

GEM Building Taxonomy Report

Semi-Detached Residential Dwelling

Simpson S

Picture not available

Taxonomy string:

DX+PF /MCF+CLBRH+MOC /LWAL+DNO /DY+OF /MCF+CLBRH+MOC /LWAL+DNO /YEX:1985 /HEX:3+HBEX:0+HFEX:7.5+HD:flat /RES+RES1 /BP1 /PLFRO /IRRE /EWMA /RSH5+RMT1+RWO+RWO1+RTDP /FC+FC2+FWCP /FOSO

Material type (direction 1):

Masonry, confined

Material technology (direction 1):

Fired clay hollow bricks

Material properties (direction 1):

Cement mortar

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Non-ductile

Material type (direction 2):

Masonry, confined

Material technology (direction 2):

Fired clay hollow bricks

Material properties (direction 2):

Cement mortar

Material technology (additional, direction 2):

Lateral load-resisting system (direction 2):

Wall

System ductility (direction 2):

Non-ductile

Foundations:

Foundation, other

Plan shape:

Rectangular, with an opening

Type of Irregularity:

Regular structure

Building position within a block:

One adjacent building

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Vertical structural irregularity - secondary:

Roof shape:

Monopitch

Roof covering:

Clay or concrete tile

Roof system material:

Wood

Roof system type:

Wooden beams/trusses and purlins with light roof

Roof connections:

Roof tie-down present

Floor system material:

Concrete

Floor system type:

Cast-in-place beam-supported RC floor

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Masonry

Date of construction:

Exact date of construction or retrofit 1985

Number of storeys above the ground:

Exact number of storeys 3

Number of storeys below the ground:

Exact number of storeys 0

Height of the grade above ground floor:

Exact height above grade 7.5

Slope of the ground (for buildings on slopes):

Slope of the ground flat

Occupancy type - general:

Residential

Occupancy type - detail:

Single dwelling

Country:

Singapore

Region (province, state, etc.):

Singapore

Summary:

Typical Residential Landed Property in Singapore, concrete framed building, beams, columns, 150 thick floor slabs at ground and first, stability os masonry panels set into beams and columns, externally rendered. Foundation is shallow strip footings cast onto Macau Piles (timber piles).