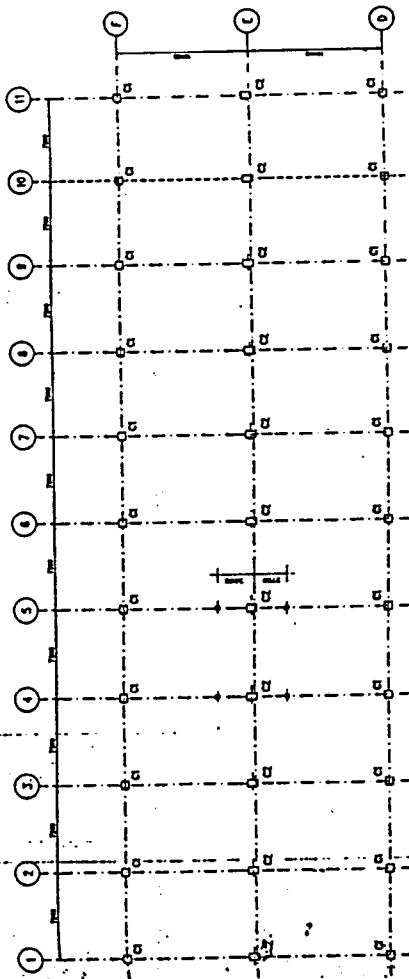


LAMPIRAN



KEY PLAN COLUMN LABTEK X
SCALE 1:200

COLUMN SCHEDULE		COLUMN SCHEDULE	
MARKS	CI	CI	C2
DL + 11.000			
DL + 11.000			
DL + 9.500			
DL + 9.000			
DL + 7.500			

NO.	REVISION	DATE	BY

PROF. PENGALIHAN KELOMPOK NO. 2
INSTRUMEN TERPADU SURABAYA

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INSTRUMEN TERPADU SURABAYA

LABTEK X

COLUMN SCHEDULE

DISKUSI DAN KONSULTASI
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
POLITEKNIK NEGERI SURABAYA
Jl. Raya Darmasari No. 11, Surabaya
Telp. (031) 5951500

NO.	REVISION	DATE	BY

CATATAN

LAMP. 10

GAMBAR BELAKANG

GAMBAR KERJA
1/10

NAMA POTONGAN LETAH	TYPE B1-1		TYPE B1-2		TYPE B1-3		TYPE B1-4		TYPE B1-5		TYPE B1-6		TYPE B1-7		TYPE B1-8	
	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA	BURUAN SAMA	BURUAN BERBEDA
POTONGAN																
LETAH	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12
POTONGAN																
LETAH	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12
POTONGAN																
LETAH	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12	200 x 300 1-2-Ø12 Ø11.000 1-2-Ø12

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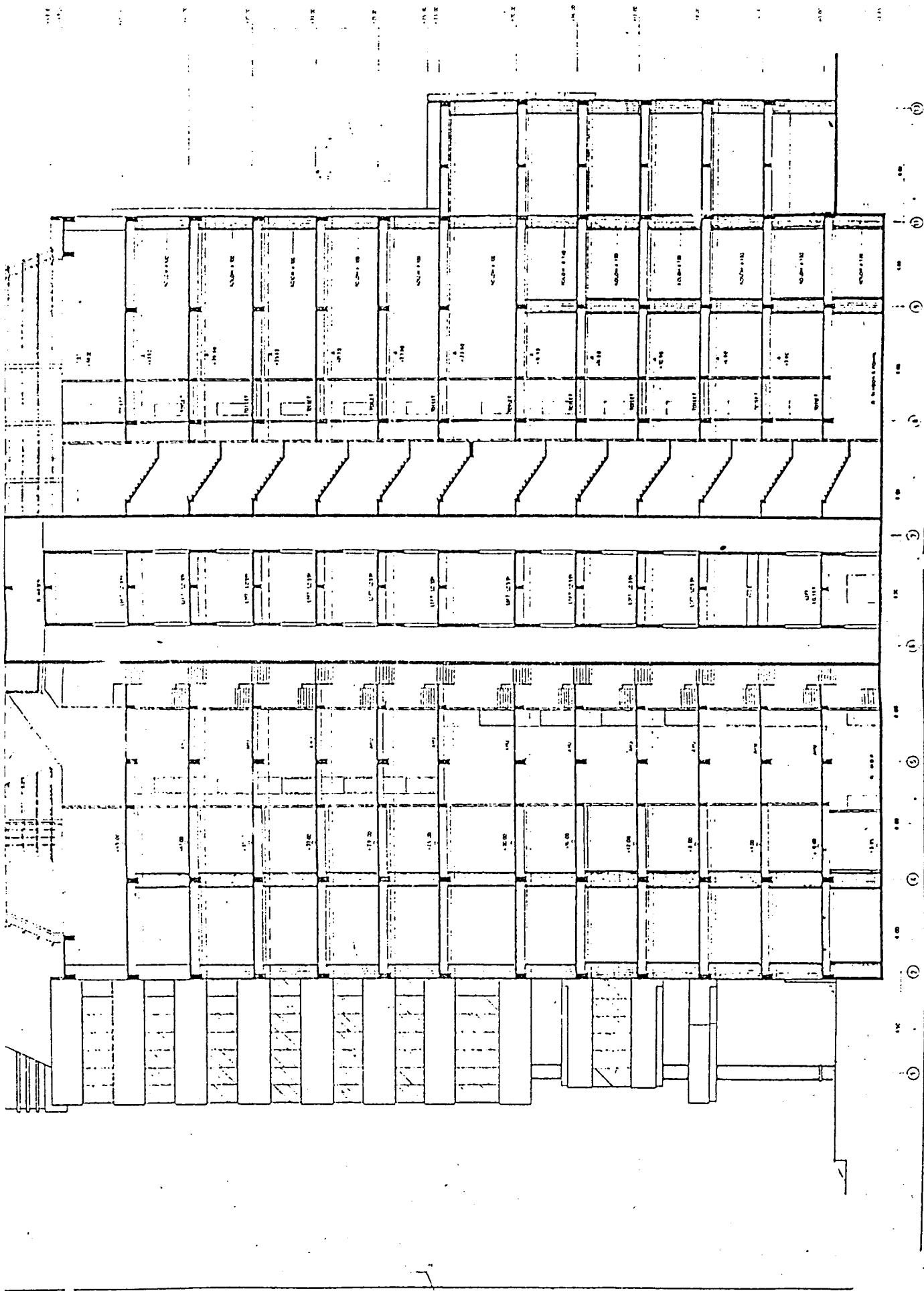
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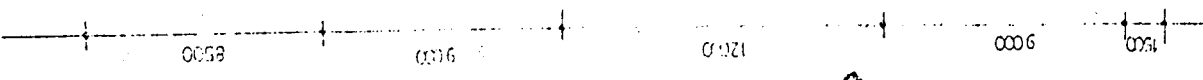
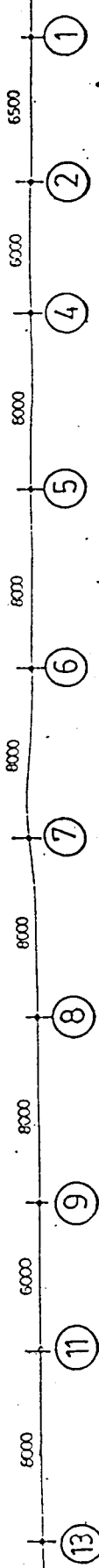
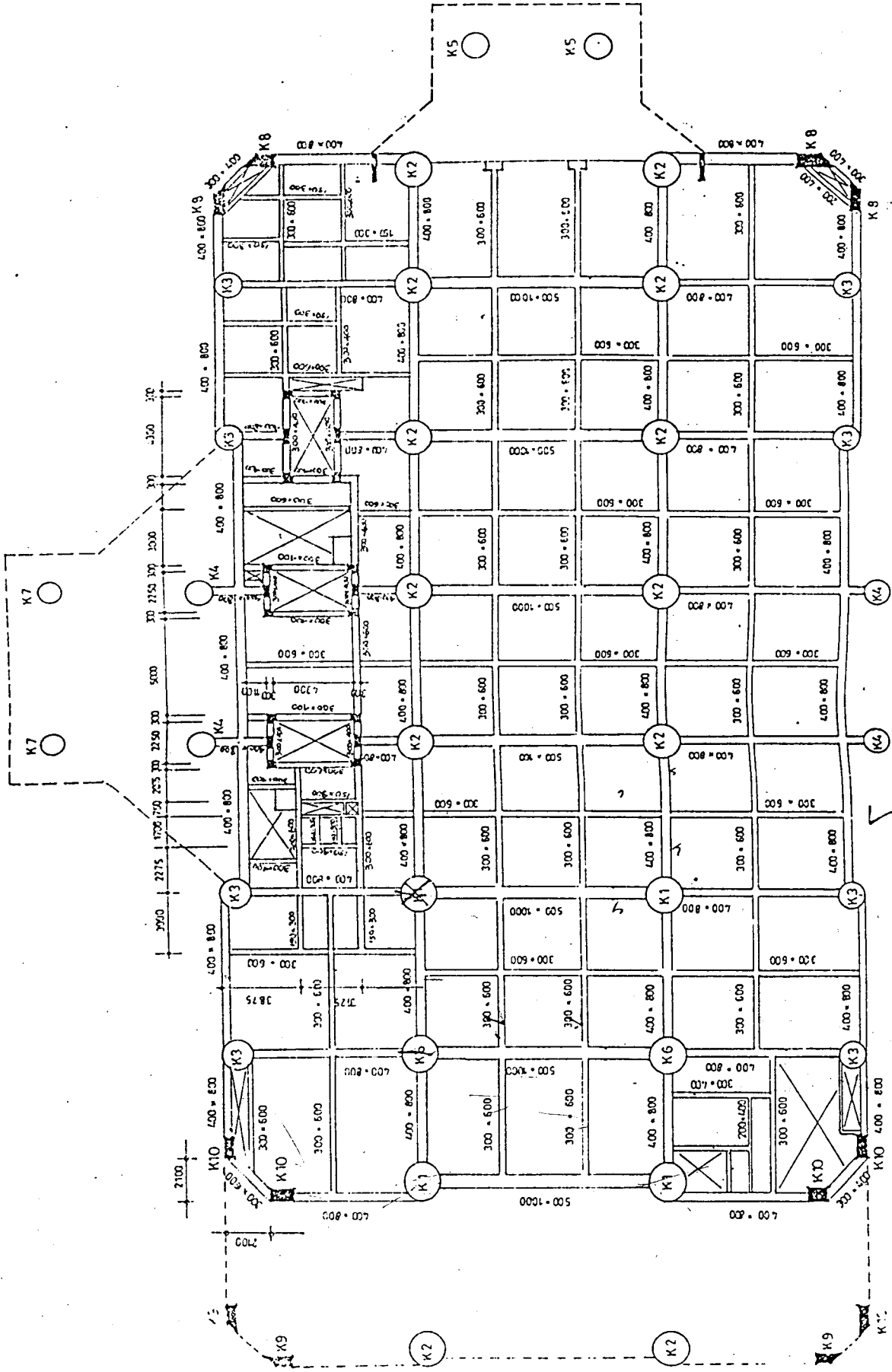
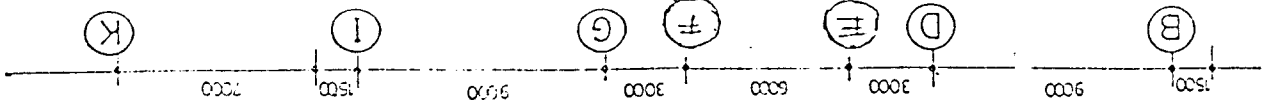
GEDUNG UNIVERSITAS
ISLAM AS-SYATITAYAI
JALAN JATI WIRAHUM RAYA
BEKASI

No. Dokumen	01
No. Revisi	01
Tanggal	1:20

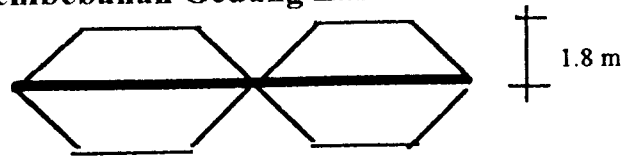
STRUKTUR

TABEL BALOK I





Perhitungan Pembebanan Gedung Laboratorium Teknologi X ITB



* Pada Pelat Atap

Beban mati

Berat sendiri	$0,1 * 2400$	$= 240 \text{ kg/m}^2$
Spesi	$2 * 21$	$= 42 \text{ kg/m}^2$
Plafon & penggantung	$11 + 7$	$= 18 \text{ kg/m}^2$
		$\underline{300 \text{ kg/m}^2}$

Beban hidup

Beban bergunan	$= 100 \text{ kg/m}^2$
Air hujan	$= 40 \text{ kg/m}^2$
	$\underline{140 \text{ kg/m}^2}$

*Pelat Lantai

Beban mati

Berat sendiri	$0,12 * 2400$	$= 288 \text{ kg/m}^2$
Spesi	$2 * 21$	$= 42 \text{ kg/m}^2$
Plafon & penggantung	$11 + 7$	$= 18 \text{ kg/m}^2$
Tegel	$3 * 24$	$= 72 \text{ kg/m}^2$
		$\underline{420 \text{ kg/m}^2}$

Beban hidup

$$= 250 \text{ kg/m}^2$$

* Berat sendiri balok

a. Berat balok atap $0,35 * (0,7 - 0,1) * 2400 = 504 \text{ kg/m}'$

b. Berat balok lantai dan tembok

$$0,6 * (0,9 - 0,12) * 2400 + 250 * 4,1 = 2148,2 \text{ kg/m}'$$

*Berat sendiri kolom

$$0,65 * 0,65 * 2400 = 1014 \text{ kg/m}' \dots\dots\dots(\text{kolom 1\&3})$$

$$0,65 * 0,85 * 2400 = 1326 \text{ kg/m}' \dots\dots\dots(\text{kolom 2})$$

*Beban ekuivalen

Beban mati

Balok atap

$$M = 0,0208 * q * l_x * (3l_y - l_x)$$

$$M = 0,0208 * 300 * 3,6 * (3 * 10,6^2 - 3,6^2) = 7281,0317 \text{ kg.m}$$

$$q = 8 \frac{M}{l_y^2} = 518,4074$$

$$518,4074 * 2 = 1036,814$$

$$q \text{ balok} = \underline{504}$$

$$q \text{ ekiv.} = 1540,814 \text{ kg/m} \approx 1550 \text{ kg/m}$$

Balok lantai

$$M = 0,0208 * 420 * 3,6 * (3 * 10,6^2 - 3,6^2) = 10487,81 \text{ kg m}$$

$$q = 746,729 * 2 = 1497,45$$

$$q \text{ balok} = \frac{2148,2}{2}$$

$$q \text{ ekiv. lantai} = 3645,65 \text{ kg/m} \approx 3646 \text{ kg/m}$$

Beban hidup**Balok atap**

$$M = 0,0208 * 140 * 3,6 * (3 * 10,6^2 - 3,6^2) = 3397,81 \text{ kgm}$$

$$q \text{ ekiv. atap} = 241,923 * 2 = 483,846 \text{ kg/m} \approx 490 \text{ kg/m}$$

Balok lantai

$$M = 0,0208 * 250 * 3,6 * (3 * 10,6^2 - 3,6^2) = 6067,526 \text{ kgm}$$

$$q \text{ ekiv.} = 432,006 * 2 = 864,0123 \text{ kg/m} \approx 900 \text{ kg/m}$$

*** Pembebanan Gempa*****Berat atap****Beban mati**

Pelat	: 21,2 * 7,2 * 300	= 45792 kg
Balok bujur	: 0,35 * 0,7 * 21,2 * 1 * 2400	= 12465 kg
Balok melintang	: 0,35 * 0,7 * 7,2 * 3 * 2400	= 12700 kg
Kolom	: 0,65 * 0,65 * 2 * 2,4 * 2400	= 4867 kg
	: 0,65 * 0,85 * 2,4 * 1 * 2400	= 3182 kg
Tembok	: 21,2 * 2,4 * 250	= 12720 kg
	: 3 * 7,2 * 2,4 * 250	= 12960 kg
		<u>104686 kg</u>

Beban hidup

$$q = 140 \text{ kg/m}^2$$

$$\text{Faktor Reduksi} = 0,3$$

$$W \text{ atap(h)} = 21,2 * 7,2 * 140 * 0,3 = 6410,8 \text{ kg}$$

$$W \text{ total atap} = 104686 + 6410,8 = 111096,8 \text{ kg}$$

Berat lantai*Beban mati**

Pelat	: 670 * 21,2 * 7,2	= 1022688 kg
Balok Bujur	: 0,6 * 0,9 * 21,2 * 1 * 2400	= 127475,2 kg
Balok melintang	: 0,6 * 0,9 * 7,2 * 3 * 2400	= 27993,6 kg
Kolom	: 0,65 * 0,65 * 2 * 4,8 * 2400	= 9734,4 kg
	: 0,65 * 0,85 * 1 * 4,8 * 2400	= 6364,8 kg
Tembok	: 21,2 * 250 * 3,9	= 20670 kg
	: 7,2 * 3 * 250 * 3,9	= 21060 kg
		<u>1235986 kg</u>

Beban hidup

$q = 250 \text{ kg/m}^2$

Faktor reduksi = 0,3

$W \text{ lantai} = 21,2 * 2,4 * 250 * 0,3 = 3816 \text{ kg}$

$W \text{ lantai} = 1235986 + 3816 = 1239802 \text{ kg}$

$W \text{ atap \& lantai total} = 3(1239802) + 111096,8 = 3830502 \text{ kg}$

***Waktu getar bangunan (T)**

Dengan rumus Empiris

$T = 0,06 * H^{0,75}$

$H = 4 * 4,8 = 19,2$

$T = 0,06 * (19,2)^{0,75} = 0,550335 \text{ detik}$

***Koefisien gempa dasar (C)**

C diperoleh dari gambar (struktur diatas tanah lunak)

$C = 0,07$

***Faktor keutamaan I dan faktor jenis struktur K**

$I = 1,5$ $K = 1,0$ untuk bangunan kampus yang menggunakan struktur rangka beton bertulang dengan daktilitas penuh.

