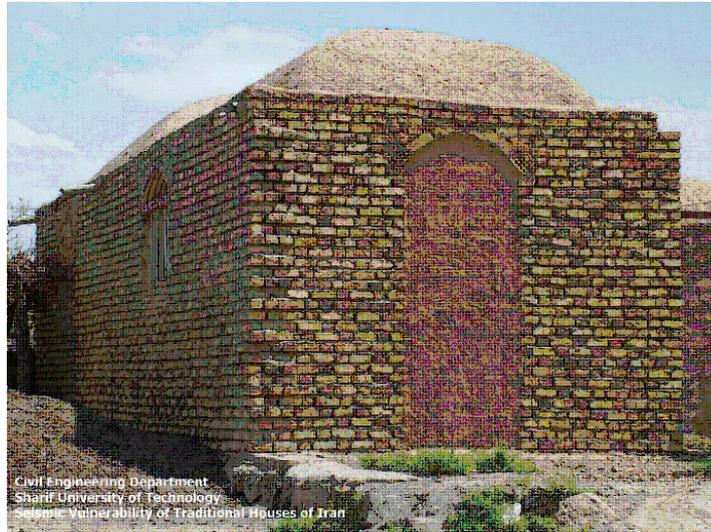# GEM Building Taxonomy Report

Masonry with Arched Roof

M. Yekrangnia and A.S. Moghadam

Taxonomy string:

DX /MUR+CLBRS+MOC /LN /DY /MUR+CLBRS+MOC /LN /YAPP:1980's /HEX:1+HBEX:0+HFBET:2.0,2.8+HD:0 /RES /BPI /PLFR / /EWMA /RSH7+RMT1+RM+RM1 /FN /FOSN

Material type (direction 1):
  Masonry, unreinforced

Material properties (direction 1):
  Cement mortar

Lateral load-resisting system (direction 1):
  No lateral load-resisting system

Material type (direction 2):
  Masonry, unreinforced

Material properties (direction 2):
  Cement mortar

Lateral load-resisting system (direction 2):
  No lateral load-resisting system

Foundations:
  Shallow foundation, with no lateral capacity

Type of Irregularity:
  Unknown structural irregularity

Plan structural irregularity - primary:

Plan structural irregularity - secondary:

Roof shape:
  Curved

Roof system material:
  Masonry

Roof connections:
  Roof-wall diaphragm connection unknown

Floor system material:
  No elevated or suspended floor material (single-storey

Floor connections:
  Floor-wall diaphragm connection, unknown

Exterior walls material:
  Masonry

Date of constrution:
  Approximate date of construction or retrofit   1980's

Number of storeys above the ground:
  Exact number of storeys   1

Height of the grade above ground floor:
  Range of height above grade   2.0-2.8

Occupancy type - general:
  Residential

Country:
  Iran

Summary:

Material technology (direction 1):
  Fired clay solid bricks

Material techonology (additional, direction 1):

System ductility (direction 1):

Material technology (direction 2):
  Fired clay solid bricks

Material techonology (additional, direction 2):

System ductility (direction 2):

Plan shape:
  Rectangular, solid

Building position within a block:
  Interior of block

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:
  Clay or concrete tile

Roof system type:
  Vaulted masonry

Floor system type:

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:
  Residential, unknown type

Region (province, state, etc.):
  Tehran