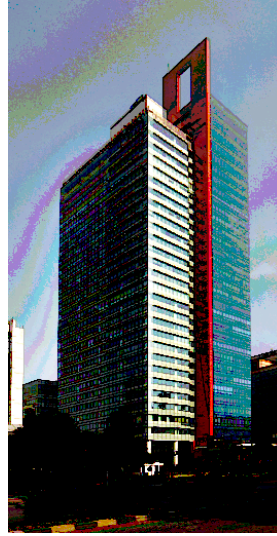


GEM Building Taxonomy Report

Strata-Title Office Building - Jakarta

Sugeng Wijanto



Taxonomy string:

DX+PF /CR+CIP /LDUAL+DUC /DY+OF /CR+CIP /LDUAL+DUC /YEX:2004-2006 /HEX:34+HBEX:3+HFEX:130+HD:Flat /COM+COM3 /BPI /PLFR /IRRE /EWG /RSH1+RMN+RC+RC2+RWCP /FC+FC2+FWCP /FOSDL

Material type (direction 1):

Concrete, reinforced

Material properties (direction 1):

Lateral load-resisting system (direction 1):

Dual frame-wall system

Material type (direction 2):

Concrete, reinforced

Material properties (direction 2):

Lateral load-resisting system (direction 2):

Dual frame-wall system

Foundations:

Deep foundation, with lateral capacity

Type of Irregularity:

Regular structure

Plan structural irregularity - primary:

Plan structural irregularity - secondary:

Roof shape:

Flat

Roof system material:

Concrete

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

Concrete

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Glass

Date of construction:

Exact date of construction or retrofit 2004-2006

Number of storeys above the ground:

Exact number of storeys 34

Height of the grade above ground floor:

Exact height above grade 130

Occupancy type - general:

Commercial and public

Country:

Indonesia

Summary:

Material technology (direction 1):

Cast-in-place concrete

Material technology (additional, direction 1):

System ductility (direction 1):

Ductile

Material technology (direction 2):

Cast-in-place concrete

Material technology (additional, direction 2):

System ductility (direction 2):

Ductile

Plan shape:

Rectangular, solid

Building position within a block:

Interior of block

Vertical structural irregularity - primary:

Vertical structural irregularity - secondary:

Roof covering:

Concrete roof, no covering

Roof system type:

Cast-in-place beam-supported RC roof

Floor system type:

Cast-in-place beam-supported RC floor

Number of storeys below the ground:

Exact number of storeys 3

Slope of the ground (for buildings on slopes):

Slope of the ground Flat

Occupancy type - detail:

Offices, professional/technical services

Region (province, state, etc.):

Jakarta

This building was designed based on Indonesia seismic code, SNI 03-1726-2002, located in seismic zone 3, soft soil condition with peak ground acceleration of 0.15g for 500 years return period. Total gross floor area is ± 46,854 m². Bored piles 800 - 1000 mm diameters were used with the effective depth length is 22 m. Structural material: concrete grade 35-45 MPa and deformed steel grade 400 MPa.