***Gaya geser horisontal total akibat gempa**

$v_i = C * I * K * W$

$= 0,07 * 1,5 * 1,0 * 3830502 = 402202$

Gaya geser horisontal total akibat gempa sepanjang tinggi gedung

$H/A = 19,2/21,2 = 0,9056 < 3$

hi (m)	wi (kg)	wi hi (kgm)	fi xi
19,2	104686	2009971	21496
14,4	1235986	17798198	190352
9,6	1235986	11865465	126901
4,8	1235986	5932732	63450

37606366

Pengurangan akibat Infill Wall

$$\begin{aligned}
 q_{\text{ekiv. lantai (akibat pengurangan)}} &= q_{\text{ekiv. lantai}} - q_{\text{tembok}} \\
 &= 20670 - 1035 = 3521 \text{ kg/m}
 \end{aligned}$$

Perhitungan Pembebanan Gedung BNI Surabaya

*Pelat Atap

$$\text{Beban Mati} = 300 \text{ kg/m}$$

$$\text{Beban hidup} = 140 \text{ kg/m}^2$$

*Pelat lantai

$$\text{Beban mati} = 420 \text{ kg/m}^2$$

Beban hidup

$$\text{Beban berguna} = 250 \text{ kg/m}^2$$

*Berat sendiri balok

$$\text{Berat balok atap} = 0,6 * (0,8 - 0,1) * 2400 = 1008 \text{ kg/m'}$$

$$\text{Berat balok lantai} = 0,6 * (0,8 - 0,12) * 2400 = 979,2 \text{ kg/m'}$$

$$\text{Tembok} = 250 * 3,2 = 800 \text{ kg/m'}$$

$$\underline{1779,2 \text{ kg/m'}}$$

$$\text{Balok anak atap} = 0,6 * (0,3 - 0,1) * 2400 = 288 \text{ kg/m}$$

$$\text{Balok anak lantai} = 0,6 * (0,3 - 0,12) * 2400 = 259,2 \text{ kg/m}$$

*Berat sendiri kolom

$$0,9 * 0,9 * 2400 = 1944 \text{ kg/m'}$$

*Beban Ekvivalen

Beban akibat gravitasi

Beban Mati

Balok Atap

$$M = 0,0417 * 300 * 4^3 = 400,32 \text{ kg m}$$

$$q = 400,32 * 2 = 800,64 \text{ kg/m}$$

$$q \text{ balok} + \text{tembok} = \underline{1008} \text{ kg/m}$$

$$q_{\text{ekiv.}} = 1808,64 \text{ kg/m} \approx 1810 \text{ kg/m}$$

Balok lantai

$$M = 0,0417 * 420 * 4^3 = 1120,896 \text{ kg.m}$$

$$q = 560,448 * 2 = 1120,896$$

$$q \text{ balok} = \underline{1779,2}$$

$$q_{\text{ekiv.}} = \underline{2900,1 \text{ kg/m}}$$

Beban hidup

Balok atap

$$M = 0,0417 * 140 * 4^3 = 373,632 \text{ kg.m}$$

$$q_{\text{ekiv.}} = 186,816 * 2 = 373,632 \approx 380 \text{ kg/m}$$

Balok lantai

$$M = 0,0417 * 250 * 4^3 = 667,2 \text{ kgm}$$

$$q_{\text{ekiv.}} = 333,6 * 2 = 667,2 \approx 670 \text{ kg/m}$$

Distribusi Gaya Horizontal Akibat Pengurangan Infill Wall

hi	wi (I-1)	wi (I-2)	wi (I-3)	wi (I-K)
19.2	104686	104686	104686	91966
14.4	1235986	1235986	1215316	1215316
9.6	1235986	1215316	1215316	1215316
4.8	1215316	1215316	1215316	1215316
Wi.hi	2014158.6	2014158.6	2014158.6	1769425.8
14.4	17798198	17798198	17500550	17500550
9.6	11865466	11667034	11667034	11667034
4.8	5833516.8	5833516.8	5833516.8	5833516.8
Jumlah	37511339	37312907	37015259	36770527
V (Kg)	400032	397862	395691	393521
Fi(Kg)	21479.582	21476.675	21531.24	18936.531
14.4	189805.24	189779.55	187079.88	187292.23
9.6	126536.83	124403.85	124719.92	124861.49
4.8	62210.346	62201.925	62359.96	62430.745

***Beban titik**

Atap

$$q = q \text{ pelat(mati +hidup) + berat balok anak} \\ = (800,64 + 380) + 288 = 1468,64 \text{ kg/m}$$

$$P = q * L = 1468,64 * 4 = 5880 \text{ kg}$$

Lantai

$$q = (1120,896 + 670) + 259,2 = 2050,096 \text{ kg/m}$$

$$P = q * L = 2050,096 * 4 = 8200 \text{ kg}$$

***Pembebanan Gempa**

Berat atap

Beban mati

Pelat	: 300 * 28 * 8	= 67200 kg
Balok bujur	: 0,6 * 0,8 * 28 * 2400	= 32256 kg
Balok anak	: 0,6 * 0,3 * 8 * 4 * 2400	= 13824 kg
	: 0,6 * 0,3 * 2 * 12 * 2400	= 10368 kg
Balok lintang	: 0,6 * 0,8 * 4 * 8 * 2400	= 36864 kg
Kolom	: 0,9 * 0,9 * 4 * 2 * 2400	= 15552 kg
Tembok	: 28 * 2 * 250	= 14000 kg
	8 * 4 * 250 * 2	= 16000 kg
		<hr/>
		206064 kg

Beban hidup

$$q = 140 \text{ kg/m}^2$$

$$\text{Faktor reduksi} = 0,3$$

$$W \text{ atap} = 28 * 8 * 140 * 0,3 = 9408 \text{ kg}$$

$$W \text{ total atap} = 206064 + 9408 = 215472 \text{ kg}$$

Berat lantai

Beban mati

Pelat	: 670 * 28 * 8	= 150080 kg
Balok bujur	: 0,6 * 0,8 * 1 * 28 * 2400	= 32256 kg
Balok anak	: 0,3 * 0,6 * 8 * 4 * 2400	= 13824 kg
	: 0,3 * 0,6 * 2 * 12 * 2400	= 10368 kg
Balok melintang	: 0,6 * 0,8 * 4 * 8 * 2400	= 36864 kg
Kolom	: 0,9 * 0,9 * 4 * 4 * 2400	= 31104 kg
Tembok	: 28 * 3,2 * 250	= 22400 kg
	8 * 4 * 3,2 * 250	= 25600 kg
		<hr/>
		322496 kg

Beban hidup

$$q = 250 \text{ kg/m}^2$$

$$\text{Faktor reduksi} = 0,3$$

$$W \text{ lantai} = 28 * 8 * 250 * 0,3 = 16800 \text{ kg}$$

$$W \text{ total lantai} = 322496 + 16800 = 339296 \text{ kg}$$

$$W \text{ total lantai + atap} = 12(339296) + 215472 = 4287024 \text{ kg}$$

***Waktu getar bangunan(T)**

$$T = 0,06 H^{3/4}$$

$$H = 4 * 13 = 52 \text{ m}$$

$$T = 0,06 (52)^{3/4} = 1,162 \text{ detik}$$

***Koefisien gempa dasar (C)**

$$C = 0,05 \text{ (struktur diatas tanah lunak)}$$

***Faktor keutamaan (I) dan Faktor jenis struktur (K)**

$I = 1,5$ $K = 1,0$ untuk bangunan gedung perkantoran yang menggunakan struktur rangka beton bertulang dengan daktilitas penuh

***Gaya horisontal total akibat gempa**

$$V = CIK * W_i$$

$$= 0,05 * 1,5 * 1,0 * 4287024$$

$$= 321526,8$$

***Distribusi Gaya geser horisontal total akibat gempa kesepanjang tinggi gedung**

$$H/A = 52/28$$

$$= 1,8571 < 3$$

hi (m)	wi (kg)	wi hi (kgm)	Fixi y (kg)
52	206064	10725728	29548
48	339296	16286208	44911
44	339296	14929024	41168
40	339296	13571840	37425
36	339296	12214656	33683
32	339296	10867472	29940
28	339296	9500288	26198
24	339296	8143104	22455
20	339296	6785920	18712
16	339296	5428736	14970
12	339296	4071552	11227
8	339296	2714368	7485
4	339296	1357184	3742
		116596080	

$$q_{\text{ekiv.}} \text{ (akibat pengurangan)} = 3570 - 800 = 2770 \text{ kg/m}$$

Distribusi Gaya Horizontal Akibat Pengurangan Infill Wall

hi	wi (B-1)	wi (B-2)	wi (B-3)	wi (B-4)	wi (B-5)	wi (B-6)	wi (B-7)	wi (B-8)	wi (B-9)	wi (B-9)	wi (B-10)	wi (B-11)	wi (B-12)	wi (B-K)
WI	206064	206064	206064	206064	206064	206064	206064	206064	206064	206064	206064	206064	206064	192264
62	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
48	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
44	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
40	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
36	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
32	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
28	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
24	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
20	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
16	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
12	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
8	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	339296	316896	316896
4	316896	316896	316896	316896	316896	316896	316896	316896	316896	316896	316896	316896	316896	316896
WI HI	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	10715328	8997728
48	16286208	16286208	16286208	16286208	16286208	16286208	16286208	16286208	16286208	16286208	16286208	16286208	15211008	15211008
44	14929024	14929024	14929024	14929024	14929024	14929024	14929024	14929024	14929024	14929024	14929024	14929024	13943424	13943424
40	13571840	13571840	13571840	13571840	13571840	13571840	13571840	13571840	13571840	13571840	13571840	13571840	12675840	12675840
36	12214656	12214656	12214656	12214656	12214656	12214656	12214656	12214656	12214656	12214656	12214656	12214656	11408256	11408256
32	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10857472	10140672	10140672
28	9500288	9500288	9500288	9500288	9500288	9500288	9500288	9500288	9500288	9500288	9500288	9500288	8873088	8873088
24	8143104	8143104	8143104	8143104	8143104	8143104	8143104	8143104	8143104	8143104	8143104	8143104	7605504	7605504
20	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6785920	6337920	6337920
16	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5428736	5070336	5070336
12	4071552	4071552	4071552	4071552	4071552	4071552	4071552	4071552	4071552	4071552	4071552	4071552	3802752	3802752
8	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2714368	2535168	2535168
4	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584	1267584
WI (kg)	116486080	116306880	116038080	115679680	115231680	114666880	114066880	113350080	112543680	111647680	110662080	109586880	108689280	108689280
FI	29422.085	29312.566	29225.405	29160.26	29117.482	29097.008	29099.182	29124.383	29173.112	29245.996	29343.799	29467.434	29520.96	29520.96
48	44718.576	44552.116	44419.641	44320.627	44255.609	44224.491	44227.795	44266.098	44340.161	44450.938	44595.588	44830.672	44830.672	44830.672
44	40992.027	40839.44	40718.004	40627.242	40567.642	40539.117	40542.145	40577.256	40645.147	40746.693	40883.902	41133.82	41133.82	41133.82
40	37265.479	37126.764	37016.367	36933.856	36879.674	36853.743	36856.495	36888.415	36950.134	37036.841	37136.538	37244.235	37244.235	37244.235
36	33538.931	33414.087	33314.731	33240.471	33191.707	33168.369	33170.846	33199.573	33259.649	33332.247	33414.374	33500.051	33500.051	33500.051
32	29812.383	29701.411	29613.094	29547.085	29503.739	29482.994	29486.196	29524.461	29577.553	29636.577	29691.353	29746.081	29746.081	29746.081
28	26085.835	25988.735	25911.457	25853.698	25815.772	25792.62	25792.62	25824.285	25871.154	25917.505	25964.347	26011.591	26011.591	26011.591
24	22359.288	22276.058	22208.32	22160.314	22127.806	22105.418	22105.418	22137.031	22173.144	22209.657	22246.569	22283.882	22283.882	22283.882
20	18632.74	18563.382	18508.184	18466.928	18436.712	18412.526	18412.526	18444.139	18475.752	18507.365	18539.078	18570.791	18570.791	18570.791
16	14906.192	14850.705	14806.547	14773.207	14749.965	14736.723	14736.723	14768.236	14799.749	14831.262	14862.775	14894.288	14894.288	14894.288
12	11179.644	11138.029	11101.775	11078.533	11055.291	11042.049	11042.049	11073.562	11105.075	11136.588	11168.101	11200.014	11200.014	11200.014
8	7453.0958	7435.138	7417.181	7400.224	7383.267	7366.31	7366.31	7397.823	7429.336	7460.849	7492.362	7523.875	7523.875	7523.875
4	3480.5248	3467.569	3457.582	3449.5518	3444.4913	3442.0694	3442.0694	3445.0771	3448.0848	3451.0925	3454.1002	3457.1079	3457.1079	3457.1079

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE ENDI	DIST	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1135851.88	.0		931.94	-15689.92			
	1.2		931.94	-14571.59			
	2.4		931.94	-13453.26			
	3.6		931.94	-12334.93			
	4.8		931.94	-11216.60			

1 90328.04	.0		-3930.65	9700.73			
	1.2		-3930.65	4983.95			
	2.4		-3930.65	267.17			
	3.6		-3930.65	-4449.62			
	4.8		-3930.65	-9166.40			

1 30422.92	.0		-3892.51	14904.18			
	1.2		-3892.51	10233.17			
	2.4		-3892.51	5562.16			
	3.6		-3892.51	891.15			
	4.8		-3892.51	-3779.86			

1 -5795.70	.0		-10110.76	30149.55			
	1.2		-10110.76	18016.64			
	2.4		-10110.76	5883.73			
	3.6		-10110.76	-6249.18			
	4.8		-10110.76	-18382.09			

1*****	.0		21014.28	-74632.20			
	1.2		21014.28	-49415.07			
	2.4		21014.28	-24197.94			
	3.6		21014.28	1019.19			
	4.8		21014.28	26236.32			

5 1-78248.41	.0		7969.68	-11507.85			
	1.2		7969.68	-1944.23			
	2.4		7969.68	7619.39			
	3.6		7969.68	17183.01			
	4.8		7969.68	26746.62			

3 1-35993.24	.0		3001.91	2601.64			
	1.2		3001.91	6203.93			
	2.4		3001.91	9806.22			
	3.6		3001.91	13408.50			
	4.8		3001.91	17010.79			

1 1-14578.94	.0		-2249.89	9575.36			

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.2	-2249.89	6875.48			
		2.4	-2249.89	4175.61			
		3.6	-2249.89	1475.74			
		4.8	-2249.89	-1224.13			

1*****		.0	21531.18	-60060.99			
		1.2	21531.18	-34223.58			
		2.4	21531.18	-8386.17			
		3.6	21531.18	17451.24			
		4.8	21531.18	43288.65			

1*****		.0	9194.45	-15458.94			
		1.2	9194.45	-4425.59			
		2.4	9194.45	6607.75			
		3.6	9194.45	17641.09			
		4.8	9194.45	28674.43			

1-42012.47		.0	9590.69	-19610.17			
		1.2	9590.69	-8101.35			
		2.4	9590.69	3407.48			
		3.6	9590.69	14916.31			
		4.8	9590.69	26425.13			

