## **GEM Building Taxonomy Report**

Prefabricated metal construction of the Modern Movement Maria Bostenaru



Taxonomy string:

DX /S /LFM /DY /S /LFM /YEX:1929 /HEX:4+HBEX:1+HFAPP:3m+HD:0 /RES+RES2E /BPD /PLFR /IRRE /EWME /RSH1 /FME+FME3 /

Material type (direction 1): Steel		Material technology (direction 1): Steel, unknown
Material properties (direction 1): Unknown connection		Material techonology (additional, direction 1):
Lateral load-resisting system (direction 1): Moment frame		System ductility (direction 1): Ductility unknown
Material type (direction 2): Steel		Material technology (direction 2): Steel, unknown
Material properties (direction 2): Welded connections		Material techonology (additional, direction 2):
Lateral load-resisting system (direction 2): Moment frame		System ductility (direction 2): Ductility unknown
Foundations: Unknown foundation system		Plan shape: Rectangular, solid
Type of Irregularity: Regular structure		Building position within a block: Detached building
Plan structural irregularity - primary:		Vertical structural irregularity - primary:
Plan structural irregularity - secondary:		Vertical structural irregularity - secondary:
Roof shape: Flat		Roof covering: Unknown roof covering
Roof system material: Roof material, unknown		Roof system type:
Roof connections: Roof-wall diaphragm connection unknown		
Floor system material: Metal		Floor system type: Composite steel deck and concrete slab
Floor connections: Floor-wall diaphragm connection, unknown		
Exterior walls material: Metal		
Date of constrution: Exact date of construction or retrofit	1929	
Number of storeys above the ground: Exact number of storeys	4	Number of storeys below the ground: Exact number of storeys 1
Height of the grade above ground floor: Approximate grade height	3m	Slope of the ground (for buildings on slopes): Slope of the ground 0
Occupancy type - general: Residential		Occupancy type - detail: 20-49 Units
Country: Germany		Region: Europe
Observations:		

This urban housing construction was practiced for about 20 years during the early 1900s in Germany. Included in this report are blocks of flats. These buildings consist of a row of several individual, 20-meter-long units, each of which usually contains two apartments on each flood. The load-bearing system is iron skeleton with brick infill. Usually, the skeleton is made out of colums and beams, but dense column grids were