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LAMPIRAN

Material Properties

Material Property Data

General Data

Material Name

Beton K-400

Material Type

Concrete

Directional Symmetry Type

Isotropic

Material Display Color

Change...

Material Notes

Modify/Show Notes...

Material Weight and Mass

☒ Specify Weight Density

☐ Specify Mass Density

Weight per Unit Volume

23,536

kN/m³

Mass per Unit Volume

2400

kg/m³

Mechanical Property Data

Modulus of Elasticity, E

27081,14

MPa

Poisson's Ratio, U

0,2

Coefficient of Thermal Expansion, A

0,0000099

1/C

Shear Modulus, G

11283,81

MPa

Design Property Data

Modify/Show Material Property Design Data...

Advanced Material Property Data

Nonlinear Material Data...

Material Damping Properties...

Time Dependent Properties...

Modulus of Rupture for Cracked Deflections

☒ Program Default (Based on Concrete Slab Design Code)

☐ User Specified

OK

Cancel



Lampiran 1 *Material Properties* Beton



Jalan Poros Malino KM. 6 Bontomarannu (92171) Gowa, Sulawesi Selatan, Fax
(0411) 586015, <http://eng.unhas.ac.id> e-mail:arch_unhas@yahoo.com

Material Property Data

General Data

Material Name

B₇TS 420A

Material Type

Rebar

Directional Symmetry Type

Uniaxial

Material Display Color

Change...

Material Notes

Modify/Show Notes...

Material Weight and Mass

☒ Specify Weight Density

☐ Specify Mass Density

Weight per Unit Volume

76,9822

kN/m³

Mass per Unit Volume

7850

kg/m³

Mechanical Property Data

Modulus of Elasticity, E

200000

MPa

Coefficient of Thermal Expansion, A

0,0000117

1/C

Design Property Data

Modify/Show Material Property Design Data...

Advanced Material Property Data

Nonlinear Material Data...

Material Damping Properties...

Time Dependent Properties...

OK

Cancel

Lampiran 2 *Material Properties* BjTS 420



Frame Section Property Data

General Data

Property Name: Kolom 80 x 80

Material: Beton K-400

Notional Size Data: Modify/Show Notional Size...

Display Color: Change...

Notes: Modify/Show Notes...

Shape

Section Shape: Concrete Rectangular

Section Property Source

Source: User Defined

Section Dimensions

Depth: 800 mm

Width: 800 mm

Show Section Properties...

☐ Include Automatic Rigid Zone Area Over Column

Property Modifiers

Modify/Show Modifiers...
Currently Default

Reinforcement

Modify/Show Rebar...

OK
Cancel

Lampiran 3 Material Properties Kolom

Frame Section Property Data

General Data

Property Name: B1

Material: Beton K-400

Notional Size Data: Modify/Show Notional Size...

Display Color: Change...

Notes: Modify/Show Notes...

Shape

Section Shape: Concrete Rectangular

Section Property Source

Source: User Defined

Section Dimensions

Depth: 800 mm

Width: 400 mm

Show Section Properties...

☐ Include Automatic Rigid Zone Area Over Column

Property Modifiers

Modify/Show Modifiers...
Currently Default

Reinforcement

Modify/Show Rebar...

OK
Cancel

Lampiran 4 Material Properties Balok





Load Assign

Wind Load Pattern - ASCE 7-10

Exposure and Pressure Coefficients

☐ Exposure from Extents of Diaphragms

☒ Exposure from Frame and Shell Objects

☒ Include Shell Objects

☒ Include Frame Objects (Open Structure)

Wind Pressure Coefficients

☒ User Specified ☐ Program Determined

Windward Coefficient, Cpw

Leeward Coefficient, Cpl

Wind Exposure Parameters

Wind Direction 0 deg

Case (ASCE 7-10 Fig. 27.4-8)

e1 Ratio (ASCE 7-10 Fig. 27.4-8)

e2 Ratio (ASCE 7-10 Fig. 27.4-8)

