GEM Building Taxonomy Report

Braced wooden frame infilled with adobe units

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Taxonomy string:

DX /MR+ADO+RW+MOM /LWAL+DNO /DY /MR+ADO+RW+MOM /LWAL+DNO /YEX:1900 /HBET:1,2 /RES+RES1 / /PLFR /IRRE /EWO /RSH2+RMT6+RWO+RWCP /FW+FW1+FWCP /FOSN

Material type (direction 1):

Masonry, reinforced

Material properties (direction 1):

Mud mortar

Lateral load-resisting system (direction 1):

Wall

Material type (direction 2):

Masonry, reinforced

Material properties (direction 2):

Mud mortar

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:

Pitched with gable ends

Roof system material:

Wood

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

Wood

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Material of exterior wall, other

Date of constrution:

Exact date of construction or retrofit 1900

Number of storeys above the ground:

Range of the number of storeys

Height of the grade above ground floor: Height above grade unknown

Occupancy type - general:

Residential

Country: Chile

Summary:

Material technology (direction 1):

Adobe blocks

Material techonology (additional, direction 1):

Wood-reinforced

System ductility (direction 1):

Non-ductile

Material technology (direction 2):

Adobe blocks

Material techonology (additional, direction 2):

Wood-reinforced

System ductility (direction 2):

Non-ductile

Plan shape:

Rectangular, solid

Building position within a block:

Unknown building position

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:

Metal sheets

Roof system type:

Wood, unknown

Floor system type:

Wood beams/trusses & joists supporting light flooring

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Number of storeys below the ground:

Unknown number of storeys

Slope of the ground (for buildings on slopes):

Unknown slope

Occupancy type - detail:

Single dwelling

Region (province, state, etc.):

Central Region

This housing type is made of panels constructed with a timber-braced frame infilled with adobe units. The timber joints are nailed and adobe units have mud mortar in between. In addition, steel wires are nailed to the wooden elements and the walls are covered with cement or earth plaster. The facade and the interior walls are the same.

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