1-10243.31		.0	5965.55	-14945.98			
		1.2	5965.55	-7787.32			
		2.4	5965.55	-628.67			
		3.6	5965.55	6529.99			
		4.8	5965.55	13688.64			

1 86502.16		.0	20215.23	-21207.60			
		2.7	8168.33	16400.61			
		5.3	-3878.57	22084.53			
		7.9	-15925.47	-4155.84			
		10.6	-27972.37	-62320.49			

1 51591.11		.0	21009.77	-24462.42			
		2.7	8962.87	15251.34			
		5.3	-3084.03	23040.81			
		7.9	-15130.93	-1094.01			
		10.6	-27177.83	-57153.10			

1-53958.58		.0	22766.95	-34133.91			
		2.7	10720.05	10236.37			
		5.3	-1326.85	22682.36			
		7.9	-13373.75	3204.07			

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE	AXIAL
		SHEAR	MOMENT	SHEAR	TORQ
	10.6	-25420.65	-48198.51		

1134648.54	.0	20950.77	-25166.21		
	2.7	8903.87	14391.20		
	5.3	-3143.03	22024.32		
	7.9	-15189.93	-2266.85		
	10.6	-27236.83	-58482.30		

1 73368.99	.0	22699.99	-33462.41		
	2.7	10653.09	10730.44		
	5.3	-1393.81	22999.00		
	7.9	-13440.71	3343.27		
	10.6	-25487.61	-48236.74		

1 13223.76	.0	24041.63	-40870.83		
	2.7	11994.73	6877.35		
	5.3	-52.17	22701.26		
	7.9	-12099.07	6600.87		
	10.6	-24145.97	-41423.80		

1-20564.55	.0	10802.56	-18408.71		
	2.7	5396.56	3055.12		
	5.3	-9.44	10193.05		
	7.9	-5415.44	3005.08		
	10.6	-10821.44	-18508.79		

1 -5965.55	.0	11380.69	-19716.81		
	2.7	5974.69	3279.08		
	5.3	568.69	11949.07		
	7.9	-4837.31	6293.16		
	10.6	-10243.31	-13688.64		

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ

1	97301.62					
	.0	88712.58	-261095.01			
	1.2	88712.58	-154639.92			
	2.4	88712.58	-48184.82			
	3.6	88712.58	58270.28			
	4.8	88712.58	164725.38			

	1105713.29					
	.0	-34257.06	123409.97			
	1.2	-34257.06	82301.50			
	2.4	-34257.06	41193.03			
	3.6	-34257.06	84.55			
	4.8	-34257.06	-41023.92			

1	27795.26					
	.0	1832.57	-6348.19			
	1.2	1832.57	-4149.10			
	2.4	1832.57	-1950.02			
	3.6	1832.57	249.07			
	4.8	1832.57	2448.15			

1	-5839.12					
	.0	-11250.77	34341.70			
	1.2	-11250.77	20840.77			
	2.4	-11250.77	7339.85			
	3.6	-11250.77	-6161.08			
	4.8	-11250.77	-19662.01			

	1*****					
	.0	206086.73	-596737.03			
	1.2	206086.73	-349432.96			
	2.4	206086.73	-102128.88			
	3.6	206086.73	145175.20			
	4.8	206086.73	392479.28			

1	-46470.48					
	.0	-54460.36	228642.28			
	1.2	-54460.36	163289.85			
	2.4	-54460.36	97937.41			
	3.6	-54460.36	32584.98			
	4.8	-54460.36	-32767.46			

3	1-41031.65					
	.0	13419.98	-37024.83			
	1.2	13419.98	-20920.85			
	2.4	13419.98	-4816.87			
	3.6	13419.98	11287.11			
	4.8	13419.98	27391.10			

1	1-13106.74					
	.0	-4061.57	16475.82			

3a Statis Portal (4 lantai) Kg/m

M E M B E R E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
	1.2	-4061.57	11601.94			
	2.4	-4061.57	6728.05			
	3.6	-4061.57	1854.17			
	4.8	-4061.57	-3019.71			

1*****						
	.0	105230.69	-295680.71			
	1.2	105230.69	-169403.88			
	2.4	105230.69	-43127.06			
	3.6	105230.69	83149.77			
	4.8	105230.69	209426.59			

1-94076.98						
	.0	-16979.00	87015.60			
	1.2	-16979.00	66640.79			
	2.4	-16979.00	46265.99			
	3.6	-16979.00	25891.18			
	4.8	-16979.00	5516.37			

1-43520.46						
	.0	13078.69	-33471.27			
	1.2	13078.69	-17776.84			
	2.4	13078.69	-2082.42			
	3.6	13078.69	13612.00			
	4.8	13078.69	29306.43			

1-10168.54						
	.0	5589.58	-13428.18			
	1.2	5589.58	-6720.69			
	2.4	5589.58	-13.20			
	3.6	5589.58	6694.30			
	4.8	5589.58	13401.79			

3 1 60759.64						
	.0	8411.67	41315.41			
	2.7	-3635.23	47644.19			
	5.3	-15682.13	22048.69			
	7.9	-27729.03	-35471.09			
	10.6	-39775.93	-124915.16			

5 1 59906.74						
	.0	23025.04	-35342.82			
	2.7	10978.14	9711.39			
	5.3	-1068.76	22841.32			
	7.9	-13115.66	4046.97			
	10.6	-25162.56	-46671.67			

7 1-53042.56						
	.0	22393.93	-32060.07			
	2.7	10347.03	11321.71			
	5.3	-1699.87	22779.20			
	7.9	-13746.77	2312.41			

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
		10.6	-25793.67	-50078.67			

1	98774.37	.0	9086.45	37747.71			
		2.7	-2960.45	45864.65			
		5.3	-15007.35	22057.31			
		7.9	-27054.25	-33674.32			
		10.6	-39101.15	-121330.23			

1	89331.35	.0	24469.12	-43028.16			
		2.7	12422.22	5852.86			
		5.3	375.32	22809.60			
		7.9	-11671.58	7842.05			
		10.6	-23718.48	-39049.79			

1	12234.63	.0	23762.36	-39260.54			
		2.7	11715.46	7747.57			
		5.3	-331.44	22831.40			
		7.9	-12378.34	5990.94			
		10.6	-24425.24	-42773.80			

1	-21251.75	.0	11046.04	-19695.53			
		2.7	5640.04	2413.52			
		5.3	234.04	10196.68			
		7.9	-5171.96	3653.93			
		10.6	-10577.96	-17214.71			

1	-5589.58	.0	11455.46	-20222.45			
		2.7	6049.46	2971.57			
		5.3	643.46	11839.68			
		7.9	-4762.54	6381.90			
		10.6	-10168.54	-13401.79			

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR MOMENT		1-3 PLANE SHEAR MOMENT	AXIAL TORQ
1	80761.55	.0	94914.21	-358771.65	
		1.2	94914.21	-244874.60	
		2.4	94914.21	-130977.55	
		3.6	94914.21	-17080.50	
		4.8	94914.21	96816.55	
1	55503.93	.0	71903.58	-103679.61	
		1.2	71903.58	-17395.32	
		2.4	71903.58	68888.97	
		3.6	71903.58	155173.26	
		4.8	71903.58	241457.55	
1	59356.51	.0	-47019.09	175935.42	
		1.2	-47019.09	119512.51	
		2.4	-47019.09	63089.60	
		3.6	-47019.09	6666.69	
		4.8	-47019.09	-49756.22	
1	-7498.49	.0	-1434.59	-1130.30	
		1.2	-1434.59	-2851.82	
		2.4	-1434.59	-4573.33	
		3.6	-1434.59	-6294.85	
		4.8	-1434.59	-8016.36	
1	*****	.0	204625.30	-778899.17	
		1.2	204625.30	-533348.81	
		2.4	204625.30	-287798.45	
		3.6	204625.30	-42248.09	
		4.8	204625.30	203302.26	
1	*****	.0	172209.38	-258405.17	
		1.2	172209.38	-51753.91	
		2.4	172209.38	154897.35	
		3.6	172209.38	361548.60	
		4.8	172209.38	568199.86	
1	3409.90	.0	-88421.87	355951.34	
		1.2	-88421.87	249845.10	
		2.4	-88421.87	143738.86	
		3.6	-88421.87	37632.62	
		4.8	-88421.87	-68473.62	
1	-25268.27	.0	12934.88	-47238.59	

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.2	12934.88	-31716.73			
		2.4	12934.88	-16194.88			
		3.6	12934.88	-673.02			
		4.8	12934.88	14848.83			

	1*****	.0	98318.49	-361494.75			
		1.2	98318.49	-243512.55			
		2.4	98318.49	-125530.36			
		3.6	98318.49	-7548.17			
		4.8	98318.49	110434.02			

	1*****	.0	91544.04	-150236.35			
		1.2	91544.04	-40383.50			
		2.4	91544.04	69469.36			
		3.6	91544.04	179322.21			
		4.8	91544.04	289175.06			

	1-30455.80	.0	-32173.61	142972.59			
		1.2	-32173.61	104364.25			
		2.4	-32173.61	65755.92			
		3.6	-32173.61	27147.58			
		4.8	-32173.61	-11460.75			

	1-11455.68	.0	12026.74	-38234.24			
		1.2	12026.74	-23802.15			
		2.4	12026.74	-9370.06			
		3.6	12026.74	5062.03			
		4.8	12026.74	19494.12			

	1-39190.37	.0	-25257.61	200496.16			
		2.7	-34588.26	121200.38			
		5.3	-43918.91	17178.37			
		7.9	-53249.56	-111569.87			
		10.6	-62580.21	-265044.32			

	1 -6774.45	.0	-24483.37	196663.11			
		2.7	-33814.02	119419.07			
		5.3	-43144.67	17448.82			
		7.9	-52475.32	-109247.67			
		10.6	-61805.97	-260670.37			

	1 -5480.33	.0	3852.58	65522.13			
		2.7	-8194.32	59769.33			
		5.3	-20241.22	22092.24			
		7.9	-32288.12	-47509.13			

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
	10.6	-44335.02	-149034.78			

1-31669.22	.0	25577.61	-49258.81			
	2.7	13530.71	2559.71			
	5.3	1483.81	22453.94			
	7.9	-10563.09	10423.88			
	10.6	-22609.99	-33530.45			

1 51457.64	.0	4597.93	61788.66			
	2.7	-7448.97	58011.03			
	5.3	-19495.87	22309.11			
	7.9	-31542.77	-45317.10			
	10.6	-43589.67	-144867.59			

1 38883.66	.0	26749.65	-55165.14			
	2.7	14702.75	-240.72			
	5.3	2655.85	22759.41			
	7.9	-9391.05	13835.26			
	10.6	-21437.95	-27013.18			

1-19644.93	.0	8961.88	-7989.91			
	2.7	3555.88	8596.12			
	5.3	-1850.12	10856.26			
	7.9	-7256.12	-1209.51			
	10.6	-12662.12	-27601.17			

1-12026.74	.0	10168.32	-12671.13			
	2.7	4762.32	7111.97			
	5.3	-643.68	12569.17			
	7.9	-6049.68	3700.48			
	10.6	-11455.68	-19494.12			

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE ENDI	DIST	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1184738.99							
	.0		114069.09	-466968.85			
	1.2		114069.09	-330085.94			
	2.4		114069.09	-193203.03			
	3.6		114069.09	-56320.13			
	4.8		114069.09	80562.78			

1138344.13							
	.0		94078.68	-231826.84			
	1.2		94078.68	-118932.43			
	2.4		94078.68	-6038.01			
	3.6		94078.68	106856.40			
	4.8		94078.68	219750.81			

1 89861.48							
	.0		91696.63	-103176.98			
	1.2		91696.63	6858.97			
	2.4		91696.63	116894.93			
	3.6		91696.63	226930.88			
	4.8		91696.63	336966.83			

1 87320.73							
	.0		-62830.88	237304.08			
	1.2		-62830.88	161907.03			
	2.4		-62830.88	86509.97			
	3.6		-62830.88	11112.92			
	4.8		-62830.88	-64284.13			

1*****							
	.0		244303.16	-1014260.02			
	1.2		244303.16	-721096.22			
	2.4		244303.16	-427932.43			
	3.6		244303.16	-134768.63			
	4.8		244303.16	158395.17			

1*****							
	.0		212148.97	-526530.60			
	1.2		212148.97	-271951.84			
	2.4		212148.97	-17373.08			
	3.6		212148.97	237205.68			
	4.8		212148.97	491784.44			

1-82783.65							
	.0		203442.74	-219279.39			
	1.2		203442.74	24851.90			
	2.4		203442.74	268983.19			
	3.6		203442.74	513114.48			
	4.8		203442.74	757245.77			

1 73621.77							
	.0		-120636.48	478531.11			

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.2	-120636.48	333767.34			
		2.4	-120636.48	189003.57			
		3.6	-120636.48	44239.80			
		4.8	-120636.48	-100523.97			

1*****							
		.0	118963.75	-471638.59			
		1.2	118963.75	-328882.09			
		2.4	118963.75	-186125.60			
		3.6	118963.75	-43369.10			
		4.8	118963.75	99387.40			

1*****							
		.0	108749.36	-271079.21			
		1.2	108749.36	-140579.98			
		2.4	108749.36	-10080.75			
		3.6	108749.36	120418.48			
		4.8	108749.36	250917.70			

1*****							
		.0	107358.63	-135502.63			
		1.2	107358.63	-6672.27			
		2.4	107358.63	122158.08			
		3.6	107358.63	250988.44			
		4.8	107358.63	379818.79			

1	-546.32						
		.0	-49881.69	201658.35			
		1.2	-49881.69	141800.32			
		2.4	-49881.69	81942.29			
		3.6	-49881.69	22084.26			
		4.8	-49881.69	-37773.77			

1-42368.59							
		.0	-46394.85	312389.62			
		2.7	-55725.50	177080.14			
		5.3	-65056.15	17044.44			
		7.9	-74386.80	-167717.48			
		10.6	-83717.45	-377205.62			

1-10096.95							
		.0	-48482.65	322927.80			
		2.7	-57813.30	182085.67			
		5.3	-67143.95	16517.32			
		7.9	-76474.60	-173777.26			
		10.6	-85805.25	-388798.06			

1-10214.39							
		.0	-45318.58	307720.15			
		2.7	-54649.23	175262.79			
		5.3	-63979.88	18079.22			
		7.9	-73310.53	-163830.58			

Statis Portal (4 lantai) Kg/m

M E M B E R E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		10.6	-82641.18	-370466.60		

1	-1390.73					
		.0	-48195.88	322265.77		
		2.7	-57526.53	182183.58		
		5.3	-66857.18	17375.17		
		7.9	-76187.83	-172159.47		
		10.6	-85518.48	-386420.33		

1	-32651.49					
		.0	-2540.76	99662.76		
		2.7	-14587.66	76967.61		
		5.3	-26634.56	22348.18		
		7.9	-38681.46	-64195.53		
		10.6	-50728.36	-182663.53		

1	55421.73					
		.0	-1437.72	94213.06		
		2.7	-13484.62	74440.95		
		5.3	-25531.52	22744.56		
		7.9	-37578.42	-60876.12		
		10.6	-49625.32	-176421.08		

1	-42143.88					
		.0	19794.06	-65034.01		
		2.7	14388.06	-19742.70		
		5.3	8982.06	11222.71		
		7.9	3576.06	27862.22		
		10.6	-1829.94	30175.83		

1	49881.69					
		.0	21077.68	-71042.49		
		2.7	15671.68	-22349.58		
		5.3	10265.68	12017.44		
		7.9	4859.68	32058.55		
		10.6	-546.32	37773.77		

a Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	75131.81					
	.0	92713.25	-376251.70			
	1.2	92713.25	-264995.79			
	2.4	92713.25	-153739.89			
	3.6	92713.25	-42483.99			
	4.8	92713.25	68771.91			

1	42277.42					
	.0	74557.07	-172320.39			
	1.2	74557.07	-82851.91			
	2.4	74557.07	6616.57			
	3.6	74557.07	96085.05			
	4.8	74557.07	185553.54			

1	11687.36					
	.0	46574.10	-43325.72			
	1.2	46574.10	12563.20			
	2.4	46574.10	68452.12			
	3.6	46574.10	124341.03			
	4.8	46574.10	180229.95			

1	4128.28					
	.0	-3282.45	73981.42			
	1.2	-3282.45	70042.48			
	2.4	-3282.45	66103.54			
	3.6	-3282.45	62164.60			
	4.8	-3282.45	58225.66			

1	*****					
	.0	201948.41	-820929.69			
	1.2	201948.41	-578591.60			
	2.4	201948.41	-336253.50			
	3.6	201948.41	-93915.40			
	4.8	201948.41	148422.70			

