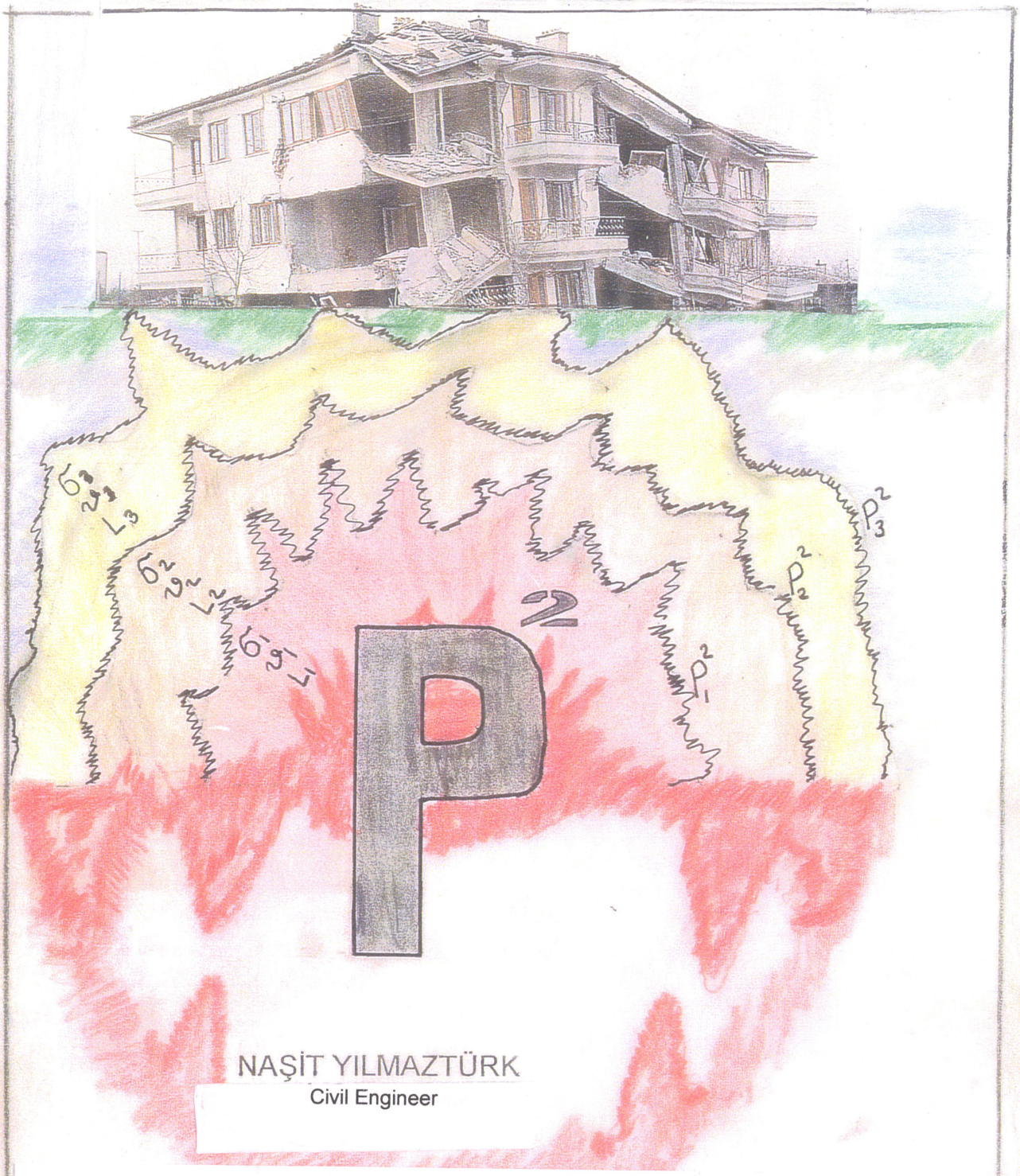


NAŞİT YILMAZTÜRK
Civil Engineer

Motional force on Earthquake and force against to Earthquake

The Target of This Project :

With this project and the studies ,p^2, it is targeted to be at service of the mankind and the sector and also to enable the countries ,where these projects are applied, to supply their citizens with high-tech and modern services.

NAŞİT YILMAZTÜRK
Civil Engineer

(p^2)

Section 1 :

The project is planned using central computer technology in order to supply the mankind with a safe, well-planned and clear service in minimized periods while ensuring the constructions during the urbanization to be vigorous, systematic, inexpensive , well-organized and based on the latest technologies.