Wind Coefficients

Wind Speed (mph) 4.72

Exposure Type B

Topographical Factor, Kzt 1

Gust Factor 0.85

Directionality Factor, Kd 0.85

Solid / Gross Area Ratio 0.2

Exposure Height

Top Story Story40

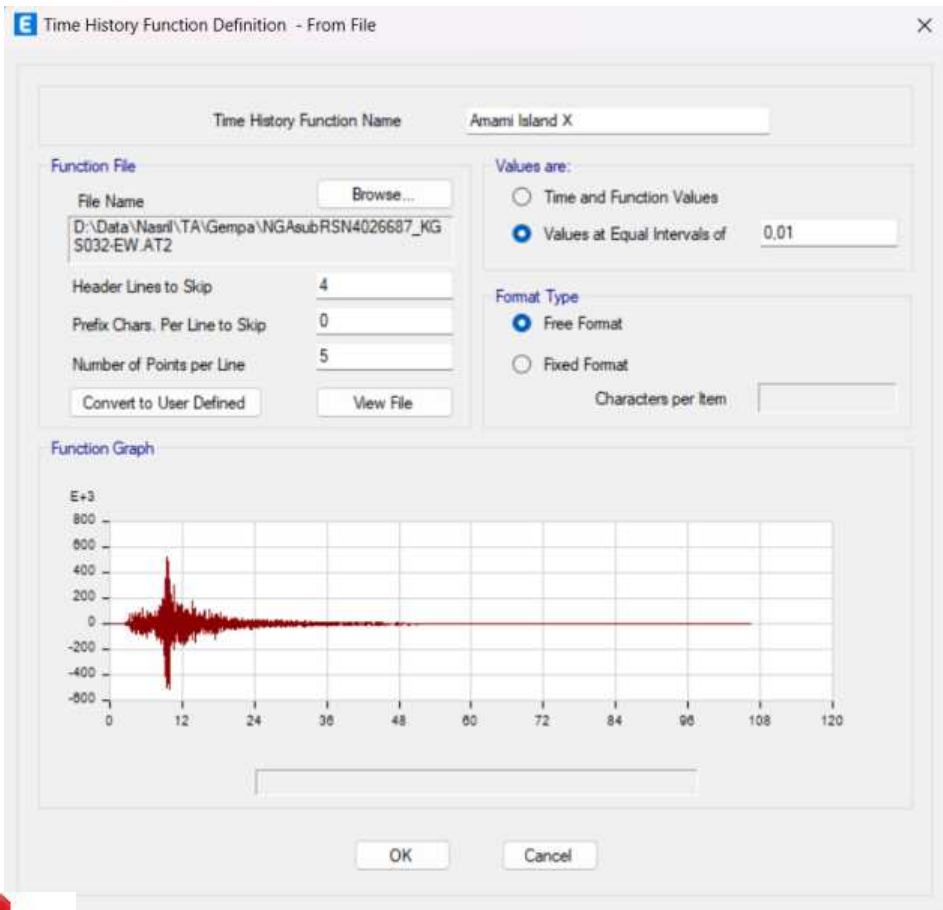
Bottom Story Base

☐ Include Parapet

Parapet Height

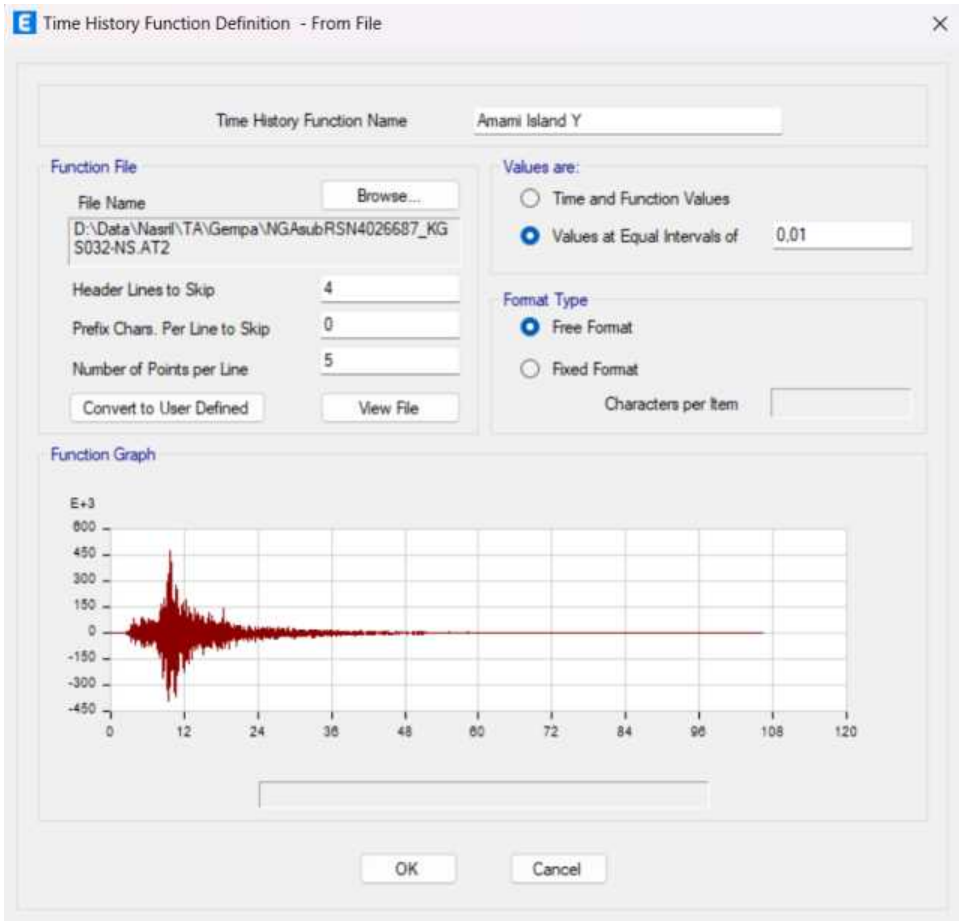
OK Cancel

Lampiran 7 Beban Angin

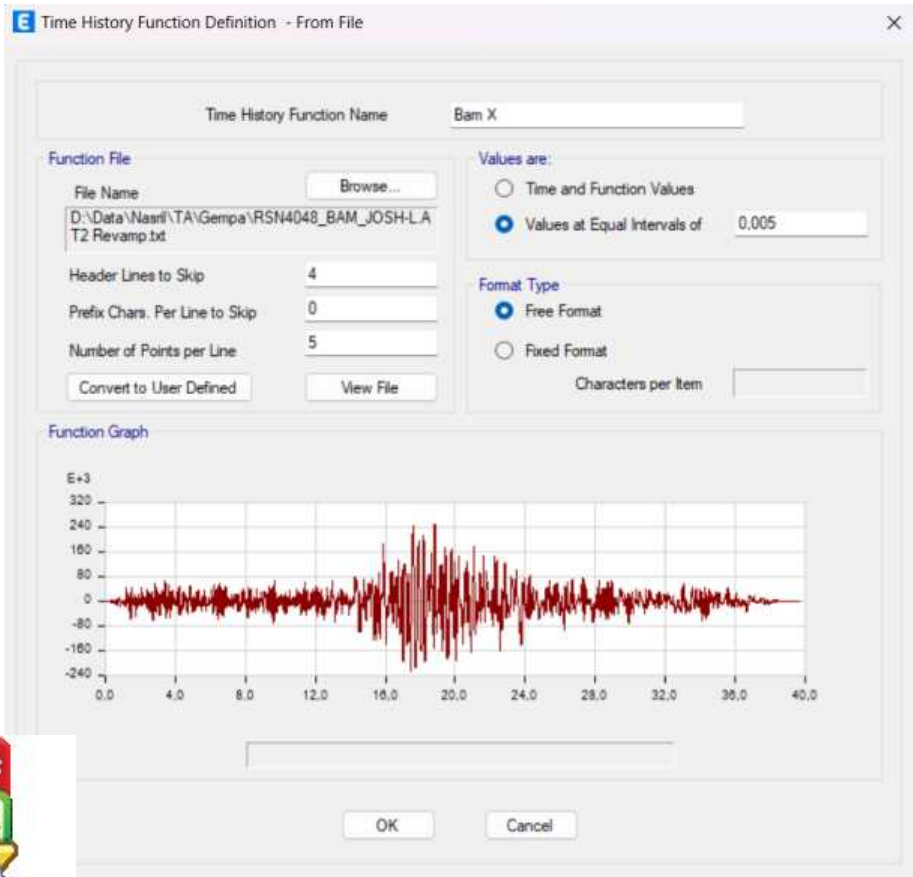