1	-97767.70					
	.0	168481.76	-391117.03			
	1.2	168481.76	-188938.92			
	2.4	168481.76	13239.19			
	3.6	168481.76	215417.30			
	4.8	168481.76	417595.41			

1	-59361.73					
	.0	103424.38	-99304.51			
	1.2	103424.38	24804.75			
	2.4	103424.38	148914.01			
	3.6	103424.38	273023.26			
	4.8	103424.38	397132.52			

1	-21579.36					
	.0	8866.87	120973.86			

Sta Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.2	8866.87	131614.11			
		2.4	8866.87	142254.36			
		3.6	8866.87	152894.61			
		4.8	8866.87	163534.86			

1*****		.0	98857.33	-382723.77			
		1.2	98857.33	-264094.97			
		2.4	98857.33	-145466.17			
		3.6	98857.33	-26837.37			
		4.8	98857.33	91791.43			

1*****		.0	88050.17	-205726.38			
		1.2	88050.17	-100066.17			
		2.4	88050.17	5594.04			
		3.6	88050.17	111254.25			
		4.8	88050.17	216914.45			

1-70218.83		.0	56229.52	-69951.25			
		1.2	56229.52	-2475.83			
		2.4	56229.52	64999.60			
		3.6	56229.52	132475.02			
		4.8	56229.52	199950.44			

1-25796.91		.0	13351.58	31358.93			
		1.2	13351.58	47380.82			
		2.4	13351.58	63402.71			
		3.6	13351.58	79424.60			
		4.8	13351.58	95446.50			

1-44273.82		.0	-32854.39	241092.30			
		2.7	-42185.04	141665.05			
		5.3	-51515.69	17511.58			
		7.9	-60846.34	-131368.11			
		10.6	-70176.99	-304974.02			

1-96878.03		.0	-30590.05	228879.26			
		2.7	-39920.70	135452.51			
		5.3	-49251.35	17299.55			
		7.9	-58582.00	-125579.64			
		10.6	-67912.65	-293185.06			

1*****		.0	-7559.09	106248.53			
		2.7	-16889.74	73853.84			
		5.3	-26220.39	16732.92			
		7.9	-35551.04	-65114.23			

sa Statis Portal (4 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		10.6	-44881.69	-171687.59		

1-10807.16		.0	-31535.26	234565.70		
		2.7	-40865.91	138634.16		
		5.3	-50196.56	17976.39		
		7.9	-59527.21	-127407.60		
		10.6	-68857.86	-297517.81		

1-31820.65		.0	-29506.68	223714.87		
		2.7	-38837.33	133159.06		
		5.3	-48167.98	17877.03		
		7.9	-57498.63	-122131.23		
		10.6	-66829.28	-286865.70		

1-42877.94		.0	-7099.32	104471.07		
		2.7	-16429.97	73294.76		
		5.3	-25760.62	17392.23		
		7.9	-35091.27	-63236.53		
		10.6	-44421.92	-168591.51		

1-22218.45		.0	-4128.28	58225.66		
		2.7	-9534.28	40122.78		
		5.3	-14940.28	7694.00		
		7.9	-20346.28	-39060.68		
		10.6	-25752.28	-100141.26		

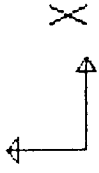
1-13351.58		.0	-4172.91	63393.60		
		2.7	-9578.91	45172.42		
		5.3	-14984.91	12625.35		
		7.9	-20390.91	-34247.62		
		10.6	-25796.91	-95446.50		

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STRUCTURAL ANALYSIS PROGRAMS

VERSION 5.20

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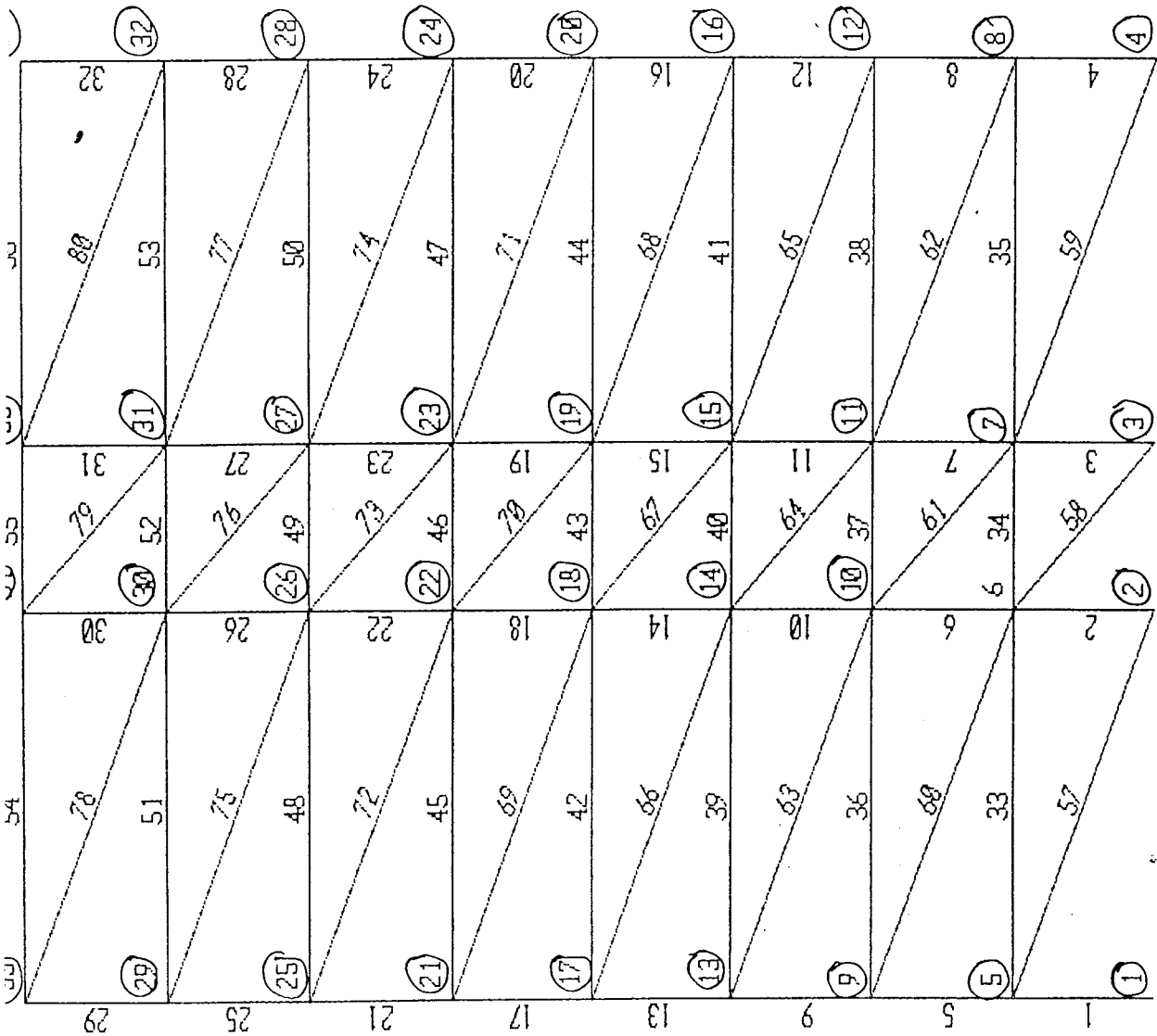


αS-2

UNDEFORMED
SHAPE

OPTIONS
JOINT IDS
ELEMENT IDS
WIRE FRAME

SAP90



a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
1	-6568.34	.0	-405.19	-5427.48		
		.8	-405.19	-5731.37		
		1.5	-405.19	-6035.26		
		2.3	-405.19	-6339.15		
		3.0	-405.19	-6643.04		
1	-4092.36	.0	-2345.70	2212.45		
		.8	-2345.70	453.18		
		1.5	-2345.70	-1306.10		
		2.3	-2345.70	-3065.37		
		3.0	-2345.70	-4824.64		
1	-6086.59	.0	-2342.34	3248.48		
		.8	-2342.34	1491.72		
		1.5	-2342.34	-265.03		
		2.3	-2342.34	-2021.79		
		3.0	-2342.34	-3778.55		
1	-8505.37	.0	-2656.73	4375.04		
		.8	-2656.73	2382.49		
		1.5	-2656.73	389.94		
		2.3	-2656.73	-1602.60		
		3.0	-2656.73	-3595.15		
1-10034.84		.0	-2923.04	5097.90		
		.8	-2923.04	2905.61		
		1.5	-2923.04	713.33		
		2.3	-2923.04	-1478.95		
		3.0	-2923.04	-3671.23		
1-10032.56		.0	-3210.11	5784.29		
		.8	-3210.11	3376.71		
		1.5	-3210.11	969.13		
		2.3	-3210.11	-1438.45		
		3.0	-3210.11	-3846.03		
1	-8005.07	.0	-3377.55	6548.92		
		.8	-3377.55	4015.76		
		1.5	-3377.55	1482.60		
		2.3	-3377.55	-1050.56		
		3.0	-3377.55	-3583.72		
1	-3280.91	.0	-5019.61	8045.82		

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.8	-5019.61	4281.11			
		1.5	-5019.61	516.41			
		2.3	-5019.61	-3248.30			
		3.0	-5019.61	-7013.00			

	1-52809.32	.0	7129.79	-14690.53			
		.8	7129.79	-9343.13			
		1.5	7129.79	-3995.84			
		2.3	7129.79	1351.51			
		3.0	7129.79	6698.85			

	1-50563.96	.0	6487.81	-10650.40			
		.8	6487.81	-5784.54			
		1.5	6487.81	-918.69			
		2.3	6487.81	3947.17			
		3.0	6487.81	8813.03			

	1-50101.75	.0	6125.19	-9121.35			
		.8	6125.19	-4527.46			
		1.5	6125.19	66.43			
		2.3	6125.19	4660.33			
		3.0	6125.19	9254.22			

	1-46501.64	.0	5762.13	-8168.55			
		.8	5762.13	-3846.95			
		1.5	5762.13	474.65			
		2.3	5762.13	4796.25			
		3.0	5762.13	9117.85			

3	1-40515.89	.0	5386.52	-7333.42			
		.8	5386.52	-3293.53			
		1.5	5386.52	746.36			
		2.3	5386.52	4786.26			
		3.0	5386.52	8826.15			

2	1-32343.69	.0	4933.04	-6395.06			
		.8	4933.04	-2695.28			
		1.5	4933.04	1004.50			
		2.3	4933.04	4704.28			
		3.0	4933.04	8404.06			

5	1-21976.03	.0	4326.10	-5325.87			
		.8	4326.10	-2081.30			
		1.5	4326.10	1163.27			
		2.3	4326.10	4407.84			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 3.0	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
			4326.10	7652.41		

1	-9102.75					
		.0	3577.48	-4333.15		
		.8	3577.48	-1650.04		
		1.5	3577.48	1033.07		
		2.3	3577.48	3716.18		
		3.0	3577.48	6399.29		

1	*****					
		.0	3997.66	-13046.47		
		.8	3997.66	-10048.22		
		1.5	3997.66	-7049.98		
		2.3	3997.66	-4051.73		
		3.0	3997.66	-1053.49		

1	*****					
		.0	-1276.33	2004.54		
		.8	-1276.33	1047.29		
		1.5	-1276.33	90.04		
		2.3	-1276.33	-867.20		
		3.0	-1276.33	-1824.45		

1	-83976.31					
		.0	-1218.65	2018.11		
		.8	-1218.65	1104.12		
		1.5	-1218.65	190.13		
		2.3	-1218.65	-723.86		
		3.0	-1218.65	-1637.85		

5	1-62384.07					
		.0	-1561.26	2857.67		
		.8	-1561.26	1686.73		
		1.5	-1561.26	515.79		
		2.3	-1561.26	-655.15		
		3.0	-1561.26	-1826.09		

9	1-43610.61					
		.0	-1904.67	3622.78		
		.8	-1904.67	2194.27		
		1.5	-1904.67	765.77		
		2.3	-1904.67	-662.74		
		3.0	-1904.67	-2091.25		

3	1-27682.22					
		.0	-2374.42	4564.68		
		.8	-2374.42	2783.86		
		1.5	-2374.42	1003.05		
		2.3	-2374.42	-777.77		
		3.0	-2374.42	-2558.59		

17	1-14969.28					

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-2927.51	5542.72			
		.8	-2927.51	3347.09			
		1.5	-2927.51	1151.45			
		2.3	-2927.51	-1044.18			
		3.0	-2927.51	-3239.82			

1	-5525.92						
		.0	-4178.67	6488.53			
		.8	-4178.67	3354.52			
		1.5	-4178.67	220.52			
		2.3	-4178.67	-2913.49			
		3.0	-4178.67	-6047.49			

	1*****						
		.0	11964.71	-23961.24			
		.8	11964.71	-14987.71			
		1.5	11964.71	-6014.17			
		2.3	11964.71	2959.36			
		3.0	11964.71	11932.90			

3	1*****						
		.0	5200.79	-6502.98			
		.8	5200.79	-2602.39			
		1.5	5200.79	1298.21			
		2.3	5200.79	5198.80			
		3.0	5200.79	9099.40			

2	1*****						
		.0	5878.66	-8474.08			
		.8	5878.66	-4065.08			
		1.5	5878.66	343.91			
		2.3	5878.66	4752.91			
		3.0	5878.66	9161.90			

6	1-78958.20						
		.0	5776.13	-8068.03			
		.8	5776.13	-3735.94			
		1.5	5776.13	596.16			
		2.3	5776.13	4928.25			
		3.0	5776.13	9260.35			

0	1-57191.86						
		.0	5523.86	-7403.05			
		.8	5523.86	-3260.16			
		1.5	5523.86	882.73			
		2.3	5523.86	5025.63			
		3.0	5523.86	9168.52			

4	1-37807.39						
		.0	5163.19	-6711.23			
		.8	5163.19	-2838.83			
		1.5	5163.19	1033.56			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	5163.19	4905.96			
		3.0	5163.19	8778.35			

1	-21202.12						
		.0	4931.55	-6184.00			
		.8	4931.55	-2485.34			
		1.5	4931.55	1213.32			
		2.3	4931.55	4911.99			
		3.0	4931.55	8610.65			

1	-6936.03						
		.0	4405.48	-5315.96			
		.8	4405.48	-2011.85			
		1.5	4405.48	1292.26			
		2.3	4405.48	4596.36			
		3.0	4405.48	7900.47			

1	16766.10						
		.0	10143.78	-8917.76			
		1.8	4508.78	3903.22			
		3.5	-1126.22	6862.96			
		5.3	-6761.22	-38.56			
		7.0	-12396.22	-16801.32			

1	21727.57						
		.0	9944.13	-8164.13			
		1.8	4309.13	4307.47			
		3.5	-1325.87	6917.81			
		5.3	-6960.87	-333.09			
		7.0	-12595.87	-17445.24			

1	20083.61						
		.0	9981.49	-8247.97			
		1.8	4346.49	4289.01			
		3.5	-1288.51	6964.75			
		5.3	-6923.51	-220.76			
		7.0	-12558.51	-17267.52			

1	15291.48						
		.0	10136.68	-8779.13			
		1.8	4501.68	4029.43			
		3.5	-1133.32	6976.75			
		5.3	-6768.32	62.81			
		7.0	-12403.32	-16712.38			

1	9213.12						
		.0	10352.07	-9528.33			
		1.8	4717.07	3657.17			
		3.5	-917.93	6981.42			
		5.3	-6552.93	444.43			
		7.0	-12187.93	-15953.82			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
1	1961.22	.0	10617.14	-10451.05			
		1.8	4982.14	3198.31			
		3.5	-652.86	6986.43			
		5.3	-6287.86	913.30			
		7.0	-11922.86	-15021.08			
1	-5100.42	.0	10950.42	-11662.77			
		1.8	5315.42	2569.85			
		3.5	-319.58	6941.21			
		5.3	-5954.58	1451.33			
		7.0	-11589.58	-13899.81			
1	13459.18	.0	1768.80	452.80			
		.8	66.30	1140.96			
		1.5	-1636.20	552.25			
		2.3	-3338.70	-1313.33			
		3.0	-5041.20	-4455.79			
1	19605.25	.0	1903.32	349.77			
		.8	200.82	1138.83			
		1.5	-1501.68	651.01			
		2.3	-3204.18	-1113.69			
		3.0	-4906.68	-4155.26			
1	15986.83	.0	2121.98	33.89			
		.8	419.48	986.94			
		1.5	-1283.02	663.12			
		2.3	-2985.52	-937.58			
		3.0	-4688.02	-3815.16			
1	10684.75	.0	2385.92	-357.99			
		.8	683.42	793.02			
		1.5	-1019.08	667.14			
		2.3	-2721.58	-735.60			
		3.0	-4424.08	-3415.22			
1	4923.26	.0	2682.06	-800.30			
		.8	979.56	572.81			
		1.5	-722.94	669.04			
		2.3	-2425.44	-511.60			
		3.0	-4127.94	-2969.11			
1	-1140.63	.0	3030.94	-1323.76			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	1328.44	311.01			
		1.5	-374.06	668.90			
		2.3	-2076.56	-250.08			
		3.0	-3779.06	-2445.94			