NAŞİT YILMAZTÜRK

Civil Engineer

(p^2)

Section 2 :

The equations detailed here was prepared in order to minimize the material losses and to save more lives and contains calculations to serve to the mankind for other issues.

NAŞİT YILMAZTÜRK

Civil Engineer

(p^2)

Section 3 :

The samples given in this section shows that the equation detailed here will guarantee an easier and faster result in greater calculations.

NAŞİT YILMAZTÜRK

Civil Engineer

E

(p^2)

Section 4 :

It is foreseen that the equation shown here shall correct some of the physical and astronomical mistakes. Its activities, effectiveness and the proofs were made.

Nisan 1999

NAŞİT YILMAZTÜRK
Civil Engineer

I would like to thank to T.Ü.B.İ.T.A.K. and its executive president for the evaluation and the approval of this project and also for the permission in registration of my studies with the Institution of Patent and Intellectual rights.

Best regards,
NAŞİT YILMAZTÜRK

SYMBOLS		DESCRIPTION
A	=	Area
Bç	=	Concrete group
σ	=	Material selection
P	=	Force
L	=	Distance
E	=	Elasticity module
i	=	Moment of inertia
δ	=	Displacement
q	=	Load
N	=	Column load
M	=	Moment
Mt	=	Buckling moment
T	=	Cutting force
τ	=	Displacement force
W	=	Resistance moment
Wi	=	Force per flat
K	=	Compaction coefficient
V	=	Sink
Rv	=	Rotation redor
e	=	Eccentricity
tg∅	=	Angle
R	=	Redor
D	=	Rigidity mode
δr	=	Relative displacement
F	=	Horizontal force
v	=	Speed
Σ	=	Total sum
h	=	Height
Q	=	Floor Cutting force
S	=	Column
G	=	Weight
t	=	Time
f	=	Frequency
a	=	Acceleration
g	=	Gravity

CONTENTS

Section 1

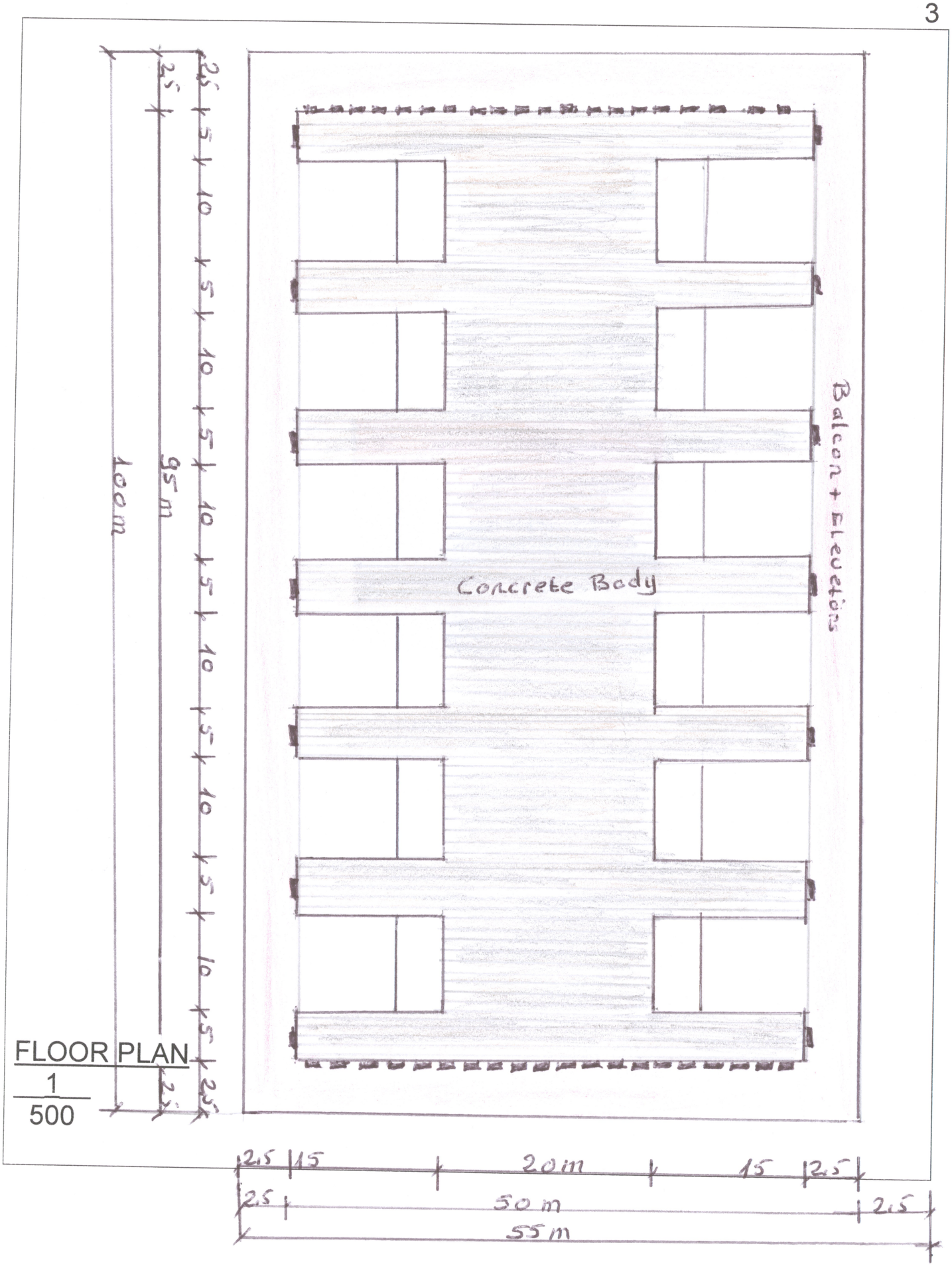
TAIL BUILDINGS IN URBANIZATION AND HABITATION