Lampiran 8 Fungsi Time Historic Gempa Amami Island arah X



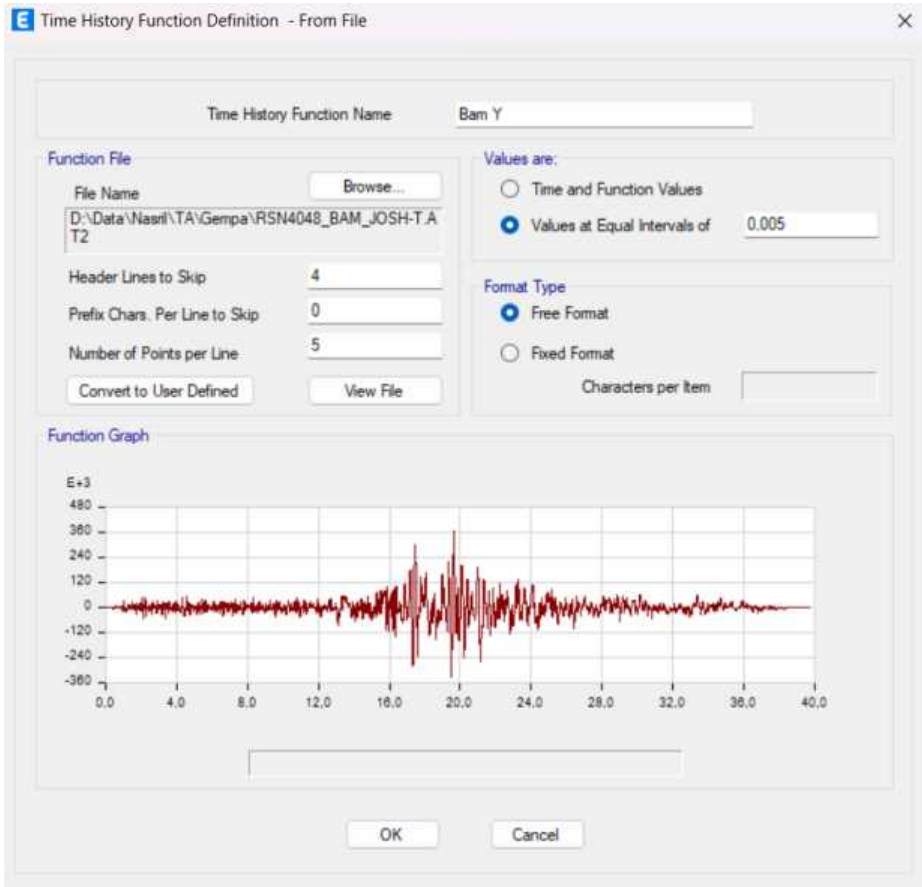


Lampiran 9 Fungsi *Time Historic* Gempa Amami Island Arah Y

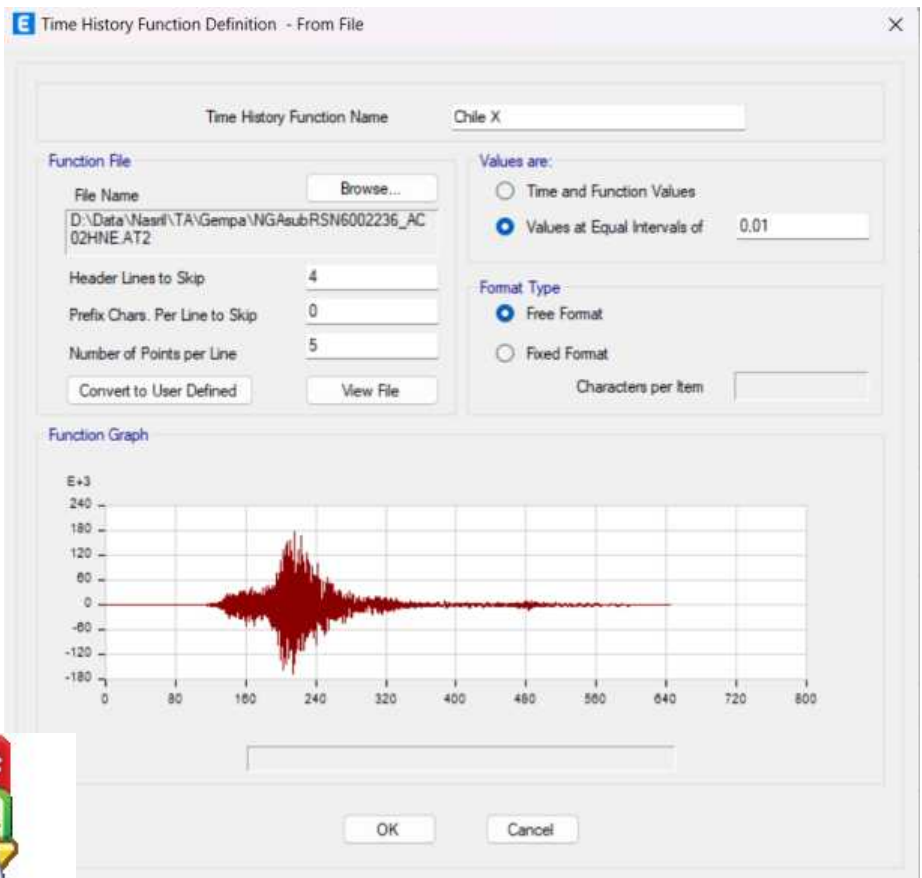


Lampiran 10 Fungsi *Time Historic* Gempa Bam Iran arah X