1	-6711.38						
		.0	3424.95	-1915.93			
		.8	1722.45	14.34			
		1.5	19.95	667.74			
		2.3	-1682.55	44.27			
		3.0	-3385.05	-1856.08			

1	25661.29						
		.0	9747.04	-7671.30			
		1.8	4112.04	4455.40			
		3.5	-1522.96	6720.84			
		5.3	-7157.96	-874.97			
		7.0	-12792.96	-18332.02			

1	29264.46						
		.0	9939.21	-8172.81			
		1.8	4304.21	4290.18			
		3.5	-1330.79	6891.92			
		5.3	-6965.79	-367.59			
		7.0	-12600.79	-17488.35			

1	25793.30						
		.0	10028.34	-8463.01			
		1.8	4393.34	4155.97			
		3.5	-1241.66	6913.70			
		5.3	-6876.66	-189.83			
		7.0	-12511.66	-17154.60			

1	21658.57						
		.0	10183.23	-8993.71			
		1.8	4548.23	3896.31			
		3.5	-1086.77	6925.08			
		5.3	-6721.77	92.60			
		7.0	-12356.77	-16601.14			

1	16504.13						
		.0	10397.63	-9727.56			
		1.8	4762.63	3537.67			
		3.5	-872.37	6941.64			
		5.3	-6507.37	484.36			
		7.0	-12142.37	-15834.16			

1	10757.26						
		.0	10653.30	-10618.08			
		1.8	5018.30	3094.57			
		3.5	-616.70	6945.96			
		5.3	-6251.70	936.10			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		7.0	-11886.70	-14935.00			
1	5687.51						
		.0	10942.52	-11621.58			
		1.8	5307.52	2597.19			
		3.5	-327.48	6954.72			
		5.3	-5962.48	1451.00			
		7.0	-11597.48	-13913.97			
1	-9859.04						
		.0	6662.33	-7034.63			
		1.8	3267.33	1653.83			
		3.5	-127.67	4401.04			
		5.3	-3522.67	1207.00			
		7.0	-6917.67	-7928.29			
1	-6440.39						
		.0	2019.44	-1507.21			
		.8	1126.94	-327.32			
		1.5	234.44	183.20			
		2.3	-658.06	24.34			
		3.0	-1550.56	-803.89			
1	-4405.48						
		.0	6643.97	-6878.23			
		1.8	3248.97	1778.09			
		3.5	-146.03	4493.15			
		5.3	-3541.03	1266.96			
		7.0	-6936.03	-7900.47			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-11507.42						
		.0	17270.03	-38371.40			
		.8	17270.03	-25418.88			
		1.5	17270.03	-12466.36			
		2.3	17270.03	486.16			
		3.0	17270.03	13438.68			

1	-2817.15						
		.0	-7794.74	17207.34			
		.8	-7794.74	11361.28			
		1.5	-7794.74	5515.23			
		2.3	-7794.74	-330.83			
		3.0	-7794.74	-6176.88			

1	-7152.89						
		.0	-1980.90	2289.37			
		.8	-1980.90	803.69			
		1.5	-1980.90	-681.99			
		2.3	-1980.90	-2167.66			
		3.0	-1980.90	-3653.34			

1	-9227.04						
		.0	-2716.48	4521.48			
		.8	-2716.48	2484.12			
		1.5	-2716.48	446.76			
		2.3	-2716.48	-1590.60			
		3.0	-2716.48	-3627.96			

1	-10614.60						
		.0	-2943.95	5130.15			
		.8	-2943.95	2922.19			
		1.5	-2943.95	714.22			
		2.3	-2943.95	-1493.74			
		3.0	-2943.95	-3701.71			

1	-10429.52						
		.0	-3233.19	5814.95			
		.8	-3233.19	3390.05			
		1.5	-3233.19	965.16			
		2.3	-3233.19	-1459.74			
		3.0	-3233.19	-3884.64			

5	-8241.25						
		.0	-3395.91	6563.60			
		.8	-3395.91	4016.67			
		1.5	-3395.91	1469.74			
		2.3	-3395.91	-1077.19			
		3.0	-3395.91	-3624.12			

9	-3381.10						
		.0	-5029.84	8046.77			

sa Stasis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-5029.84	4274.39			
		1.5	-5029.84	502.01			
		2.3	-5029.84	-3270.37			
		3.0	-5029.84	-7042.75			

1-72799.24		.0	26881.74	-50312.84			
		.8	26881.74	-30151.53			
		1.5	26881.74	-9990.23			
		2.3	26881.74	10171.08			
		3.0	26881.74	30332.38			

1-45016.73		.0	712.34	4553.09			
		.8	712.34	5087.35			
		1.5	712.34	5621.61			
		2.3	712.34	6155.87			
		3.0	712.34	6690.13			

1-49586.93		.0	6660.40	-10513.57			
		.8	6660.40	-5518.27			
		1.5	6660.40	-522.97			
		2.3	6660.40	4472.34			
		3.0	6660.40	9467.64			

1-46052.60		.0	5691.76	-7988.12			
		.8	5691.76	-3719.30			
		1.5	5691.76	549.52			
		2.3	5691.76	4818.34			
		3.0	5691.76	9087.16			

1-40192.55		.0	5358.16	-7292.10			
		.8	5358.16	-3273.48			
		1.5	5358.16	745.14			
		2.3	5358.16	4763.75			
		3.0	5358.16	8782.37			

1-32095.41		.0	4913.76	-6374.94			
		.8	4913.76	-2689.62			
		1.5	4913.76	995.71			
		2.3	4913.76	4681.03			
		3.0	4913.76	8366.35			

1-21826.48		.0	4310.48	-5312.24			
		.8	4310.48	-2079.38			
		1.5	4310.48	1153.47			
		2.3	4310.48	4386.33			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 3.0	1-2 PLANE SHEAR 4310.48	MOMENT 7619.19	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-9048.77						
		.0	3569.02	-4330.05			
		.8	3569.02	-1653.29			
		1.5	3569.02	1023.47			
		2.3	3569.02	3700.24			
		3.0	3569.02	6377.00			

	1*****						
		.0	24020.29	-49048.59			
		.8	24020.29	-31033.37			
		1.5	24020.29	-13018.15			
		2.3	24020.29	4997.07			
		3.0	24020.29	23012.29			

7	1*****						
		.0	-7278.21	17570.39			
		.8	-7278.21	12111.73			
		1.5	-7278.21	6653.08			
		2.3	-7278.21	1194.42			
		3.0	-7278.21	-4264.23			

1	1-84334.53						
		.0	-458.42	201.32			
		.8	-458.42	-142.49			
		1.5	-458.42	-486.30			
		2.3	-458.42	-830.11			
		3.0	-458.42	-1173.93			

5	1-62236.39						
		.0	-1711.46	3227.47			
		.8	-1711.46	1943.88			
		1.5	-1711.46	660.29			
		2.3	-1711.46	-623.31			
		3.0	-1711.46	-1906.90			

9	1-43517.60						
		.0	-1888.45	3567.47			
		.8	-1888.45	2151.14			
		1.5	-1888.45	734.80			
		2.3	-1888.45	-681.53			
		3.0	-1888.45	-2097.86			

3	1-27637.02						
		.0	-2374.42	4557.84			
		.8	-2374.42	2777.02			
		1.5	-2374.42	996.21			
		2.3	-2374.42	-784.60			
		3.0	-2374.42	-2565.41			

7	1-14948.31						

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDE	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-2921.51	5527.16			
		.8	-2921.51	3336.02			
		1.5	-2921.51	1144.89			
		2.3	-2921.51	-1046.25			
		3.0	-2921.51	-3237.39			

1	-5491.80						
		.0	-4169.00	6474.92			
		.8	-4169.00	3348.17			
		1.5	-4169.00	221.43			
		2.3	-4169.00	-2905.32			
		3.0	-4169.00	-6032.07			

	1*****						
		.0	28591.94	-55364.01			
		.8	28591.94	-33920.06			
		1.5	28591.94	-12476.10			
		2.3	28591.94	8967.85			
		3.0	28591.94	30411.81			

	1*****						
		.0	860.05	6628.11			
		.8	860.05	7273.15			
		1.5	860.05	7918.18			
		2.3	860.05	8563.22			
		3.0	860.05	9208.25			

	1*****						
		.0	5658.94	-8144.81			
		.8	5658.94	-3900.61			
		1.5	5658.94	343.60			
		2.3	5658.94	4587.80			
		3.0	5658.94	8832.01			

	1-79045.07						
		.0	5883.68	-8362.97			
		.8	5883.68	-3950.21			
		1.5	5883.68	462.55			
		2.3	5883.68	4875.30			
		3.0	5883.68	9288.06			

	1-57275.70						
		.0	5511.14	-7375.76			
		.8	5511.14	-3242.40			
		1.5	5511.14	890.95			
		2.3	5511.14	5024.31			
		3.0	5511.14	9157.67			

	1-37878.85						
		.0	5166.43	-6725.46			
		.8	5166.43	-2850.64			
		1.5	5166.43	1024.18			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	5166.43	4899.00			
		3.0	5166.43	8773.83			

1	-21243.61						
		.0	4939.97	-6198.56			
		.8	4939.97	-2493.58			
		1.5	4939.97	1211.40			
		2.3	4939.97	4916.38			
		3.0	4939.97	8621.36			

1	-6939.05						
		.0	4409.36	-5317.85			
		.8	4409.36	-2010.83			
		1.5	4409.36	1296.20			
		2.3	4409.36	4603.22			
		3.0	4409.36	7910.24			

1	22274.76						
		.0	8690.27	-3768.66			
		1.8	3055.27	6508.69			
		3.5	-2579.73	6924.80			
		5.3	-8214.73	-2520.35			
		7.0	-13849.73	-21826.75			

1	21690.14						
		.0	10070.12	-8583.08			
		1.8	4435.12	4109.02			
		3.5	-1199.88	6939.86			
		5.3	-6834.88	-90.55			
		7.0	-12469.88	-16982.20			

1	19782.32						
		.0	9985.89	-8265.75			
		1.8	4350.89	4278.94			
		3.5	-1284.11	6962.38			
		5.3	-6919.11	-215.44			
		7.0	-12554.11	-17254.50			

1	15055.86						
		.0	10155.08	-8843.37			
		1.8	4520.08	3997.41			
		3.5	-1114.92	6976.93			
		5.3	-6749.92	95.20			
		7.0	-12384.92	-16647.78			

1	8943.46						
		.0	10369.19	-9588.35			
		1.8	4734.19	3627.10			
		3.5	-900.81	6981.31			
		5.3	-6535.81	474.26			
		7.0	-12170.81	-15894.04			

sa Statis Portal (8 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	

1	1753.33						
		.0	10631.85	-10503.33			
		1.8	4996.85	3171.78			
		3.5	-638.15	6985.63			
		5.3	-6273.15	938.24			
		7.0	-11908.15	-14970.41			

1	-5238.49						
		.0	10961.91	-11703.33			
		1.8	5326.91	2549.38			
		3.5	-308.09	6940.85			
		5.3	-5943.09	1471.06			
		7.0	-11578.09	-13859.98			

1	14914.18						
		.0	-473.09	3818.20			
		.8	-2175.59	2824.95			
		1.5	-3878.09	554.82			
		2.3	-5580.59	-2992.18			
		3.0	-7283.09	-7816.06			

1	18773.65						
		.0	2098.37	61.99			
		.8	395.87	997.33			
		1.5	-1306.63	655.80			
		2.3	-3009.13	-962.61			
		3.0	-4711.63	-3857.89			

1	16485.04						
		.0	2086.62	83.21			
		.8	384.12	1009.74			
		1.5	-1318.38	659.39			
		2.3	-3020.88	-967.83			
		3.0	-4723.38	-3871.93			

1	10740.52						
		.0	2392.77	-365.18			
		.8	690.27	790.97			
		1.5	-1012.23	670.23			
		2.3	-2714.73	-727.37			
		3.0	-4417.23	-3401.86			

1	4898.81						
		.0	2684.11	-803.19			
		.8	981.61	571.46			
		1.5	-720.89	669.22			
		2.3	-2423.39	-509.89			
		3.0	-4125.89	-2965.87			

1	-1102.52						
		.0	3031.11	-1323.64			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	1328.61	311.25			
		1.5	-373.89	669.27			
		2.3	-2076.39	-249.59			
		3.0	-3778.89	-2445.32			

1	-6652.84						
		.0	3422.74	-1911.92			
		.8	1720.24	16.69			
		1.5	17.74	668.43			
		2.3	-1684.76	43.30			
		3.0	-3387.26	-1858.72			

1	15095.37						
		.0	8258.20	-2530.28			
		1.8	2623.20	6990.94			
		3.5	-3011.80	6650.92			
		5.3	-8646.80	-3550.35			
		7.0	-14281.80	-23612.87			

1	32166.66						
		.0	10019.82	-8516.79			
		1.8	4384.82	4087.26			
		3.5	-1250.18	6830.07			
		5.3	-6885.18	-288.38			
		7.0	-12520.18	-17268.08			

1	26035.57						
		.0	10028.22	-8428.71			
		1.8	4393.22	4190.06			
		3.5	-1241.78	6947.58			
		5.3	-6876.78	-156.15			
		7.0	-12511.78	-17121.13			

4	21548.78						
		.0	10184.72	-9004.45			
		1.8	4549.72	3888.19			
		3.5	-1085.28	6919.58			
		5.3	-6720.28	89.72			
		7.0	-12355.28	-16601.39			

7	16546.65						
		.0	10396.67	-9724.16			
		1.8	4761.67	3539.39			
		3.5	-873.33	6941.69			
		5.3	-6508.33	482.74			
		7.0	-12143.33	-15837.46			

0	10825.92						
		.0	10650.58	-10608.87			
		1.8	5015.58	3099.02			
		3.5	-619.42	6945.65			
		5.3	-6254.42	931.04			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		7.0	-11889.42	-14944.83			

1	5764.10						
		.0	10938.88	-11608.49			
		1.8	5303.88	2603.91			
		3.5	-331.12	6955.07			
		5.3	-5966.12	1444.98			
		7.0	-11601.12	-13926.36			

1	-9987.01						
		.0	6670.76	-7063.80			
		1.8	3275.76	1639.40			
		3.5	-119.24	4401.35			
		5.3	-3514.24	1222.06			
		7.0	-6909.24	-7898.49			

5	-6535.08						
		.0	2015.71	-1499.91			
		.8	1123.21	-322.81			
		1.5	230.71	184.91			
		2.3	-661.79	23.26			
		3.0	-1554.29	-807.77			

6	-4409.36						
		.0	6640.95	-6866.90			
		1.8	3245.95	1784.14			
		3.5	-149.05	4493.93			
		5.3	-3544.05	1262.47			
		7.0	-6939.05	-7910.24			

Sta Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-14718.33		.0	20566.63	-61144.56			
		.8	20566.63	-45719.58			
		1.5	20566.63	-30294.60			
		2.3	20566.63	-14869.63			
		3.0	20566.63	555.35			

1-10119.08		.0	14409.96	-10134.53			
		.8	14409.96	672.94			
		1.5	14409.96	11480.40			
		2.3	14409.96	22287.87			
		3.0	14409.96	33095.34			

1 -2871.39		.0	-13077.93	31836.54			
		.8	-13077.93	22028.10			
		1.5	-13077.93	12219.65			
		2.3	-13077.93	2411.21			
		3.0	-13077.93	-7397.24			

1 -9990.21		.0	-1602.21	1627.05			
		.8	-1602.21	425.39			
		1.5	-1602.21	-776.26			
		2.3	-1602.21	-1977.91			
		3.0	-1602.21	-3179.57			

1-10989.84		.0	-3052.06	5473.61			
		.8	-3052.06	3184.56			
		1.5	-3052.06	895.51			
		2.3	-3052.06	-1393.54			
		3.0	-3052.06	-3682.59			

1-10787.22		.0	-3255.60	5869.22			
		.8	-3255.60	3427.52			
		1.5	-3255.60	985.82			
		2.3	-3255.60	-1455.88			
		3.0	-3255.60	-3897.58			

1 -8456.99		.0	-3419.07	6596.31			
		.8	-3419.07	4032.01			
		1.5	-3419.07	1467.70			
		2.3	-3419.07	-1096.60			
		3.0	-3419.07	-3660.91			

