FWCP /

### 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:

Unknown foundation system

### Type of Irregularity:

Irregular structure

### Plan structural irregularity - primary:

Torsion eccentricity

### Plan structural irregularity - secondary:

Change in vertical structure

### Roof shape:

Pitched and hipped

### Roof system material:

Wood

### Roof connections:

Roof tie-down unknown

### Floor system material:

Concrete

### Floor connections:

Floor-wall diaphragm connection present

### Exterior walls material:

Masonry

### Date of construction:

Approximate date of construction or retrofit 1980

### Number of storeys above the ground:

Exact number of storeys 6

### Height of the grade above ground floor:

Approximate height above grade 2

### Occupancy type - general:

Education

### Country:

Romania

### Summary:

### Material technology (direction 1):

Cast-in-place concrete

### Material technology (additional, direction 1):

### System ductility (direction 1):

Ductility unknown

### Material technology (direction 2):

Cast-in-place concrete

### Material technology (additional, direction 2):

### System ductility (direction 2):

Ductility unknown

### Plan shape:

Rectangular, solid

### Building position within a block:

Detached building

### Vertical structural irregularity - primary:

No irregularity

### Vertical structural irregularity - secondary:

No irregularity

### Roof covering:

Clay or concrete tile

### Roof system type:

Wood-based sheets on rafters or purlins

### Floor system type:

Cast-in-place beam-supported RC floor

### Number of storeys below the ground:

Exact number of storeys 1

### Slope of the ground (for buildings on slopes):

Slope of the ground 0

### Occupancy type - detail:

College/university, offices and/or classrooms

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

The main building of the Faculty of Civil Engineering. The structural system is made of cast-in-place concrete frames. The exterior walls are clad with clay brick veneer.