

GEM Building Taxonomy Report

Fountains Business Park, Bldg. 3, 42550 Albrae St., Fremont, CA
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Taxonomy string:

DX /CR+PC /LWAL+DNO /DY /CR+PC /LWAL+DNO /YAPP:1986 /HEX:1+HBEX:0+HFEX:0+HD:0 /COM+COM2 /BPD /PLFB
/IRIR+IRPP:TOR+IRVP:POP+IRVS:IRVO /EWC /RSH8+RMT3+RWO+RWO4+RWCP /FC+FC1+FWCN /FOSN

Material type (direction 1):

Concrete, reinforced

Material technology (direction 1):

Precast concrete

Material properties (direction 1):

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Non-ductile

Material type (direction 2):

Concrete, reinforced

Material technology (direction 2):

Precast concrete

Material properties (direction 2):

Material technology (additional, direction 2):

Lateral load-resisting system (direction 2):

Wall

System ductility (direction 2):

Non-ductile

Foundations:

Shallow foundation, with no lateral capacity

Plan shape:

B-shape

Type of Irregularity:

Irregular structure

Building position within a block:

Detached building

Plan structural irregularity - primary:

Torsion eccentricity

Vertical structural irregularity - primary:

No irregularity

Plan structural irregularity - secondary:

Pounding potential

Vertical structural irregularity - secondary:

Other vertical irregularity

Roof shape:

Complex regular

Roof covering:

Membrane roofing

Roof system material:

Wood

Roof system type:

Plywood panels or other light-weight panels for roof

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

Concrete

Floor system type:

Cast-in-place beamless RC floor

Floor connections:

Floor-wall diaphragm connection not provided

Exterior walls material:

Concrete

Date of construction:

Approximate date of construction or retrofit 1986

Number of storeys above the ground:

Exact number of storeys 1

Number of storeys below the ground:

Exact number of storeys 0

Height of the grade above ground floor:

Exact height above grade 0

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Commercial and public

Occupancy type - detail:

Wholesale trade and storage (warehouse)

Country:

United States

Region (province, state, etc.):

California

Summary:

Typ. "Tilt-Up Bldg". Warehouse w/ some office spa. Conc. walls cast horiz. @ constr. site, then 'tilted' into final vert. position. Walls connect to one another w/ small steel PL; to fndn w/ "dowel-type" conn.s. Roof attach to walls via ledger beams. Connectors difficult to detail for adequate ductility, & inadequate inspection during construction. Best way to control performance is retrofit of roof-to-wall connections.