

GEM Building Taxonomy Report

Commercial/Industrial building

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Taxonomy string:

DX+PF /S+SR+WEL /LFBR+DBD /DY+OF /S+SR /LFBR+DUC /YEX:2012 /HEX:2+HBEX:0+HFBET:6,12+HD:1 /COM+COM2 /BPD /PLFR /IRRE /EWME /RSH5+RMT3+RME+RME1+RWCP /FME+FME3+FWCP /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):

Welded 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:

Monopitch

Roof system material:

Metal

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

Metal

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Metal

Date of construction:

Exact date of construction or retrofit 2012

Number of storeys above the ground:

Exact number of storeys 2

Height of the grade above ground floor:

Range of height above grade 6-12

Occupancy type - general:

Commercial and public

Country:

United States

Summary:

Material technology (direction 1):

Hot-rolled steel members

Material technology (additional, direction 1):

System ductility (direction 1):

Equipped with energy dissipation devices

Material technology (direction 2):

Hot-rolled steel members

Material technology (additional, direction 2):

System ductility (direction 2):

Ductile

Plan shape:

Rectangular, solid

Building position within a block:

Detached building

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:

Membrane roofing

Roof system type:

Metal beams or trusses supporting light roofing

Floor system type:

Composite steel deck and concrete slab

Number of storeys below the ground:

Exact number of storeys 0

Slope of the ground (for buildings on slopes):

Slope of the ground 1

Occupancy type - detail:

Wholesale trade and storage (warehouse)

Region (province, state, etc.):

Washington

Typical free-standing commercial/industrial building