Project : 330 floors

Application : 200 floors

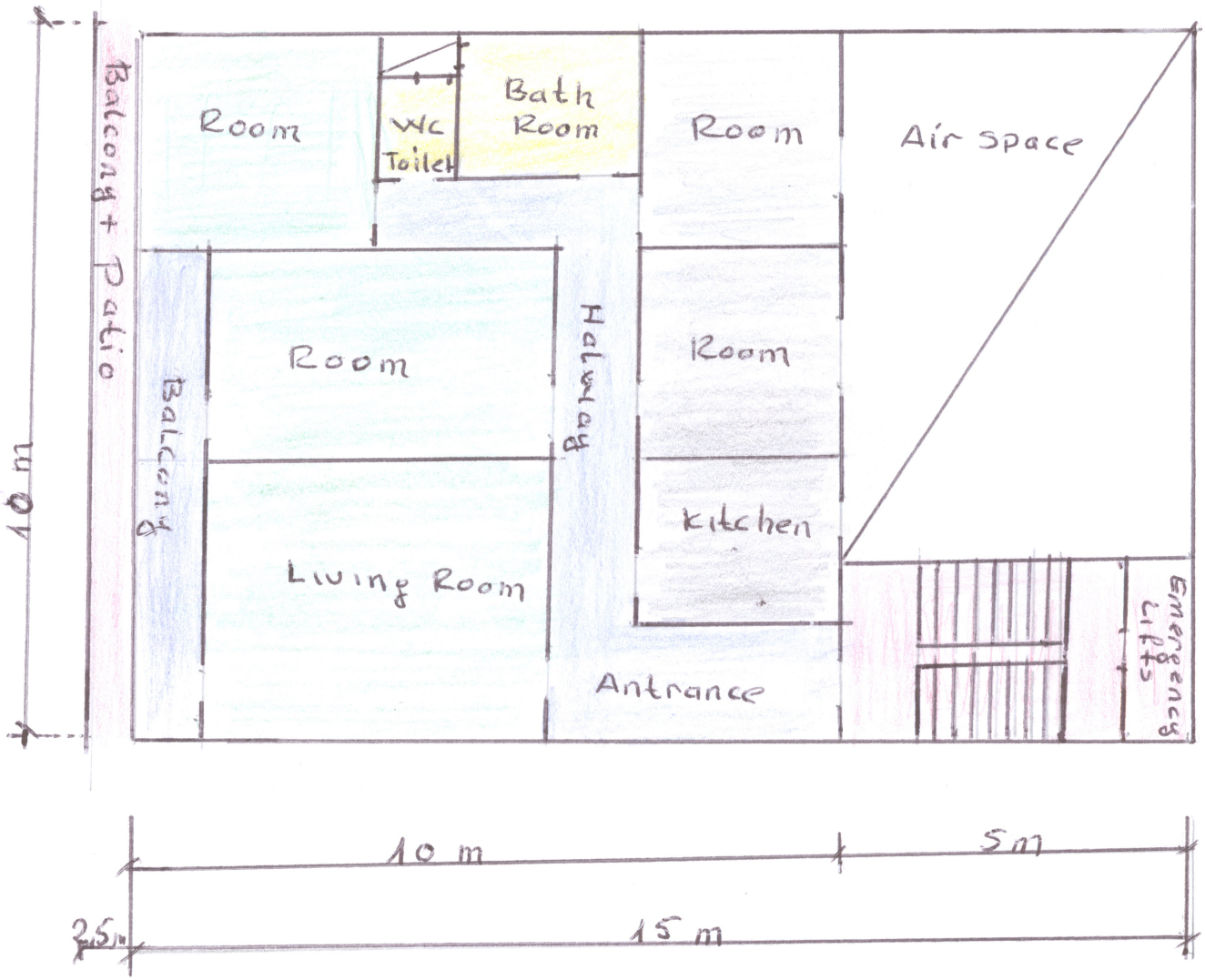
Bs:60-16

st:57

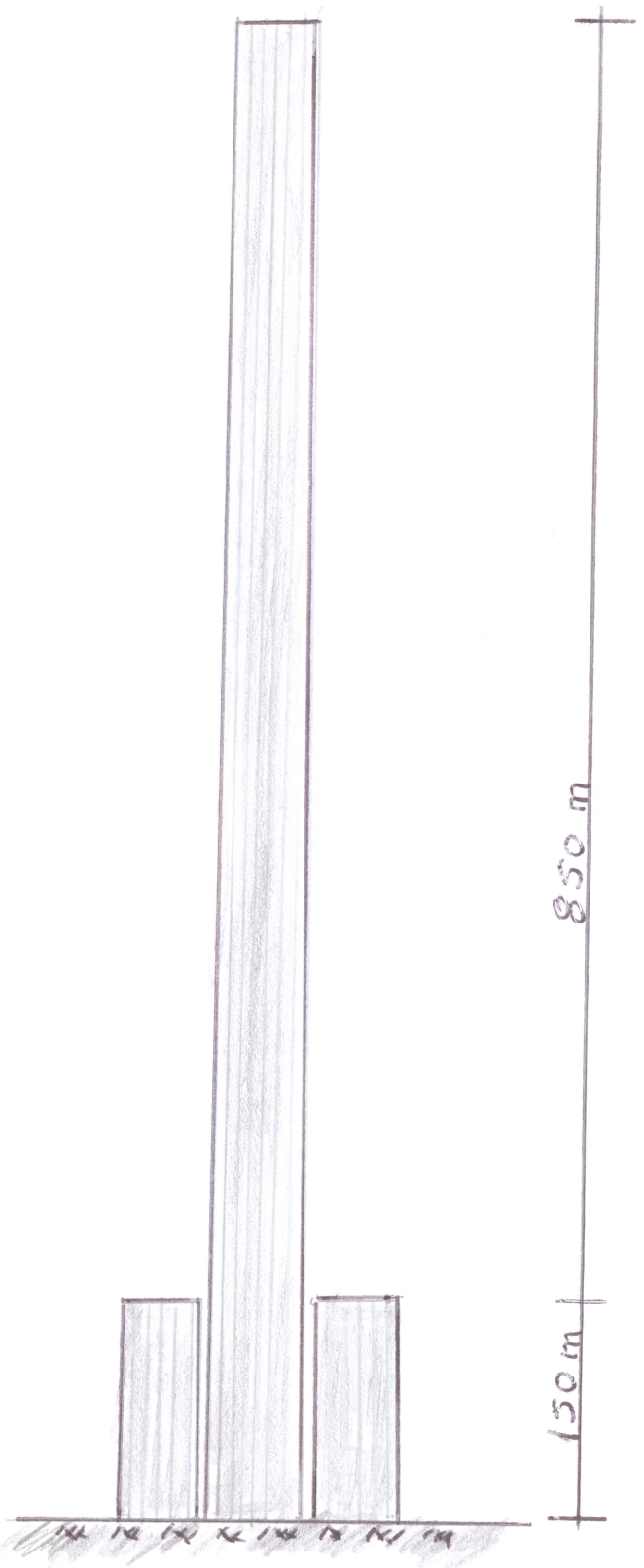


FLOOR PLAN

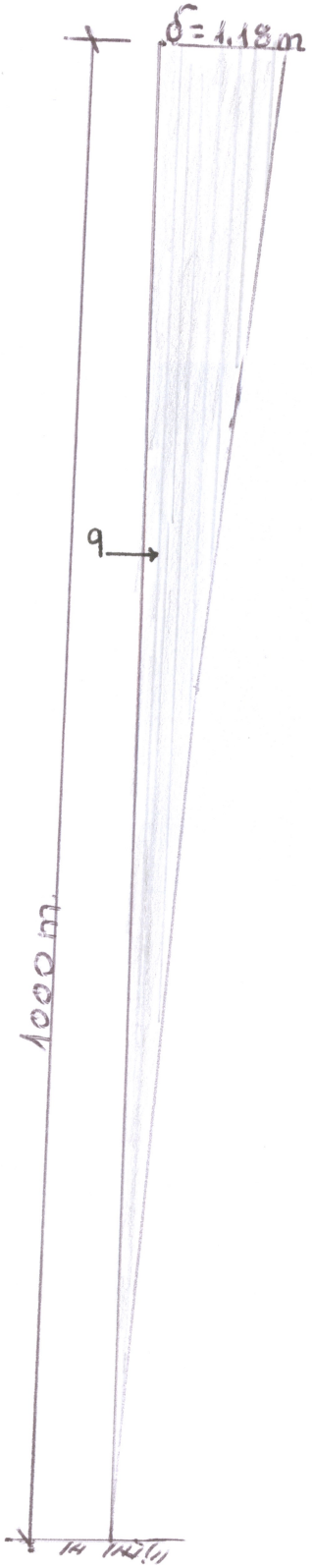
1/500



PLAN OF A FLAT 1/100



VERTICAL VIEW 1/5000



Vertical Load

b= 100x100x1000x2.4=2400<6000 t/m^2

Horizontal Displacement

$\delta = qL^4/8EJ$ max

$J = \Sigma J + a^2 . F$

$E = 2.10^6$

$J = 404597\ m^4$

$\delta = 8x1000^4/8x2.10^6x404567$

$\delta = 1.18\ m < L / 300$

