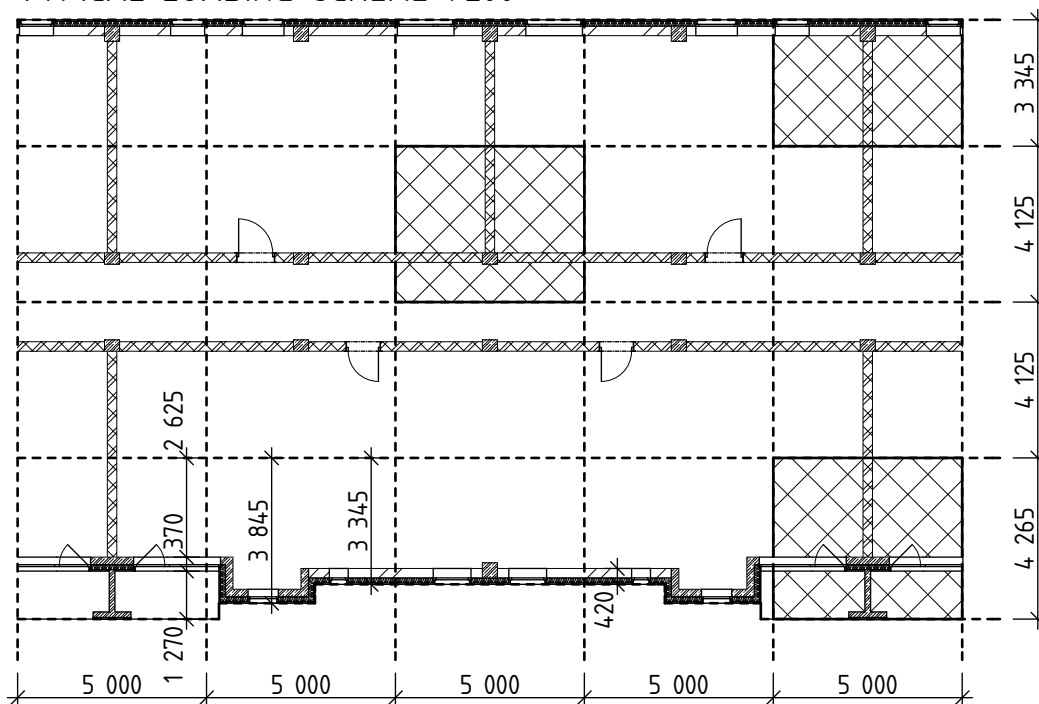


## TYPICAL LOADING SCHEME 1:200



## INTERNAL COLUMN LOADING

Floor:  $g_k = 8,532 \text{ kN/m}^2$ ;  $q_k = 2,041 \text{ kN/m}^2$   
 $G_k = 175,964 \text{ kN}$ ;  $Q_k = 35,878 \text{ kN}$ ;  $F_d = 291,369 \text{ kN}$

Roof:  $g_k = 9,906 \text{ kN/m}^2$ ;  $q_k = 4,200 \text{ kN/m}^2$   
 $G_k = 204,311 \text{ kN}$ ;  $Q_k = 82,500 \text{ kN}$ ;  $F_d = 399,570 \text{ kN}$

Column:  $F_d = 45,762 \text{ kN}$

Internal wall:  $F_d = 283,695 \text{ kN}$

TOTAL:  $F_d = 1311,765 \text{ kN}$

## PERIMETER COLUMN LOADING

Floor:  $g_k = 8,532 \text{ kN/m}^2$ ;  $q_k = 1,500 \text{ kN/m}^2$   
 $G_k = 142,691 \text{ kN}$ ;  $Q_k = 20,824 \text{ kN}$ ;  $F_d = 223,868 \text{ kN}$

Roof:  $g_k = 9,966 \text{ kN/m}^2$ ;  $q_k = 4,200 \text{ kN/m}^2$   
 $G_k = 166,861 \text{ kN}$ ;  $Q_k = 58,500 \text{ kN}$ ;  $F_d = 312,770 \text{ kN}$

Column:  $F_d = 61,016 \text{ kN}$

External wall:  $F_d = 269,005 \text{ kN}$

Attic:  $F_d = 18,225 \text{ kN}$

Facade:  $F_d = 9,669 \text{ kN}$

TOTAL:  $F_d = 1118,422 \text{ kN}$

## CONCRETE WALL LOADING

Floor:  $g_k = 8,532 \text{ kN/m}^2$ ;  $q_k = 1,500 \text{ kN/m}^2$   
 $G_k = 127,761 \text{ kN}$ ;  $Q_k = 18,703 \text{ kN}$ ;  $F_d = 200,532 \text{ kN}$

Roof:  $g_k = 9,966 \text{ kN/m}^2$ ;  $q_k = 4,200 \text{ kN/m}^2$   
 $G_k = 191,596 \text{ kN}$ ;  $Q_k = 69,500 \text{ kN}$ ;  $F_d = 362,905 \text{ kN}$

Balcony:  $g_k = 4,860 \text{ kN/m}^2$ ;  $q_k = 2,500 \text{ kN/m}^2$   
 $G_k = 29,160 \text{ kN}$ ;  $Q_k = 15,000 \text{ kN}$ ;  $F_d = 61,866 \text{ kN}$

Column:  $F_d = 61,016 \text{ kN}$

Ext. & int. wall:  $F_d = 432,130 \text{ kN}$

Attic:  $F_d = 18,225 \text{ kN}$

Facade:  $F_d = 6,769 \text{ kN}$

TOTAL:  $F_d = 1405,840 \text{ kN}$