

GEM Building Taxonomy Report

precast concrete large panel buildings with monolithic panel joints

Saidiy , Bayramov, Utashev



Taxonomy string:

DX+PF /CR+PC /LWAL+DUC /DY+OF /CR+PC /LWAL+DUC /YEX:1980 /HEX:9+HBEX:1+HFEX:3 /RES+RES2A /BP1 /PLFRO /IRRE /EWC
/RSH1+RMT3+RFA /FC+FC4+FWCP /FOSDN

Material type (direction 1):

Concrete, reinforced

Material properties (direction 1):

Lateral load-resisting system (direction 1):

Wall

Material type (direction 2):

Concrete, reinforced

Material properties (direction 2):

Lateral load-resisting system (direction 2):

Wall

Foundations:

Deep foundation, with no lateral capacity

Type of Irregularity:

Regular structure

Plan structural irregularity - primary:

Plan structural irregularity - secondary:

Roof shape:

Flat

Roof system material:

Fabric

Roof connections:

Roof-wall diaphragm connection unknown

Floor system material:

Concrete

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Concrete

Date of construction:

Exact date of construction or retrofit 1980

Number of storeys above the ground:

Exact number of storeys 9

Height of the grade above ground floor:

Exact height above grade 3

Occupancy type - general:

Residential

Country:

Unknown Uzbekistan/Turkmanistan

Summary:

Material technology (direction 1):

Precast concrete

Material technology (additional, direction 1):

System ductility (direction 1):

Ductile

Material technology (direction 2):

Precast concrete

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:

Membrane roofing

Roof system type:

inflatable or tensile membrane roof

Floor system type:

Precast concrete floor without RC topping

Number of storeys below the ground:

Exact number of storeys 1

Slope of the ground (for buildings on slopes):

Unknown slope

Occupancy type - detail:

2 Units (Duplex)

Region (province, state, etc.):

Tashkent, Ashgabad

A typical residential building