Load capacity, max (q) = ?

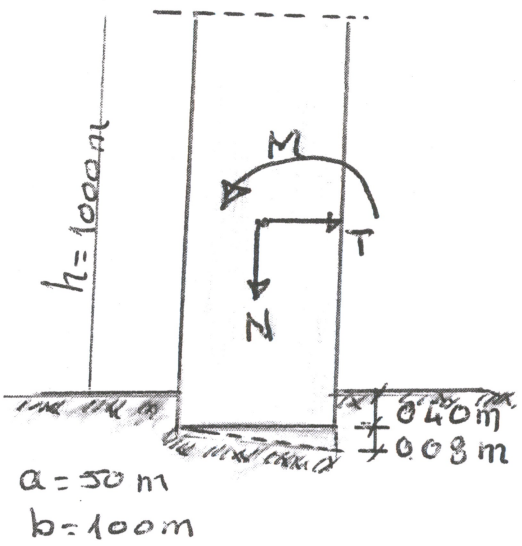
e / 300 = 1000 / 300 = 3 m

$q = \delta \times 8\ EJ / L^4$

$q = 3x8x404567x2.\ 2.10^6/1000^4$

$q = 20\ t/m$

CALCULATIONS FOR THE ROTARY & SINKING REDORS



N	=	7320000 t.
M	=	4.000.000 tm
T	=	8000 t
q	=	2400 t/m^2
J	=	404597 m^4
W	=	9292 m^3
K	=	6000 t/ m^3

Max. moment-resistance capacity of the cross-section

σ = M / W ; 2400 = M / 9292

M=22312 800 tm > 4.000.000 tm

Max. Horizontal force capacity of the cross-section

τ= T/a x b ; 60=T / 3050

T=183 000 t. >8000 t

SINKING CALCULATIONS

V=q / K ; 2400/6000=040 m

Rv= N/V ; 7320 000 /040 = 18300 000=

fxK = 3050x6000=18300000 tm

ROTARY REDOR CALCULATIONS

$tg\varnothing = M/K.J$; 4.000.000 /6000 x 404597

$tg\varnothing$ = 4.000.000/2427582000 = 0.00165

$R = M/\varnothing$ = 4.000.000/0.00165 =2424242424

KxJ = 6000 x 404597 = 2427582000

ECCENTRICITY

e = M/N =4.000.000/432.000 = 0,546 m

References :