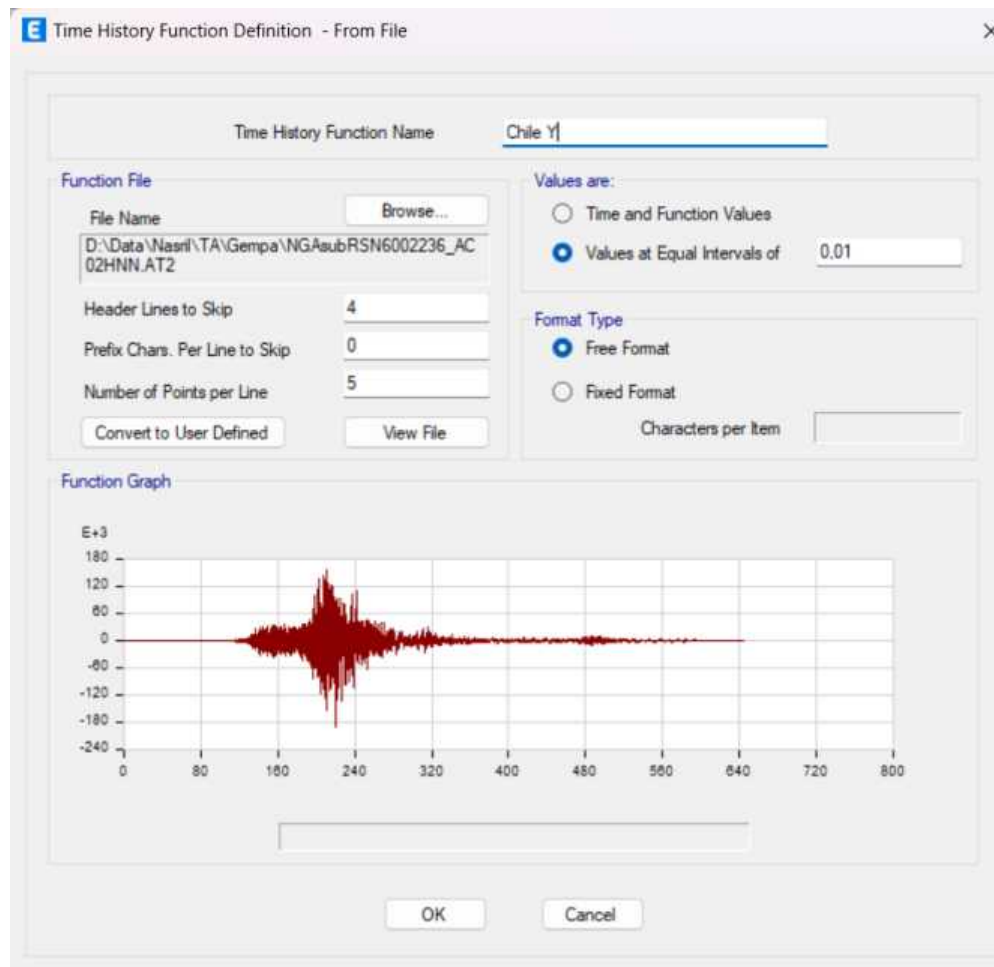


Lampiran 11 Fungsi *Time Historic* Gempa Bam Iran Arah Y



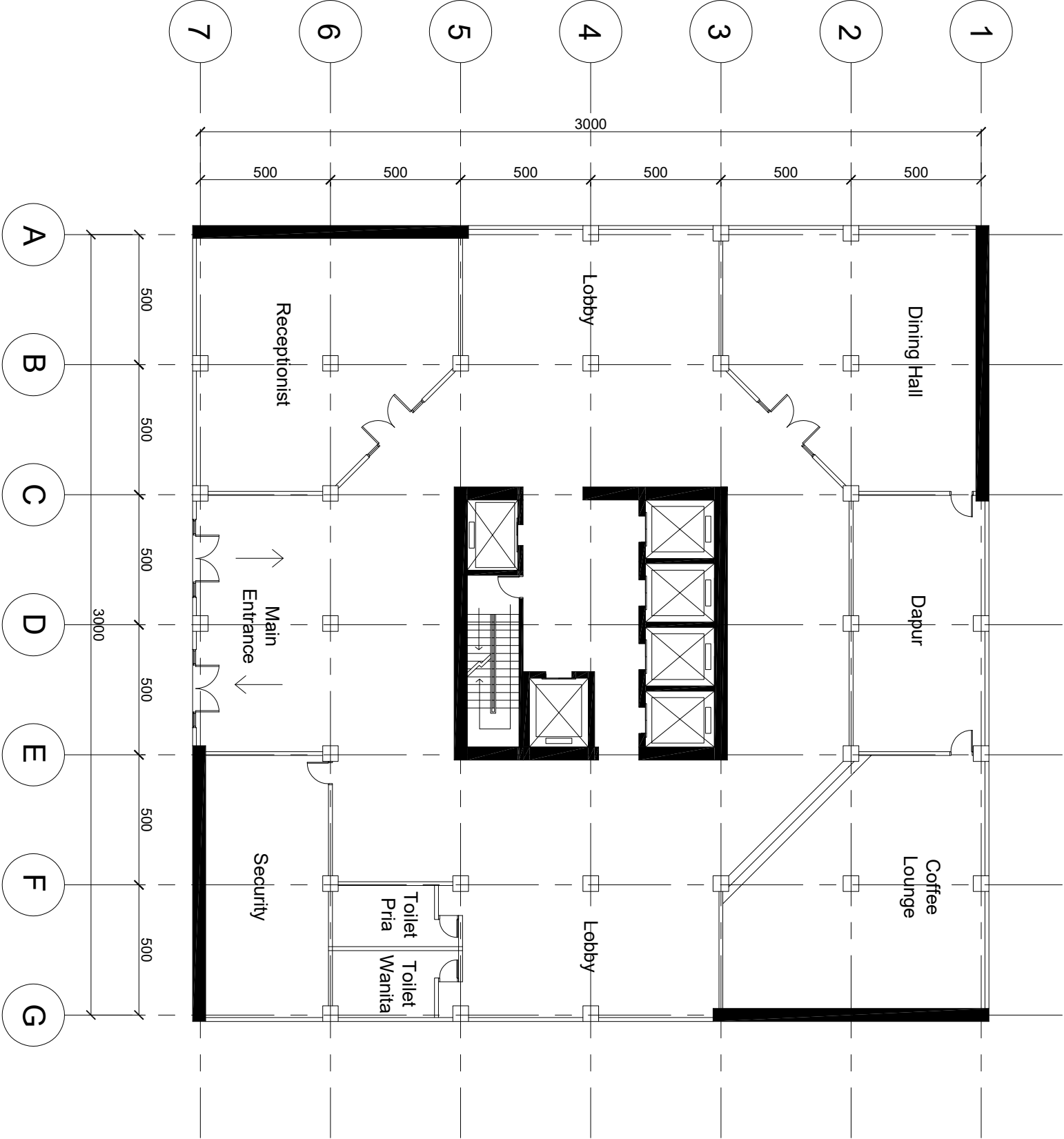
Lampiran 12 Fungsi *Time Historic* Gempa Chile Arah X