1 -3474.40		.0	-5040.54	8049.64			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-5040.54	4269.24			
		1.5	-5040.54	488.84			
		2.3	-5040.54	-3291.57			
		3.0	-5040.54	-7071.97			

	1-77781.98	.0	27897.48	-68330.40			
		.8	27897.48	-47407.29			
		1.5	27897.48	-26484.17			
		2.3	27897.48	-5561.06			
		3.0	27897.48	15362.05			

	1-67513.09	.0	29377.24	-34072.18			
		.8	29377.24	-12039.25			
		1.5	29377.24	9993.68			
		2.3	29377.24	32026.60			
		3.0	29377.24	54059.53			

	1-37359.79	.0	-4944.81	20030.43			
		.8	-4944.81	16321.82			
		1.5	-4944.81	12613.22			
		2.3	-4944.81	8904.61			
		3.0	-4944.81	5196.01			

	1-45453.85	.0	6849.55	-10897.81			
		.8	6849.55	-5760.65			
		1.5	6849.55	-623.48			
		2.3	6849.55	4513.68			
		3.0	6849.55	9650.85			

	1-39646.72	.0	5246.05	-6948.81			
		.8	5246.05	-3014.28			
		1.5	5246.05	920.26			
		2.3	5246.05	4854.79			
		3.0	5246.05	8789.33			

	1-31728.19	.0	4888.30	-6331.36			
		.8	4888.30	-2665.13			
		1.5	4888.30	1001.10			
		2.3	4888.30	4667.32			
		3.0	4888.30	8333.55			

	1-21583.42	.0	4299.83	-5305.79			
		.8	4299.83	-2080.91			
		1.5	4299.83	1143.96			
		2.3	4299.83	4368.83			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 3.0	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	

1	-8957.19		4299.83	7593.70			
		.0	3561.83	-4326.54			
		.8	3561.83	-1655.17			
		1.5	3561.83	1016.21			
		2.3	3561.83	3687.58			
		3.0	3561.83	6358.95			

1	*****		22971.77	-63995.73			
		.0	22971.77	-46766.90			
		.8	22971.77	-29538.08			
		1.5	22971.77	-12309.25			
		2.3	22971.77	4919.58			
		3.0	22971.77				

1	*****		22462.43	-22904.53			
		.0	22462.43	-6057.71			
		.8	22462.43	10789.11			
		1.5	22462.43	27635.93			
		2.3	22462.43	44482.75			
		3.0	22462.43				

1	-76753.20		-12210.41	31178.06			
		.0	-12210.41	22020.25			
		.8	-12210.41	12862.45			
		1.5	-12210.41	3704.64			
		2.3	-12210.41	-5453.17			
		3.0	-12210.41				

1	-63665.05		-370.91	65.48			
		.0	-370.91	-212.71			
		.8	-370.91	-490.89			
		1.5	-370.91	-769.08			
		2.3	-370.91	-1047.27			
		3.0	-370.91				

1	-43618.55		-2159.40	4235.80			
		.0	-2159.40	2616.25			
		.8	-2159.40	996.70			
		1.5	-2159.40	-622.85			
		2.3	-2159.40	-2242.40			
		3.0	-2159.40				

1	-27699.23		-2332.00	4438.72			
		.0	-2332.00	2689.72			
		.8	-2332.00	940.73			
		1.5	-2332.00	-808.27			
		2.3	-2332.00	-2557.27			
		3.0	-2332.00				

1	-14983.64						

Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		.0	-2915.76	5517.69		
		.8	-2915.76	3330.87		
		1.5	-2915.76	1144.04		
		2.3	-2915.76	-1042.78		
		3.0	-2915.76	-3229.60		

1	-5469.47					
		.0	-4160.15	6464.14		
		.8	-4160.15	3344.03		
		1.5	-4160.15	223.91		
		2.3	-4160.15	-2896.20		
		3.0	-4160.15	-6016.31		

	1*****					
		.0	24372.11	-65617.71		
		.8	24372.11	-47338.62		
		1.5	24372.11	-29059.53		
		2.3	24372.11	-10780.45		
		3.0	24372.11	7498.64		

	1*****					
		.0	26783.38	-29833.85		
		.8	26783.38	-9746.31		
		1.5	26783.38	10341.22		
		2.3	26783.38	30428.76		
		3.0	26783.38	50516.29		

2	1*****					
		.0	-4434.49	21689.36		
		.8	-4434.49	18363.50		
		1.5	-4434.49	15037.63		
		2.3	-4434.49	11711.76		
		3.0	-4434.49	8385.89		

6	1-79080.07					
		.0	5632.72	-8264.35		
		.8	5632.72	-4039.81		
		1.5	5632.72	184.73		
		2.3	5632.72	4409.27		
		3.0	5632.72	8633.81		

0	1-57356.55					
		.0	5729.53	-7962.32		
		.8	5729.53	-3665.17		
		1.5	5729.53	631.98		
		2.3	5729.53	4929.13		
		3.0	5729.53	9226.28		

4	1-37935.00					
		.0	5143.98	-6665.02		
		.8	5143.98	-2807.04		
		1.5	5143.98	1050.94		

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		2.3	5143.98	4908.93			
		3.0	5143.98	8766.91			

1	-21275.10						
		.0	4948.28	-6213.65			
		.8	4948.28	-2502.45			
		1.5	4948.28	1208.76			
		2.3	4948.28	4919.97			
		3.0	4948.28	8631.18			

1	-6941.16						
		.0	4411.73	-5317.94			
		.8	4411.73	-2009.14			
		1.5	4411.73	1299.66			
		2.3	4411.73	4608.46			
		3.0	4411.73	7917.25			

1	3381.68						
		.0	4599.25	10689.88			
		1.8	-1025.25	13817.12			
		3.5	-6649.75	7101.49			
		5.3	-12274.25	-9457.02			
		7.0	-17898.75	-35858.41			

1	1901.92						
		.0	-7629.86	13575.82			
		.8	-8844.86	7397.80			
		1.5	-10059.86	308.53			
		2.3	-11274.86	-7691.99			
		3.0	-12489.86	-16603.77			

1	2411.26						
		.0	4312.88	11220.34			
		1.8	-1311.62	13846.45			
		3.5	-6936.12	6629.68			
		5.3	-12560.62	-10429.96			
		7.0	-18185.12	-37332.48			

1	21936.88						
		.0	7247.69	1258.79			
		1.8	1612.69	9011.63			
		3.5	-4022.31	6903.21			
		5.3	-9657.31	-5066.46			
		7.0	-15292.31	-26897.37			

1	19928.68						
		.0	10241.96	-9165.43			
		1.8	4606.96	3827.38			
		3.5	-1028.04	6958.94			
		5.3	-6663.04	229.25			
		7.0	-12298.04	-16361.69			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	15371.86					
	.0	10124.97	-8734.32			
	1.8	4489.97	4053.75			
	3.5	-1145.03	6980.58			
	5.3	-6780.03	46.15			
	7.0	-12415.03	-16749.53			

1	8921.80					
	.0	10380.09	-9623.73			
	1.8	4745.09	3610.80			
	3.5	-889.91	6984.08			
	5.3	-6524.91	496.11			
	7.0	-12159.91	-15853.11			

1	1549.69					
	.0	10644.83	-10548.17			
	1.8	5009.83	3149.66			
	3.5	-625.17	6986.24			
	5.3	-6260.17	961.58			
	7.0	-11895.17	-14924.34			

1	-5398.51					
	.0	10972.89	-11742.21			
	1.8	5337.89	2529.72			
	3.5	-297.11	6940.40			
	5.3	-5932.11	1489.83			
	7.0	-11567.11	-13821.99			

7						
1	15863.52					
	.0	-2499.79	6933.59			
	.8	-4202.29	4420.31			
	1.5	-5904.79	630.15			
	2.3	-7607.29	-4436.88			
	3.0	-9309.79	-10780.79			

0						
1	16059.74					
	.0	2425.07	-429.31			
	.8	722.57	751.06			
	1.5	-979.93	654.55			
	2.3	-2682.43	-718.84			
	3.0	-4384.93	-3369.09			

3						
1	12341.59					
	.0	2310.31	-244.19			
	.8	607.81	850.11			
	1.5	-1094.69	667.53			
	2.3	-2797.19	-791.93			
	3.0	-4499.69	-3528.25			

6						
1	5129.55					
	.0	2685.98	-800.21			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	983.48	575.84			
		1.5	-719.02	675.01			
		2.3	-2421.52	-502.69			
		3.0	-4124.02	-2957.27			

1	-1066.77						
		.0	3025.86	-1315.93			
		.8	1323.36	315.02			
		1.5	-379.14	669.10			
		2.3	-2081.64	-253.69			
		3.0	-3784.14	-2453.36			

2	-6568.82						
		.0	3416.97	-1902.60			
		.8	1714.47	21.69			
		1.5	11.97	669.11			
		2.3	-1690.53	39.65			
		3.0	-3393.03	-1866.68			

8	16700.94						
		.0	6855.92	2305.27			
		1.8	1220.92	9372.52			
		3.5	-4414.08	6578.51			
		5.3	-10049.08	-6076.75			
		7.0	-15684.08	-28593.26			

1	33069.56						
		.0	10200.37	-9092.28			
		1.8	4565.37	3827.74			
		3.5	-1069.63	6886.52			
		5.3	-6704.63	84.05			
		7.0	-12339.63	-16579.67			

4	21914.21						
		.0	10185.38	-8944.15			
		1.8	4550.38	3949.64			
		3.5	-1084.62	6982.19			
		5.3	-6719.62	153.49			
		7.0	-12354.62	-16536.47			

7	16365.46						
		.0	10397.65	-9738.74			
		1.8	4762.65	3526.53			
		3.5	-872.35	6930.55			
		5.3	-6507.35	473.31			
		7.0	-12142.35	-15845.17			

50	10908.42						
		.0	10648.14	-10599.84			
		1.8	5013.14	3103.78			
		3.5	-621.86	6946.15			
		5.3	-6256.86	927.28			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		7.0	-11891.86	-14952.85		

1	5819.95					
		.0	10936.02	-11598.26		
		1.8	5301.02	2609.15		
		3.5	-333.98	6955.32		
		5.3	-5968.98	1440.23		
		7.0	-11603.98	-13936.11		

1	-10129.63					
		.0	6679.06	-7092.46		
		1.8	3284.06	1625.27		
		3.5	-110.94	4401.74		
		5.3	-3505.94	1236.97		
		7.0	-6900.94	-7869.05		

1	-6608.08					
		.0	2009.41	-1488.82		
		.8	1116.91	-316.45		
		1.5	224.41	186.55		
		2.3	-668.09	20.17		
		3.0	-1560.59	-815.59		

1	-4411.73					
		.0	6638.84	-6859.12		
		1.8	3243.84	1788.22		
		3.5	-151.16	4494.31		
		5.3	-3546.16	1259.15		
		7.0	-6941.16	-7917.25		

a Statis Portal (8 lantai) Kg/m

1 E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-16223.18							
	.0		19094.80	-66999.57			
	.8		19094.80	-52678.47			
	1.5		19094.80	-38357.37			
	2.3		19094.80	-24036.27			
	3.0		19094.80	-9715.17			

1-13370.94							
	.0		15981.76	-26716.96			
	.8		15981.76	-14730.65			
	1.5		15981.76	-2744.33			
	2.3		15981.76	9241.99			
	3.0		15981.76	21228.30			

1-11278.78							
	.0		12471.35	1790.31			
	.8		12471.35	11143.82			
	1.5		12471.35	20497.33			
	2.3		12471.35	29850.85			
	3.0		12471.35	39204.36			

1 -4377.50							
	.0		-14824.08	36722.81			
	.8		-14824.08	25604.74			
	1.5		-14824.08	14486.68			
	2.3		-14824.08	3368.62			
	3.0		-14824.08	-7749.45			

1-11497.49							
	.0		-1667.53	1893.85			
	.8		-1667.53	643.20			
	1.5		-1667.53	-607.45			
	2.3		-1667.53	-1858.10			
	3.0		-1667.53	-3108.75			

1-10922.26							
	.0		-3379.32	6282.75			
	.8		-3379.32	3748.27			
	1.5		-3379.32	1213.78			
	2.3		-3379.32	-1320.71			
	3.0		-3379.32	-3855.19			

1 -8645.32							
	.0		-3439.93	6654.47			
	.8		-3439.93	4074.52			
	1.5		-3439.93	1494.57			
	2.3		-3439.93	-1085.38			
	3.0		-3439.93	-3665.33			

1 -3559.12							
	.0		-5059.48	8077.59			

Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.8	-5059.48	4282.98			
		1.5	-5059.48	488.36			
		2.3	-5059.48	-3306.25			
		3.0	-5059.48	-7100.86			

	1-79978.25						
		.0	28075.82	-75266.68			
		.8	28075.82	-54209.81			
		1.5	28075.82	-33152.95			
		2.3	28075.82	-12096.09			
		3.0	28075.82	8960.78			

	1-70392.24						
		.0	30499.23	-50075.57			
		.8	30499.23	-27201.15			
		1.5	30499.23	-4326.73			
		2.3	30499.23	18547.69			
		3.0	30499.23	41422.11			

	1-61355.48						
		.0	27835.84	-22481.84			
		.8	27835.84	-1604.96			
		1.5	27835.84	19271.92			
		2.3	27835.84	40148.80			
		3.0	27835.84	61025.68			

	1-31177.37						
		.0	-6780.26	25033.65			
		.8	-6780.26	19948.45			
		1.5	-6780.26	14863.26			
		2.3	-6780.26	9778.07			
		3.0	-6780.26	4692.87			

	1-39186.69						
		.0	6605.78	-10347.84			
		.8	6605.78	-5393.50			
		1.5	6605.78	-439.17			
		2.3	6605.78	4515.17			
		3.0	6605.78	9469.50			

	1-31284.42						
		.0	4768.88	-5945.04			
		.8	4768.88	-2368.38			
		1.5	4768.88	1208.28			
		2.3	4768.88	4784.94			
		3.0	4768.88	8361.60			

	1-21328.01						
		.0	4277.74	-5263.50			
		.8	4277.74	-2055.19			
		1.5	4277.74	1153.12			
		2.3	4277.74	4361.43			

3 Statis Portal (8 lantai) Kg/m

1 E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 3.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-8834.33		4277.74	7569.73			
		.0	3557.45	-4328.16			
		.8	3557.45	-1660.07			
		1.5	3557.45	1008.02			
		2.3	3557.45	3676.11			
		3.0	3557.45	6344.20			

1	*****						
		.0	23233.66	-70647.16			
		.8	23233.66	-53221.92			
		1.5	23233.66	-35796.67			
		2.3	23233.66	-18371.42			
		3.0	23233.66	-946.18			

1	*****						
		.0	22217.96	-37456.93			
		.8	22217.96	-20793.46			
		1.5	22217.96	-4129.99			
		2.3	22217.96	12533.47			
		3.0	22217.96	29196.94			

1	*****						
		.0	21615.68	-13000.00			
		.8	21615.68	3211.76			
		1.5	21615.68	19423.52			
		2.3	21615.68	35635.28			
		3.0	21615.68	51847.04			

1	-54916.88						
		.0	-14134.88	36421.41			
		.8	-14134.88	25820.25			
		1.5	-14134.88	15219.09			
		2.3	-14134.88	4617.93			
		3.0	-14134.88	-5983.23			

1	-45348.16						
		.0	-609.40	585.44			
		.8	-609.40	128.39			
		1.5	-609.40	-328.66			
		2.3	-609.40	-785.72			
		3.0	-609.40	-1242.77			

1	-27835.17						
		.0	-2641.86	5207.61			
		.8	-2641.86	3226.21			
		1.5	-2641.86	1244.81			
		2.3	-2641.86	-736.59			
		3.0	-2641.86	-2717.98			

1	-15043.52						

Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		.0	-2861.64	5377.28		
		.8	-2861.64	3231.05		
		1.5	-2861.64	1084.82		
		2.3	-2861.64	-1061.42		
		3.0	-2861.64	-3207.65		

1	-5455.58					
		.0	-4154.20	6462.62		
		.8	-4154.20	3346.97		
		1.5	-4154.20	231.32		
		2.3	-4154.20	-2884.34		
		3.0	-4154.20	-5999.99		

1	*****					
		.0	24447.72	-71608.16		
		.8	24447.72	-53272.37		
		1.5	24447.72	-34936.58		
		2.3	24447.72	-16600.79		
		3.0	24447.72	1735.00		

1	*****					
		.0	23386.06	-40571.38		
		.8	23386.06	-23031.84		
		1.5	23386.06	-5492.29		
		2.3	23386.06	12047.25		
		3.0	23386.06	29586.80		

