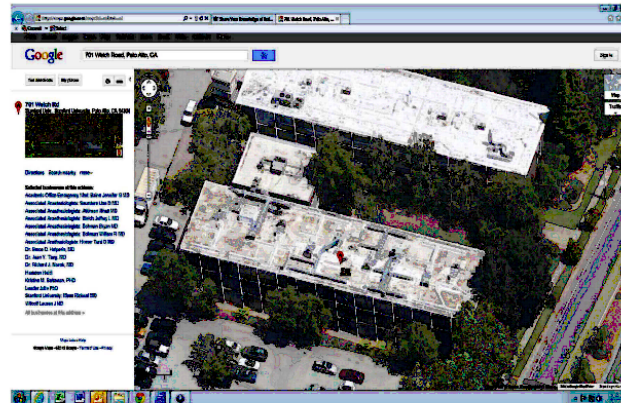


GEM Building Taxonomy Report

701 Welch Road, Palo Alto CA

Lauren Doyel, PE, GE



Taxonomy string:

DX+PF /S+SL+WEL /LFBR /DY+OF /S+SL+WEL /LFBR /YEX:1990 /HEX:3+HBEX:0+HFBET:25,30+HD:0 /MIX+MIX3 /BPD /PLFRO /IRRE /EWG /RSH1+RMT3 /FC /FOSSL

Material type (direction 1):

Steel

Material properties (direction 1):

Welded connections

Lateral load-resisting system (direction 1):

Braced frame

Material type (direction 2):

Steel

Material properties (direction 2):

Riveted connections

Lateral load-resisting system (direction 2):

Braced frame

Foundations:

Shallow foundation, with lateral capacity

Type of Irregularity:

Regular structure

Plan structural irregularity - primary:

Plan structural irregularity - secondary:

Roof shape:

Flat

Roof system material:

Roof material, unknown

Roof connections:

Roof-wall diaphragm connection unknown

Floor system material:

Concrete

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Glass

Date of construction:

Exact date of construction or retrofit 1990

Number of storeys above the ground:

Exact number of storeys 3

Height of the grade above ground floor:

Range of height above grade 25-30

Occupancy type - general:

Mixed use

Country:

United States

Summary:

Material technology (direction 1):

Cold-formed steel members

Material technology (additional, direction 1):

System ductility (direction 1):

Ductility unknown

Material technology (direction 2):

Cold-formed steel members

Material technology (additional, direction 2):

System ductility (direction 2):

Ductility unknown

Plan shape:

Rectangular, with an opening

Building position within a block:

Detached building

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:

Membrane roofing

Roof system type:

Floor system type:

Concrete, unknown

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:

Mostly commercial and industrial

Region (province, state, etc.):

California

Typical California 1960's style commercial architecture, glass walls along long exterior, with steel frames open orthogonal to glass. After Loma Prieta EQ, lateral X bracing installed all three stories on exterior.