Lampiran 13 Fungsi *Time Historic* Gempa Chile Arah Y





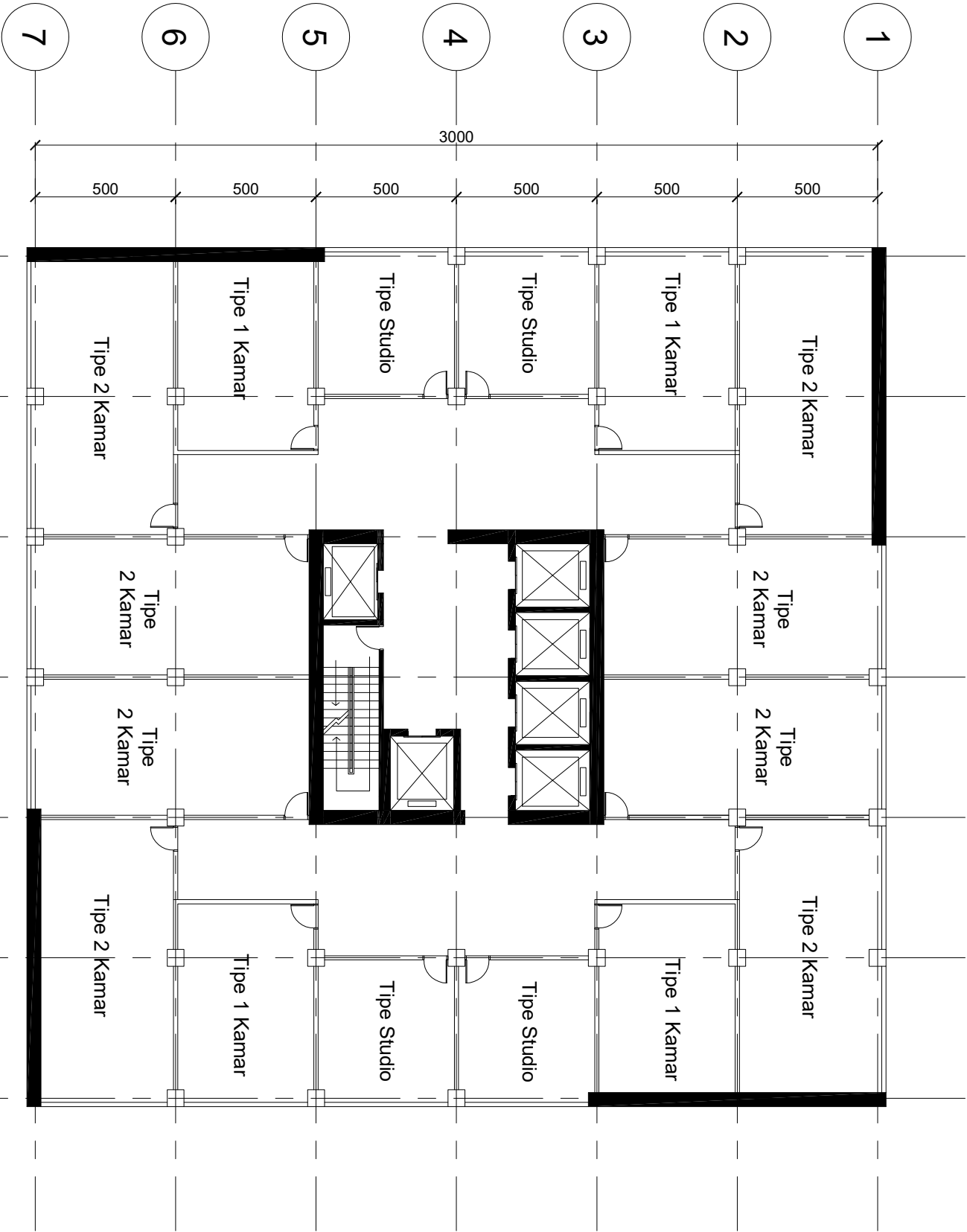
1 DENAH LOBBY/LANTAI 1
1:200

DOSEN PEMBINGBING		MAHASISWA/NIM	NAMA BANGUNAN	NAMA GAMBAR	NO. HAL	SKALA	KETERANGAN
Dr. Imriyanti, ST.,MT. Dr. Ir. Hartawan, MT.		NASRIL D051191073	GEDUNG APARTEMEN 40 LANTAI MAKASSAR	DENAH LOBBY	01	1:200	



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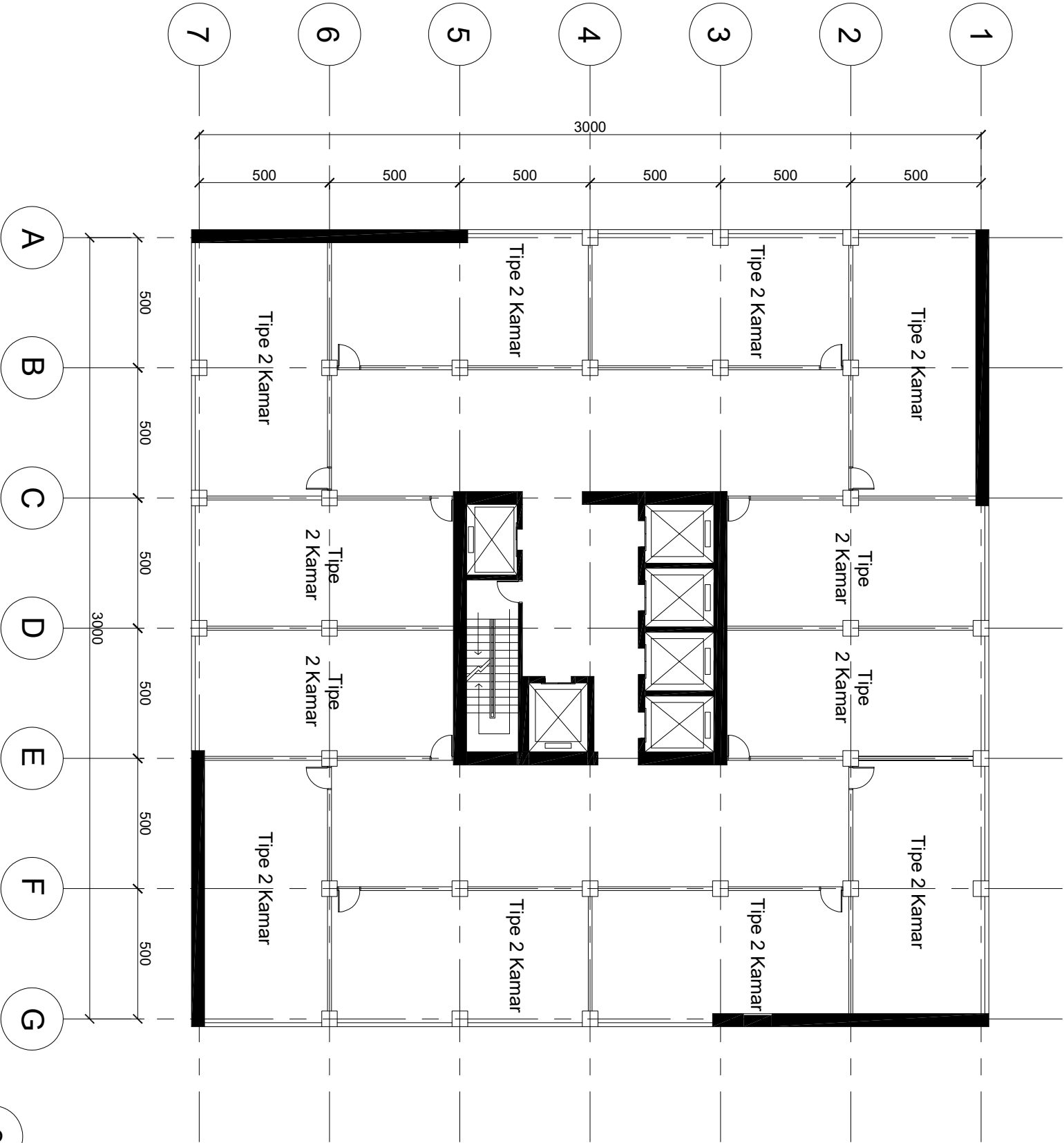