1	*****					
		.0	24628.13	-16846.87		
		.8	24628.13	1624.22		
		1.5	24628.13	20095.32		
		2.3	24628.13	38566.42		
		3.0	24628.13	57037.52		

1	-77497.90					
		.0	-6279.61	26888.99		
		.8	-6279.61	22179.28		
		1.5	-6279.61	17469.57		
		2.3	-6279.61	12759.86		
		3.0	-6279.61	8050.14		

1	-57383.17					
		.0	5457.19	-7905.09		
		.8	5457.19	-3812.20		
		1.5	5457.19	280.69		
		2.3	5457.19	4373.58		
		3.0	5457.19	8466.47		

1	-37998.36					
		.0	5402.18	-7351.46		
		.8	5402.18	-3299.83		
		1.5	5402.18	751.80		

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	5402.18	4803.43			
		3.0	5402.18	8855.06			

1	-21299.51						
		.0	4925.00	-6139.56			
		.8	4925.00	-2445.81			
		1.5	4925.00	1247.95			
		2.3	4925.00	4941.70			
		3.0	4925.00	8635.45			

1	-6942.78						
		.0	4414.85	-5321.81			
		.8	4414.85	-2010.67			
		1.5	4414.85	1300.47			
		2.3	4414.85	4611.60			
		3.0	4414.85	7922.74			

1	346.04						
		.0	2852.24	17001.79			
		1.8	-2772.26	17071.77			
		3.5	-8396.76	7298.88			
		5.3	-14021.26	-12316.89			
		7.0	-19645.76	-41775.53			

1	-2023.59						
		.0	2092.16	19437.99			
		1.8	-3532.34	18177.84			
		3.5	-9156.84	7074.81			
		5.3	-14781.34	-13871.10			
		7.0	-20405.84	-44659.88			

1	-2077.36						
		.0	-10059.76	17260.82			
		.8	-11274.76	9260.38			
		1.5	-12489.76	348.68			
		2.3	-13704.76	-9474.26			
		3.0	-14919.76	-20208.45			

1	639.79						
		.0	-11369.08	19244.06			
		.8	-12584.08	10261.63			
		1.5	-13799.08	367.94			
		2.3	-15014.08	-10436.99			
		3.0	-16229.08	-22153.17			

1	-1061.66						
		.0	2876.33	16302.30			
		1.8	-2748.17	16414.44			
		3.5	-8372.67	6683.71			
		5.3	-13997.17	-12889.90			
		7.0	-19621.67	-42306.38			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
1	1242.07					
	.0	1752.22	20043.78			
	1.8	-3872.28	18188.73			
	3.5	-9496.78	6490.80			
	5.3	-15121.28	-15050.00			
	7.0	-20745.78	-46433.67			
1	18994.43					
	.0	6901.28	2481.55			
	1.8	1266.28	9628.17			
	3.5	-4368.72	6913.53			
	5.3	-10003.72	-5662.35			
	7.0	-15638.72	-28099.48			
1	15704.32					
	.0	10420.88	-9783.72			
	1.8	4785.88	3522.19			
	3.5	-849.12	6966.86			
	5.3	-6484.12	550.28			
	7.0	-12119.12	-15727.56			
1	9506.88					
	.0	10335.03	-9459.40			
	1.8	4700.03	3696.27			
	3.5	-934.97	6990.69			
	5.3	-6569.97	423.86			
	7.0	-12204.97	-16004.22			
1	1638.77					
	.0	10650.60	-10564.69			
	1.8	5015.60	3143.23			
	3.5	-619.40	6989.91			
	5.3	-6254.40	975.34			
	7.0	-11889.40	-14900.49			
1	-5555.82					
	.0	10982.32	-11774.05			
	1.8	5347.32	2514.38			
	3.5	-287.68	6941.56			
	5.3	-5922.68	1507.49			
	7.0	-11557.68	-13787.83			
1	12798.66					
	.0	-3001.47	7682.50			
	.8	-4703.97	4792.95			
	1.5	-6406.47	626.53			
	2.3	-8108.97	-4816.76			
	3.0	-9811.47	-11536.93			
3	12060.56					
	.0	2698.92	-833.25			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
	.8	996.42	552.50			
	1.5	-706.08	661.37			
	2.3	-2408.58	-506.63			
	3.0	-4111.08	-2951.51			
5	1 7084.80					
	.0	2587.59	-655.45			
	.8	885.09	646.81			
	1.5	-817.41	672.19			
	2.3	-2519.91	-579.31			
	3.0	-4222.41	-3107.67			
9	1 -770.17					
	.0	3025.24	-1308.35			
	.8	1322.74	322.15			
	1.5	-379.76	675.76			
	2.3	-2082.26	-247.49			
	3.0	-3784.76	-2447.62			
2	1 -6527.11					
	.0	3408.66	-1890.16			
	.8	1706.16	27.90			
	1.5	3.66	669.08			
	2.3	-1698.84	33.38			
	3.0	-3401.34	-1879.18			
.1	1 16072.84					
	.0	6476.10	3654.34			
	1.8	841.10	10056.88			
	3.5	-4793.90	6598.18			
	5.3	-10428.90	-6721.77			
	7.0	-16063.90	-29902.97			
14	1 30269.50					
	.0	10386.01	-9711.68			
	1.8	4751.01	3533.21			
	3.5	-883.99	6916.86			
	5.3	-6518.99	439.25			
	7.0	-12153.99	-15899.60			
47	1 16810.41					
	.0	10396.98	-9663.78			
	1.8	4761.98	3600.31			
	3.5	-873.02	7003.14			
	5.3	-6508.02	544.73			
	7.0	-12143.02	-15774.93			
50	1 10717.06					
	.0	10647.95	-10612.01			
	1.8	5012.95	3091.29			
	3.5	-622.05	6933.33			
	5.3	-6257.05	914.13			

sa Statis Portal (8 lantai) Kg/m

M E L E M E N T F O R C E S

LOAD	AXIAL DIST	1-2 PLANE		1-3 PLANE	AXIAL
COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	TORQ
	7.0	-11892.05	-14966.33		

5	1 5893.34				
	.0	10933.41	-11587.99		
	1.8	5298.41	2614.84		
	3.5	-336.59	6956.43		
	5.3	-5971.59	1436.77		
	7.0	-11606.59	-13944.14		

4	1-10287.94				
	.0	6687.17	-7120.79		
	1.8	3292.17	1611.14		
	3.5	-102.83	4401.81		
	5.3	-3497.83	1251.24		
	7.0	-6892.83	-7840.59		

5	1 -6664.14				
	.0	2001.50	-1475.47		
	.8	1109.00	-309.03		
	1.5	216.50	188.04		
	2.3	-676.00	15.73		
	3.0	-1568.50	-825.96		

6	1 -4414.85				
	.0	6637.22	-6853.27		
	1.8	3242.22	1791.24		
	3.5	-152.78	4494.49		
	5.3	-3547.78	1256.50		
	7.0	-6942.78	-7922.74		

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-17058.26							
	.0		18656.23	-68474.22			
	.8		18656.23	-54482.04			
	1.5		18656.23	-40489.87			
	2.3		18656.23	-26497.70			
	3.0		18656.23	-12505.52			

1-14713.64							
	.0		14599.04	-31282.30			
	.8		14599.04	-20333.02			
	1.5		14599.04	-9383.75			
	2.3		14599.04	1565.53			
	3.0		14599.04	12514.81			

1-14528.06							
	.0		13893.68	-13805.86			
	.8		13893.68	-3385.60			
	1.5		13893.68	7034.66			
	2.3		13893.68	17454.91			
	3.0		13893.68	27875.17			

1-12770.87							
	.0		10408.95	7252.14			
	.8		10408.95	15058.85			
	1.5		10408.95	22865.57			
	2.3		10408.95	30672.28			
	3.0		10408.95	38479.00			

1 -5658.87							
	.0		-14812.57	36727.60			
	.8		-14812.57	25618.18			
	1.5		-14812.57	14508.75			
	2.3		-14812.57	3399.33			
	3.0		-14812.57	-7710.10			

1-11213.31							
	.0		-1975.37	2657.14			
	.8		-1975.37	1175.62			
	1.5		-1975.37	-305.91			
	2.3		-1975.37	-1787.44			
	3.0		-1975.37	-3268.97			

1 -8612.68							
	.0		-3558.83	7063.84			
	.8		-3558.83	4394.72			
	1.5		-3558.83	1725.60			
	2.3		-3558.83	-943.53			
	3.0		-3558.83	-3612.65			

1 -3620.71							
	.0		-5083.32	8132.31			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-5083.32	4319.82			
		1.5	-5083.32	507.33			
		2.3	-5083.32	-3305.16			
		3.0	-5083.32	-7117.64			

	1-80702.88	.0	27845.71	-77065.86			
		.8	27845.71	-56181.57			
		1.5	27845.71	-35297.28			
		2.3	27845.71	-14413.00			
		3.0	27845.71	6471.29			

	1-71416.51	.0	30722.50	-55557.58			
		.8	30722.50	-32515.70			
		1.5	30722.50	-9473.82			
		2.3	30722.50	13568.05			
		3.0	30722.50	36609.93			

	1-63145.98	.0	28965.08	-37804.24			
		.8	28965.08	-16080.43			
		1.5	28965.08	5643.38			
		2.3	28965.08	27367.19			
		3.0	28965.08	49090.99			

	1-54246.97	.0	25520.98	-16678.40			
		.8	25520.98	2462.33			
		1.5	25520.98	21603.07			
		2.3	25520.98	40743.80			
		3.0	25520.98	59884.53			

	1-25300.91	.0	-6853.47	25151.75			
		.8	-6853.47	20011.65			
		1.5	-6853.47	14871.56			
		2.3	-6853.47	9731.46			
		3.0	-6853.47	4591.36			

	1-31044.66	.0	6112.62	-9297.65			
		.8	6112.62	-4713.19			
		1.5	6112.62	-128.72			
		2.3	6112.62	4455.74			
		3.0	6112.62	9040.20			

	1-21076.66	.0	4166.21	-4892.05			
		.8	4166.21	-1767.40			
		1.5	4166.21	1357.26			
		2.3	4166.21	4481.91			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE ENDI	DIST 3.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-8750.17		4166.21	7606.57			
		.0	3542.64	-4292.50			
		.8	3542.64	-1635.52			
		1.5	3542.64	1021.46			
		2.3	3542.64	3678.44			
		3.0	3542.64	6335.42			

1	*****						
		.0	23137.81	-72614.02			
		.8	23137.81	-55260.67			
		1.5	23137.81	-37907.31			
		2.3	23137.81	-20553.95			
		3.0	23137.81	-3200.60			

1	*****						
		.0	22503.87	-42682.31			
		.8	22503.87	-25804.41			
		1.5	22503.87	-8926.51			
		2.3	22503.87	7951.39			
		3.0	22503.87	24829.29			

1	-99588.87						
		.0	21460.03	-26965.64			
		.8	21460.03	-10870.62			
		1.5	21460.03	5224.40			
		2.3	21460.03	21319.42			
		3.0	21460.03	37414.44			

5	1-81496.57						
		.0	19111.04	-6780.79			
		.8	19111.04	7552.49			
		1.5	19111.04	21885.77			
		2.3	19111.04	36219.05			
		3.0	19111.04	50552.32			

9	1-36686.96						
		.0	-14177.33	36441.23			
		.8	-14177.33	25808.23			
		1.5	-14177.33	15175.24			
		2.3	-14177.33	4542.24			
		3.0	-14177.33	-6090.76			

3	1-29506.66						
		.0	-1116.97	1619.48			
		.8	-1116.97	781.75			
		1.5	-1116.97	-55.98			
		2.3	-1116.97	-893.70			
		3.0	-1116.97	-1731.43			

7	1-15128.87						

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3163.30	6133.60			
		.8	-3163.30	3761.12			
		1.5	-3163.30	1388.65			
		2.3	-3163.30	-983.83			
		3.0	-3163.30	-3356.31			

1	-5434.59						
		.0	-4105.41	6334.71			
		.8	-4105.41	3255.65			
		1.5	-4105.41	176.60			
		2.3	-4105.41	-2902.46			
		3.0	-4105.41	-5981.52			

	1*****						
		.0	24252.25	-73499.68			
		.8	24252.25	-55310.49			
		1.5	24252.25	-37121.31			
		2.3	24252.25	-18932.12			
		3.0	24252.25	-742.94			

	1*****						
		.0	23302.59	-44833.69			
		.8	23302.59	-27356.74			
		1.5	23302.59	-9879.80			
		2.3	23302.59	7597.15			
		3.0	23302.59	25074.09			

	1*****						
		.0	21280.22	-26891.12			
		.8	21280.22	-10930.96			
		1.5	21280.22	5029.21			
		2.3	21280.22	20989.37			
		3.0	21280.22	36949.54			

	1-89775.60						
		.0	22264.03	-10730.36			
		.8	22264.03	5967.66			
		1.5	22264.03	22665.68			
		2.3	22264.03	39363.70			
		3.0	22264.03	56061.72			

	1-55800.61						
		.0	-6295.85	26781.25			
		.8	-6295.85	22059.37			
		1.5	-6295.85	17337.48			
		2.3	-6295.85	12615.59			
		3.0	-6295.85	7893.71			

	1-37994.33						
		.0	5135.71	-7296.42			
		.8	5135.71	-3444.63			
		1.5	5135.71	407.15			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		2.3	5135.71	4258.93		
		3.0	5135.71	8110.72		

1-21328.99		.0	5180.59	-6813.00		
		.8	5180.59	-2927.56		
		1.5	5180.59	957.88		
		2.3	5180.59	4843.32		
		3.0	5180.59	8728.75		

1 -6943.80		.0	4388.28	-5239.84		
		.8	4388.28	-1948.63		
		1.5	4388.28	1342.58		
		2.3	4388.28	4633.78		
		3.0	4388.28	7924.99		

1 1293.19		.0	2344.62	18776.78		
		1.8	-3279.88	17958.43		
		3.5	-8904.38	7297.20		
		5.3	-14528.88	-13206.90		
		7.0	-20153.38	-43553.87		

1 -4823.64		.0	185.58	26320.67		
		1.8	-5438.92	21723.99		
		3.5	-11063.42	7284.45		
		5.3	-16687.92	-16997.97		
		7.0	-22312.42	-51123.27		

1 -4809.28		.0	1757.19	20623.03		
		1.8	-3867.31	18776.67		
		3.5	-9491.81	7087.44		
		5.3	-15116.31	-14444.67		
		7.0	-20740.81	-45819.65		

1 -1583.59		.0	-10867.01	18474.99		
		.8	-12082.01	9869.11		
		1.5	-13297.01	351.98		
		2.3	-14512.01	-10076.40		
		3.0	-15727.01	-21416.03		

1 -3066.21		.0	-14041.89	23290.90		
		.8	-15256.89	12303.85		
		1.5	-16471.89	405.56		
		2.3	-17686.89	-12403.98		
		3.0	-18901.89	-26124.77		

Statis Portal (8 lantai) Kg/m

ELEMENT FORCES

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
1	-1365.18	.0	-11841.80	19949.74			
		.8	-13056.80	10612.77			
		1.5	-14271.80	364.55			
		2.3	-15486.80	-10794.93			
		3.0	-16701.80	-22865.65			
1	-949.65	.0	2369.51	18065.69			
		1.8	-3254.99	17290.89			
		3.5	-8879.49	6673.22			
		5.3	-14503.99	-13787.33			
		7.0	-20128.49	-44090.75			
1	-2022.37	.0	158.23	25670.17			
		1.8	-5466.27	21025.64			
		3.5	-11090.77	6538.23			
		5.3	-16715.27	-17792.05			
		7.0	-22339.77	-51965.21			
1	983.81	.0	1390.50	21329.58			
		1.8	-4234.00	18841.52			
		3.5	-9858.50	6510.59			
		5.3	-15483.00	-15663.22			
		7.0	-21107.50	-47679.90			
1	14162.52	.0	7112.00	1751.40			
		1.8	1477.00	9266.78			
		3.5	-4158.00	6920.91			
		5.3	-9793.00	-5286.20			
		7.0	-15428.00	-27354.57			
1	9881.03	.0	10625.30	-10493.76			
		1.8	4990.30	3169.89			
		3.5	-644.70	6972.29			
		5.3	-6279.70	913.44			
		7.0	-11914.70	-15006.67			
1	2310.11	.0	10601.18	-10384.25			
		1.8	4966.18	3237.19			
		3.5	-668.82	6997.38			
		5.3	-6303.82	896.32			
		7.0	-11938.82	-15065.99			
1	-5410.56	.0	10984.23	-11777.08			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.8	5349.23	2514.70			
		3.5	-285.77	6945.22			
		5.3	-5920.77	1514.49			
		7.0	-11555.77	-13777.48			

