

GEM Building Taxonomy Report

Tunnel Form Residential Building

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Taxonomy string:

DX // /DY /CR+CIP /LWAL+DUC /YEX:1992-1993 /HEX:6+HBEX:0+HFEX:17.28+HD:0 /RES+RES1 /BPD /PLFR /IRRE /EWC /RSH1+RMN+RC+RC1+RWCP /FC+FC1+FWCP /FOSN

Material type (direction 1):

Unknown Material

Material properties (direction 1):

Lateral load-resisting system (direction 1):

Unknown lateral load-resisting system

Material type (direction 2):

Concrete, reinforced

Material properties (direction 2):

Lateral load-resisting system (direction 2):

Wall

Foundations:

Shallow foundation, with no 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 present

Exterior walls material:

Concrete

Date of construction:

Exact date of construction or retrofit 1992-1993

Number of storeys above the ground:

Exact number of storeys 6

Height of the grade above ground floor:

Exact height above grade 17.28

Occupancy type - general:

Residential

Country:

Algeria

Summary:

Material technology (direction 1):

Material technology (additional, direction 1):

System ductility (direction 1):

Material technology (direction 2):

Cast-in-place concrete

Material technology (additional, direction 2):

System ductility (direction 2):

Ductile

Plan shape:

Rectangular, solid

Building position within a block:

Detached building

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:

Concrete roof, no covering

Roof system type:

Cast-in-place beamless RC roof

Floor system type:

Cast-in-place beamless RC floor

Number of storeys below the ground:

Exact number of storeys 0

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - detail:

Single dwelling

Region (province, state, etc.):

Algiers

The building system is a "tunnel form" which can be found in many regions of Algeria. The height of this tunnel form system varies from 4 to 10 stories