2 DENAH TIPIKAL LANTAI 2-20

1:200

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UNIVERSITAS HASANUDDIN		D051191073	40 LANTAI MAKASSAR	LANTAI 2-20			
DOSEN PEMBINGBING							
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3
1:200

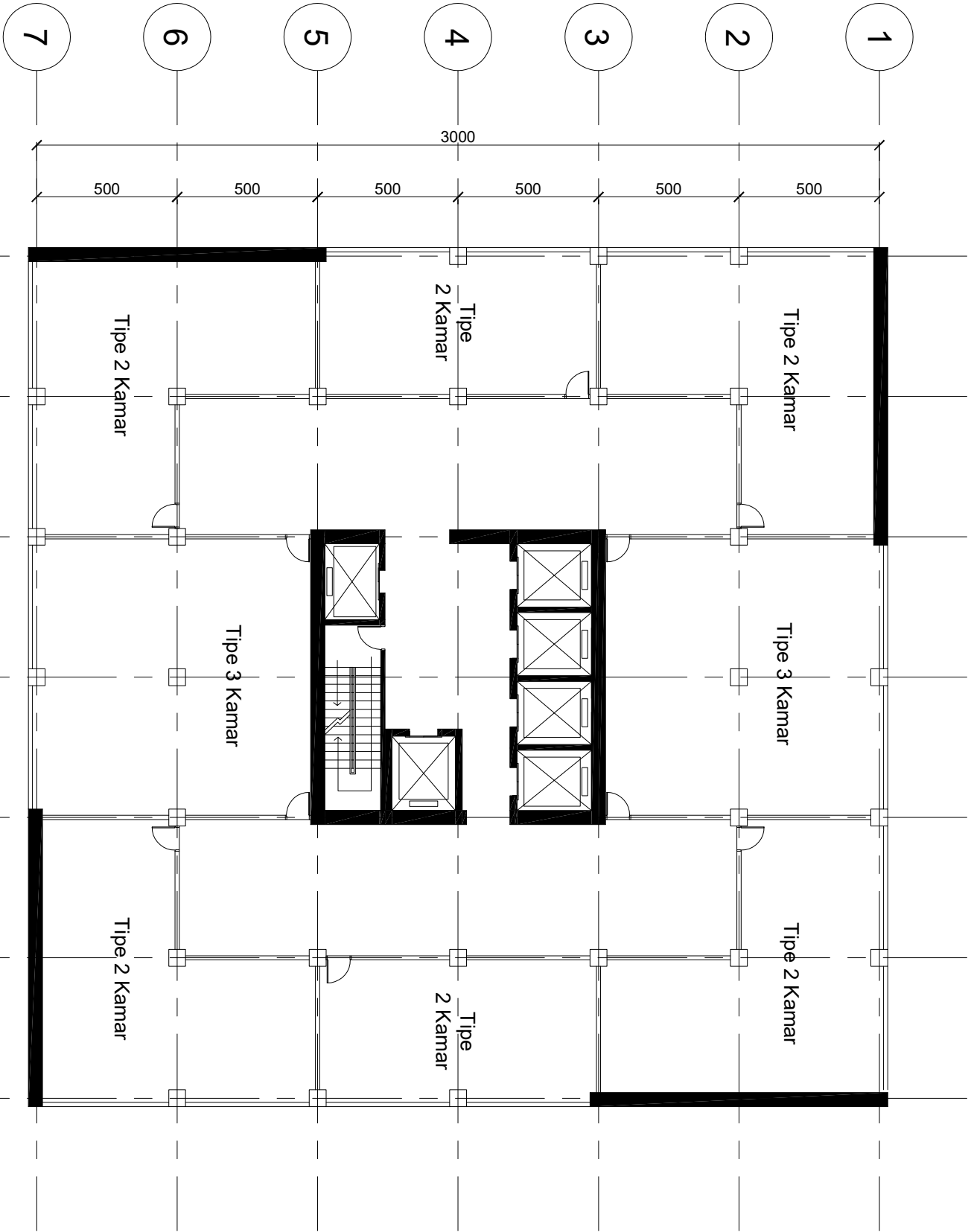
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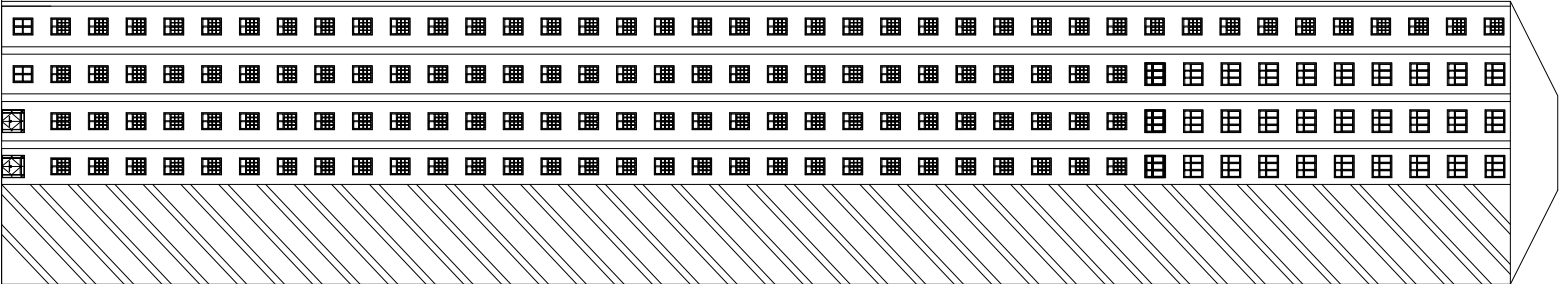
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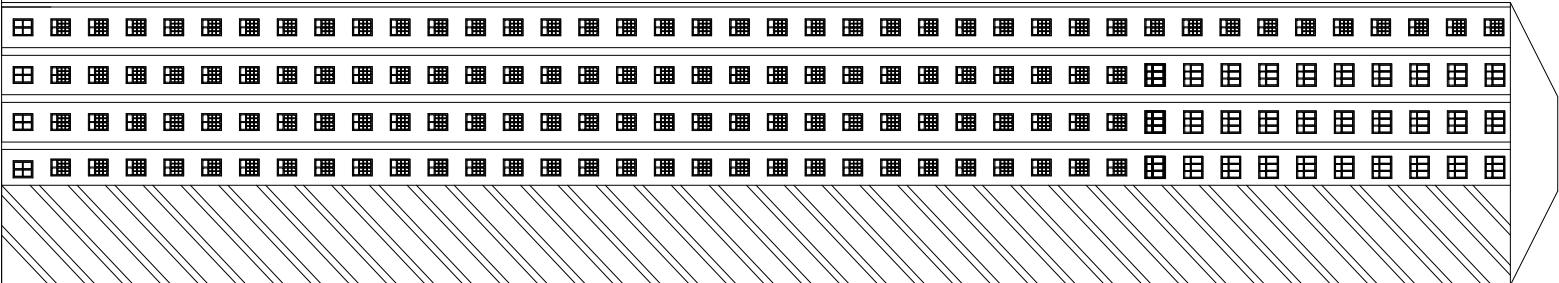