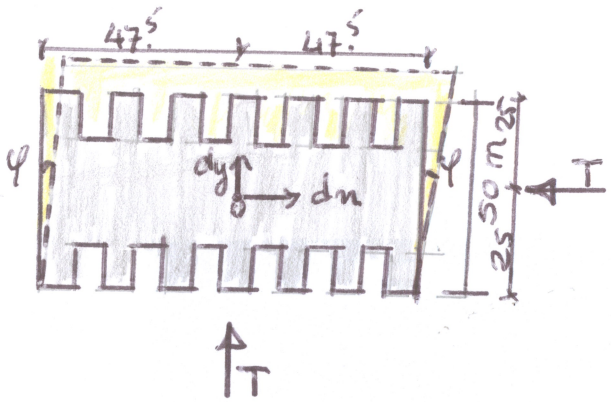
Prof. Dr. Aytaç MERTOL

BUCKLING CALCULATIONS Y-Y

Jy= 404597 m^4

h= 1000 m

T= 8000 t



Dy = 12 Ej / h^2x Ď ; Ď = j / h = 404597 / 1000 = 404.597

Dy = 12 x 2100000 x 404597 / 1000^2 x 404.597 = 4125208067

DØ = X^2 x Dy = $47,5^2$ x 4125208067 = 9307500678000

δ = T / Dy = 8000 / 4125208067 = 0.00000194

Mt = T x Y = 8000 x 25 = 200 000 tm

∅ = Mt / DØ = 200 000 / 9307500678000

∅ = 0.0000000214

References :

Prof. Dr. ADNAN ÇAKIROĞLU

Prof. Dr. GÜNAY ÖZMEN

Prof. Dr. ERKAN ÖZER

RELATIVE DISPLACEMENT CALCULATIONS

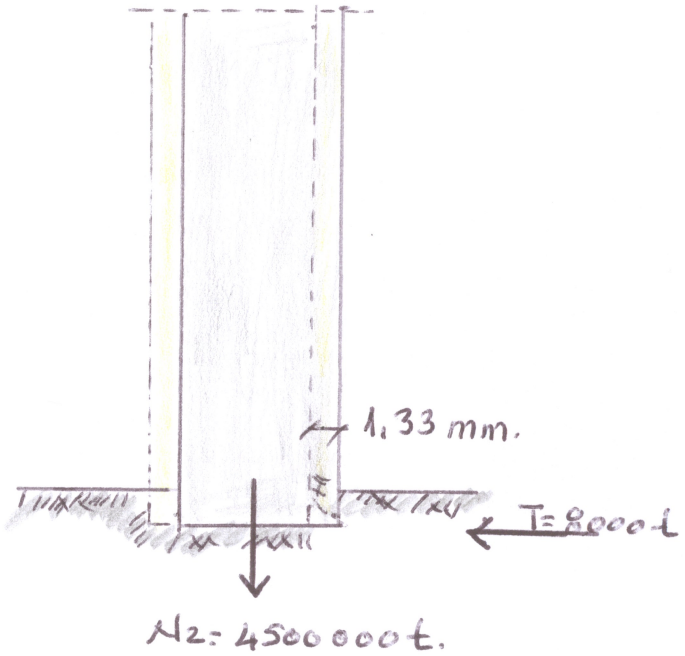
N=7200 000 t.

N^2=4500 000 t.

T=8000 t.

K=60000 t/m^3

q =8000/100=80 t/m



V=q / K = 80 / 60000 = 0.001333 m = 1.33 mm

mm.

δR_1 = 7200 000 x 0.001333 = 9600 t > 8000

δR_2 = 4500 000 x 0.001333 = 5985 < 8000

Remarks : the construction will be applied as 200 floors.

NAŞİT YILMAZTÜRK
Civil Engineer
December 1990

DETAILS OF THE CONSTRUCTION

- No ground excavation work,
- less use of iron (front tension, cable),
- an airport on the upper floor,
- 60 elevators/lifts in service,
- lasts for 600 ≈ 1000 years,
- optimum use of construction site,
- 10.000 habitants in one block of apartments,
- contains a municipality and head official of the district/site,
- each block is located on 1 km^2 area,
- 1.000.000/10.000=100 m^2 building plot per person,
- inexpensive sales prices,
- 500 m^2 free building plot to give away as a gift for each apartment purchased,
- whole population of turkey can easily be resided in Istanbul,
- this method can be applied across the world.