

# GEM Building Taxonomy Report

Tarque\_Masonry\_Confined

Nicola Tarque



## Taxonomy string:

DX+PF /MCF+CLBRS+MOC /LWAL+DUC /DY+OF /MCF+CLBRS+MOC /LWAL+DUC //HEX:1+HBEX:0+HFBET:2.2,2.5+HD: /RES+RES2B /BP1 /PLFRO /IRRE /EWMA /RSH1+RMN+RC+RC2+RWCP /FC+FWCN /FOSSL

### Material type (direction 1):

Masonry, confined

### Material properties (direction 1):

Cement mortar

### Lateral load-resisting system (direction 1):

Wall

### Material type (direction 2):

Masonry, confined

### Material properties (direction 2):

Cement mortar

### Lateral load-resisting system (direction 2):

Wall

### Foundations:

Shallow foundation, with lateral capacity

### Type of Irregularity:

Regular structure

### Plan structural irregularity - primary:

### Plan structural irregularity - secondary:

### Roof shape:

Flat

### Roof system material:

Concrete

### Roof connections:

Roof-wall diaphragm connection present

### Floor system material:

Concrete

### Floor connections:

Floor-wall diaphragm connection not provided

### Exterior walls material:

Masonry

### Date of construction:

Year unknown

### Number of storeys above the ground:

Exact number of storeys

1

### Height of the grade above ground floor:

Range of height above grade

2.2-2.5

### Occupancy type - general:

Residential

### Country:

Peru

### Summary:

### Material technology (direction 1):

Fired clay solid bricks

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

### System ductility (direction 1):

Ductile

### Material technology (direction 2):

Fired clay solid bricks

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

### System ductility (direction 2):

Ductile

### Plan shape:

Rectangular, with an opening

### Building position within a block:

One adjacent building

### Vertical structural irregularity - primary:

### Vertical structural irregularity - secondary:

### Roof covering:

Concrete roof, no covering

### Roof system type:

Cast-in-place beam-supported RC roof

### Floor system type:

Concrete, unknown

### Number of storeys below the ground:

Exact number of storeys

0

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

Slope of the ground

### Occupancy type - detail:

3-4 Units

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

Lima

Economical confined masonry building placed at the sub-urban areas of Lima. Look at the steel reinforcement left above for a second floor (overlapping)