4 DENAH TIPIKAL LANTAI 31-40
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DOSEN PEMBINGBING							
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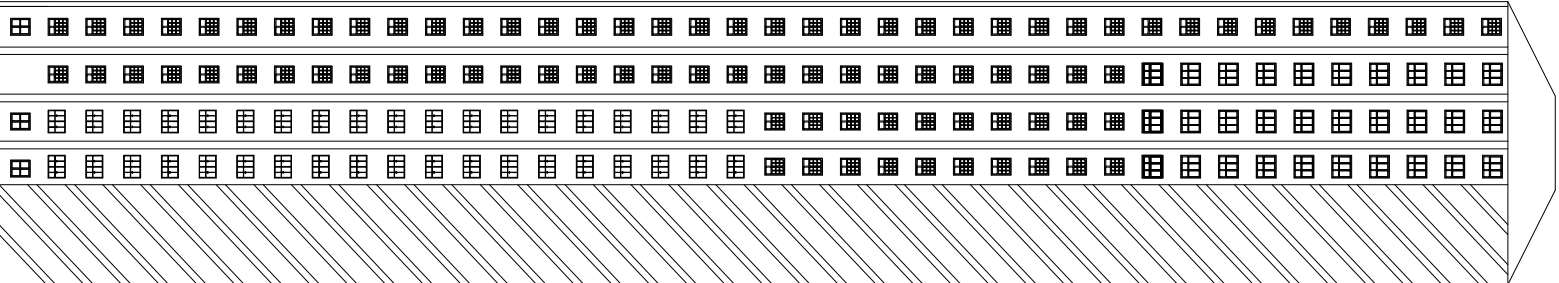
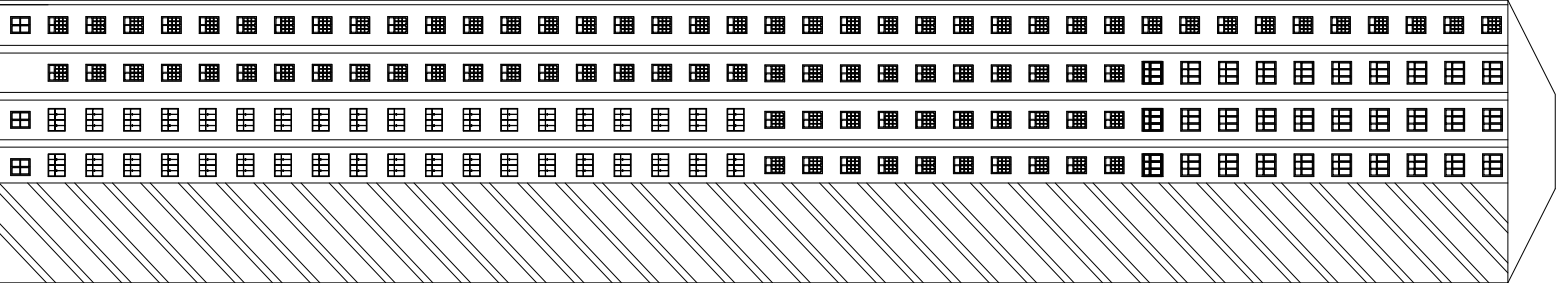


5.1
1:800
TAMPAK DEPAN



5.2
1:800
TAMPAK BELAKANG

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6.1
1:800

TAMPAK SAMPIING KANAN

6.2
1:800

TAMPAK SAMPIING KIRI

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