

GEM Building Taxonomy Report

reinforced masonry type 1.4

EMCA working group

Taxonomy string:

DX /MR+CLBRS+RCB+MOCL /LWAL+DNO /DY /MR+CLBRS+RCB+MOCL /LWAL+DNO /YBET:1948,1959 /HBET:1,3+HBEX:0+HFBET:0.3,0.8+HD:0
/RES+RES2D /BPD /PLFR /IRRE /EWMA /RSH3+RMT4+RWO+RWO3+RTDP /FW+FW3+FWCP /FOSSL

Material type (direction 1):

Masonry, reinforced

Material technology (direction 1):

Fired clay solid bricks

Material properties (direction 1):

Cement:lime mortar

Material technology (additional, direction 1):

Reinforced concrete bands

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Non-ductile

Material type (direction 2):

Masonry, reinforced

Material technology (direction 2):

Fired clay solid bricks

Material properties (direction 2):

Cement:lime mortar

Material technology (additional, direction 2):

Reinforced concrete bands

Lateral load-resisting system (direction 2):

Wall

System ductility (direction 2):

Non-ductile

Foundations:

Shallow foundation, with lateral capacity

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:

No irregularity

Roof shape:

Pitched and hipped

Roof covering:

Slate

Roof system material:

Wood

Roof system type:

Wood-based sheets on rafters or purlins

Roof connections:

Roof tie-down present

Floor system material:

Wood

Floor system type:

Wood-based sheets on joists or beams

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Masonry

Date of construction:

Bounds for the date of construction or retro 1948-1959

Number of storeys above the ground:

Range of the number of storeys 1-3

Number of storeys below the ground:

Exact number of storeys 0

Height of the grade above ground floor:

Range of height above grade 0.3-0.8

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

10-19 Units

Country:

Unknown

Region (province, state, etc.):

Central Asia

Summary:

Reinforcement not covered by GEM taxonomy.

Horizontal mesh every 50 and 70 cm depending on the seismic zone.