

# GEM Building Taxonomy Report

Smolka\_woodframe.pdf

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Picture not available

## Taxonomy string:

DX /W+WS / /DY /W+WS / /YEX:1996 /HEX:3+HBEX:1+HFEX:11+HD:5 /RES+RES1 /BPD /PLFR /IRIR+IRPP:REC+IRVP:SET /EWCB /RSH2+RMT1+RWO+RWO4 /FW+FW1 /FOSSL

Material type (direction 1):

Wood

Material properties (direction 1):

Lateral load-resisting system (direction 1):

Unknown lateral load-resisting system

Material type (direction 2):

Wood

Material properties (direction 2):

Lateral load-resisting system (direction 2):

Unknown lateral load-resisting system

Foundations:

Shallow foundation, with lateral capacity

Type of Irregularity:

Irregular structure

Plan structural irregularity - primary:

Re-entrant corner

Plan structural irregularity - secondary:

Setback

Roof shape:

Pitched with gable ends

Roof system material:

Wood

Roof connections:

Roof-wall diaphragm connection unknown

Floor system material:

Wood

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Cement-based boards

Date of construction:

Exact date of construction or retrofit 1996

Number of storeys above the ground:

Exact number of storeys 3

Height of the grade above ground floor:

Exact height above grade 11

Occupancy type - general:

Residential

Country:

Germany

Summary:

Material technology (direction 1):

Solid wood

Material technology (additional, direction 1):

System ductility (direction 1):

Material technology (direction 2):

Solid wood

Material technology (additional, direction 2):

System ductility (direction 2):

Plan shape:

Rectangular, solid

Building position within a block:

Detached building

Vertical structural irregularity - primary:

No irregularity

Vertical structural irregularity - secondary:

No irregularity

Roof covering:

Clay or concrete tile

Roof system type:

Plywood panels or other light-weight panels for roof

Floor system type:

Wood beams/trusses & joists supporting light flooring

Number of storeys below the ground:

Exact number of storeys 1

Slope of the ground (for buildings on slopes):

Slope of the ground 5

Occupancy type - detail:

Single dwelling

Region (province, state, etc.):

Bavaria

Maybe 10% of detached residential buildings constructed this way