1	8891.73	.0	-2661.68	7182.23			
		.8	-4364.18	4547.54			
		1.5	-6066.68	635.97			
		2.3	-7769.18	-4552.47			
		3.0	-9471.68	-11017.79			

1	6802.81	.0	2969.73	-1235.15			
		.8	1267.23	353.71			
		1.5	-435.27	665.70			
		2.3	-2137.77	-299.18			
		3.0	-3840.27	-2540.95			

1	1175.40	.0	2927.70	-1164.98			
		.8	1225.20	392.36			
		1.5	-477.30	672.82			
		2.3	-2179.80	-323.59			
		3.0	-3882.30	-2596.87			

1	-6242.67	.0	3407.06	-1880.94			
		.8	1704.56	35.92			
		1.5	2.06	675.90			
		2.3	-1700.44	39.00			
		3.0	-3402.94	-1874.77			

1	13652.59	.0	6709.19	2873.61			
		1.8	1074.19	9684.07			
		3.5	-4560.81	6633.28			
		5.3	-10195.81	-6278.77			
		7.0	-15830.81	-29052.06			

1	25073.09	.0	10593.43	-10415.04			
		1.8	4958.43	3192.84			
		3.5	-676.57	6939.46			
		5.3	-6311.57	824.83			
		7.0	-11946.57	-15151.05			

1	11159.99	.0	10646.84	-10536.42			
		1.8	5011.84	3164.94			
		3.5	-623.16	7005.04			
		5.3	-6258.16	983.89			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE	AXIAL
		SHEAR	MOMENT	SHEAR	TORQ
	7.0	-11893.16	-14898.51		

1	5678.38				
	.0	10933.85	-11601.94		
	1.8	5298.85	2601.67		
	3.5	-336.15	6944.04		
	5.3	-5971.15	1425.16		
	7.0	-11606.15	-13954.98		

1-10432.36					
	.0	6692.73	-7137.35		
	1.8	3297.73	1604.29		
	3.5	-97.27	4404.69		
	5.3	-3492.27	1263.84		
	7.0	-6887.27	-7818.27		

1 -6753.55					
	.0	1992.56	-1461.90		
	.8	1100.06	-302.17		
	1.5	207.56	188.19		
	2.3	-684.94	9.17		
	3.0	-1577.44	-839.22		

1 -4388.28					
	.0	6636.20	-6848.38		
	1.8	3241.20	1794.34		
	3.5	-153.80	4495.81		
	5.3	-3548.80	1256.04		
	7.0	-6943.80	-7924.99		

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-17835.77							
	.0		18425.18	-68525.10			
	.8		18425.18	-54706.22			
	1.5		18425.18	-40887.33			
	2.3		18425.18	-27068.44			
	3.0		18425.18	-13249.56			

1-15588.18							
	.0		14220.83	-32364.27			
	.8		14220.83	-21698.65			
	1.5		14220.83	-11033.02			
	2.3		14220.83	-367.40			
	3.0		14220.83	10298.23			

1-15890.10							
	.0		12616.59	-17729.72			
	.8		12616.59	-8267.28			
	1.5		12616.59	1195.16			
	2.3		12616.59	10657.60			
	3.0		12616.59	20120.04			

1-15850.67							
	.0		11629.35	-6703.71			
	.8		11629.35	2018.30			
	1.5		11629.35	10740.32			
	2.3		11629.35	19462.33			
	3.0		11629.35	28184.34			

1-13372.05							
	.0		7973.82	10093.42			
	.8		7973.82	16073.79			
	1.5		7973.82	22054.15			
	2.3		7973.82	28034.52			
	3.0		7973.82	34014.89			

1 -5730.73							
	.0		-13860.83	34107.68			
	.8		-13860.83	23712.06			
	1.5		-13860.83	13316.43			
	2.3		-13860.83	2920.81			
	3.0		-13860.83	-7474.82			

1 -8725.01							
	.0		-2264.54	3729.67			
	.8		-2264.54	2031.26			
	1.5		-2264.54	332.86			
	2.3		-2264.54	-1365.55			
	3.0		-2264.54	-3063.96			

1 -3486.43							
	.0		-5200.35	8505.29			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-5200.35	4605.02			
		1.5	-5200.35	704.76			
		2.3	-5200.35	-3195.51			
		3.0	-5200.35	-7095.78			

1-80536.02		.0	27628.77	-77149.73			
		.8	27628.77	-56428.15			
		1.5	27628.77	-35706.57			
		2.3	27628.77	-14985.00			
		3.0	27628.77	5736.58			

1-71318.04		.0	30517.08	-56879.61			
		.8	30517.08	-33991.80			
		1.5	30517.08	-11103.99			
		2.3	30517.08	11783.82			
		3.0	30517.08	34671.62			

1-63329.42		.0	29155.88	-42605.61			
		.8	29155.88	-20738.70			
		1.5	29155.88	1128.20			
		2.3	29155.88	22995.11			
		3.0	29155.88	44862.02			

1-55116.73		.0	26485.24	-30369.14			
		.8	26485.24	-10505.21			
		1.5	26485.24	9358.72			
		2.3	26485.24	29222.65			
		3.0	26485.24	49086.58			

1-45797.08		.0	22241.59	-12461.53			
		.8	22241.59	4219.66			
		1.5	22241.59	20900.85			
		2.3	22241.59	37582.04			
		3.0	22241.59	54263.23			

1-18890.00		.0	-5989.54	22636.33			
		.8	-5989.54	18144.18			
		1.5	-5989.54	13652.03			
		2.3	-5989.54	9159.88			
		3.0	-5989.54	4667.73			

1-21113.57		.0	5375.37	-7901.09			
		.8	5375.37	-3869.56			
		1.5	5375.37	161.96			
		2.3	5375.37	4193.49			

Statis Portal (8 lantai) Kg/m

E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	3.0	5375.37	8225.01			

1	-8692.38					
	.0	3436.92	-3959.69			
	.8	3436.92	-1382.00			
	1.5	3436.92	1195.69			
	2.3	3436.92	3773.38			
	3.0	3436.92	6351.06			

1	*****					
	.0	22904.25	-72694.56			
	.8	22904.25	-55516.37			
	1.5	22904.25	-38338.18			
	2.3	22904.25	-21159.99			
	3.0	22904.25	-3981.80			

1	*****					
	.0	22383.02	-44071.54			
	.8	22383.02	-27284.28			
	1.5	22383.02	-10497.02			
	2.3	22383.02	6290.25			
	3.0	22383.02	23077.51			

1	-97173.69					
	.0	21689.20	-31535.31			
	.8	21689.20	-15268.41			
	1.5	21689.20	998.50			
	2.3	21689.20	17265.40			
	3.0	21689.20	33532.30			

1	-78113.58					
	.0	18958.46	-19306.56			
	.8	18958.46	-5087.71			
	1.5	18958.46	9131.13			
	2.3	18958.46	23349.98			
	3.0	18958.46	37568.82			

1	-60419.27					
	.0	15679.22	-2343.01			
	.8	15679.22	9416.40			
	1.5	15679.22	21175.82			
	2.3	15679.22	32935.23			
	3.0	15679.22	44694.64			

3	-21599.85					
	.0	-13299.93	33824.64			
	.8	-13299.93	23849.69			
	1.5	-13299.93	13874.74			
	2.3	-13299.93	3899.79			
	3.0	-13299.93	-6075.15			

7	-16555.27					

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M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-1803.02	2924.44			
		.8	-1803.02	1572.17			
		1.5	-1803.02	219.91			
		2.3	-1803.02	-1132.36			
		3.0	-1803.02	-2484.63			

1	-5468.38						
		.0	-4344.03	7003.45			
		.8	-4344.03	3745.43			
		1.5	-4344.03	487.41			
		2.3	-4344.03	-2770.61			
		3.0	-4344.03	-6028.63			

4	1*****						
		.0	23978.80	-73546.24			
		.8	23978.80	-55562.14			
		1.5	23978.80	-37578.05			
		2.3	23978.80	-19593.95			
		3.0	23978.80	-1609.85			

8	1*****						
		.0	23047.07	-46065.70			
		.8	23047.07	-28780.40			
		1.5	23047.07	-11495.09			
		2.3	23047.07	5790.21			
		3.0	23047.07	23075.52			

2	1*****						
		.0	21168.34	-30577.19			
		.8	21168.34	-14700.94			
		1.5	21168.34	1175.31			
		2.3	21168.34	17051.56			
		3.0	21168.34	32927.82			

6	1-87175.03						
		.0	19249.95	-19736.31			
		.8	19249.95	-5298.85			
		1.5	19249.95	9138.62			
		2.3	19249.95	23576.08			
		3.0	19249.95	38013.55			

0	1-66811.60						
		.0	19351.38	-7018.36			
		.8	19351.38	7495.17			
		1.5	19351.38	22008.70			
		2.3	19351.38	36522.23			
		3.0	19351.38	51035.77			

4	1-36539.10						
		.0	-5421.08	23868.00			
		.8	-5421.08	19802.19			
		1.5	-5421.08	15736.38			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	-5421.08	11670.57			
		3.0	-5421.08	7604.75			

1	-21289.74	.0	4943.35	-6757.13			
		.8	4943.35	-3049.62			
		1.5	4943.35	657.90			
		2.3	4943.35	4365.41			
		3.0	4943.35	8072.93			

1	-6941.71	.0	4588.25	-5828.29			
		.8	4588.25	-2387.11			
		1.5	4588.25	1054.08			
		2.3	4588.25	4495.26			
		3.0	4588.25	7936.45			

1	1435.35	.0	2247.59	19114.72			
		1.8	-3376.91	18126.56			
		3.5	-9001.41	7295.53			
		5.3	-14625.91	-13378.38			
		7.0	-20250.41	-43895.16			

1	-3933.75	.0	-301.92	28027.95			
		1.8	-5926.42	22578.15			
		3.5	-11550.92	7285.48			
		5.3	-17175.42	-17850.07			
		7.0	-22799.92	-52828.49			

1	-7319.76	.0	39.43	26823.75			
		1.8	-5585.07	21971.31			
		3.5	-11209.57	7276.00			
		5.3	-16834.07	-17262.19			
		7.0	-22458.57	-51643.25			

1	-7421.47	.0	2478.63	18090.92			
		1.8	-3145.87	17507.08			
		3.5	-8770.37	7080.36			
		5.3	-14394.87	-13189.23			
		7.0	-20019.37	-43301.70			

1	-1452.96	.0	-11032.44	18721.02			
		.8	-12247.44	9991.07			
		1.5	-13462.44	349.87			
		2.3	-14677.44	-10202.58			
		3.0	-15892.44	-21666.28			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-2572.55						
		.0	-14811.30	24448.75			
		.8	-16026.30	12884.64			
		1.5	-17241.30	409.29			
		2.3	-18456.30	-12977.31			
		3.0	-19671.30	-27275.16			

1	-4649.13						
		.0	-14245.87	23587.90			
		.8	-15460.87	12447.87			
		1.5	-16675.87	396.59			
		2.3	-17890.87	-12565.93			
		3.0	-19105.87	-26439.71			

1	-3177.82						
		.0	-10699.73	18246.41			
		.8	-11914.73	9765.98			
		1.5	-13129.73	374.31			
		2.3	-14344.73	-9928.61			
		3.0	-15559.73	-21142.78			

1	-931.72						
		.0	2266.24	18423.46			
		1.8	-3358.26	17467.94			
		3.5	-8982.76	6669.55			
		5.3	-14607.26	-13971.71			
		7.0	-20231.76	-44455.85			

1	-1878.74						
		.0	-321.05	27337.65			
		1.8	-5945.55	21854.38			
		3.5	-11570.05	6528.22			
		5.3	-17194.55	-18640.81			
		7.0	-22819.05	-53652.71			

1	-1918.38						
		.0	-45.75	26399.15			
		1.8	-5670.25	21397.64			
		3.5	-11294.75	6553.26			
		5.3	-16919.25	-18134.00			
		7.0	-22543.75	-52664.13			

1	101.42						
		.0	2134.58	18769.05			
		1.8	-3489.92	17583.12			
		3.5	-9114.42	6554.32			
		5.3	-14738.92	-14317.36			
		7.0	-20363.42	-45031.91			

1	7988.66						
		.0	7641.31	-92.80			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
	1.8	2006.31	8348.88			
	3.5	-3628.69	6929.30			
	5.3	-9263.69	-4351.53			
	7.0	-14898.69	-25493.61			

1	2697.80					
	.0	10859.46	-11308.78			
	1.8	5224.46	2764.64			
	3.5	-410.54	6976.82			
	5.3	-6045.54	1327.75			
	7.0	-11680.54	-14182.58			

1	-4717.48					
	.0	10935.32	-11598.50			
	1.8	5300.32	2607.69			
	3.5	-334.68	6952.62			
	5.3	-5969.68	1436.31			
	7.0	-11604.68	-13941.26			

5	3984.68					
	.0	-1845.34	5966.74			
	.8	-3547.84	3944.30			
	1.5	-5250.34	644.98			
	2.3	-6952.84	-3931.21			
	3.0	-8655.34	-9784.28			

9	847.01					
	.0	3274.77	-1691.62			
	.8	1572.27	126.02			
	1.5	-130.23	666.78			
	2.3	-1832.73	-69.32			
	3.0	-3535.23	-2082.31			

2	-4531.25					
	.0	3322.59	-1757.68			
	.8	1620.09	95.83			
	1.5	-82.41	672.46			
	2.3	-1784.91	-27.79			
	3.0	-3487.41	-2004.90			

7	10172.01					
	.0	7288.46	897.40			
	1.8	1653.46	8721.58			
	3.5	-3981.54	6684.51			
	5.3	-9616.54	-5213.81			
	7.0	-15251.54	-26973.38			

10	18586.62					
	.0	10822.63	-11208.59			
	1.8	5187.63	2800.39			
	3.5	-447.37	6948.12			
	5.3	-6082.37	1234.61			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		7.0	-11717.37	-14340.16		

1	6029.41	.0	10933.34	-11534.05		
		1.8	5298.34	2668.67		
		3.5	-336.66	7010.15		
		5.3	-5971.66	1490.37		
		7.0	-11606.66	-13890.66		

	1-10268.18	.0	6688.02	-7116.77		
		1.8	3293.02	1616.64		
		3.5	-101.98	4408.81		
		5.3	-3496.98	1259.72		
		7.0	-6891.98	-7830.62		

1	-6628.73	.0	1998.54	-1460.94		
		.8	1106.04	-296.72		
		1.5	213.54	198.12		
		2.3	-678.96	23.58		
		3.0	-1571.46	-820.32		

1	-4588.25	.0	6638.29	-6874.44		
		1.8	3243.29	1771.93		
		3.5	-151.71	4477.05		
		5.3	-3546.71	1240.93		
		7.0	-6941.71	-7936.45		

Statis Portal (8 lantai) Kg/m

ELEMENT FORCES

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ

1-18936.49	.0	18203.08	-68016.90			
	.8	18203.08	-54364.59			
	1.5	18203.08	-40712.28			
	2.3	18203.08	-27059.97			
	3.0	18203.08	-13407.65			

1-16651.74	.0	14002.49	-32390.45			
	.8	14002.49	-21888.58			
	1.5	14002.49	-11386.72			
	2.3	14002.49	-884.85			
	3.0	14002.49	9617.01			

1-17003.52	.0	12273.57	-18583.21			
	.8	12273.57	-9378.04			
	1.5	12273.57	-172.86			
	2.3	12273.57	9032.31			
	3.0	12273.57	18237.48			

1-17340.03	.0	10538.56	-9901.49			
	.8	10538.56	-1997.57			
	1.5	10538.56	5906.35			
	2.3	10538.56	13810.26			
	3.0	10538.56	21714.18			

1-16257.27	.0	8904.02	-1417.18			
	.8	8904.02	5260.83			
	1.5	8904.02	11938.85			
	2.3	8904.02	18616.86			
	3.0	8904.02	25294.87			

1-12444.20	.0	5088.39	11890.91			
	.8	5088.39	15707.20			
	1.5	5088.39	19523.49			
	2.3	5088.39	23339.79			
	3.0	5088.39	27156.08			

5 1 -4060.67	.0	-12145.12	29837.66			
	.8	-12145.12	20728.82			
	1.5	-12145.12	11619.99			
	2.3	-12145.12	2511.15			
	3.0	-12145.12	-6597.69			

9 1 -3553.73	.0	-4176.47	5681.86			

Statis Portal (8 lantai) Kg/m

ELEMENT FORCES

LOAD :OMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-4176.47	2549.51			
		1.5	-4176.47	-582.85			
		2.3	-4176.47	-3715.20			
		3.0	-4176.47	-6847.55			

1-79602.23		.0	27380.52	-76615.52			
		.8	27380.52	-56080.12			
		1.5	27380.52	-35544.73			
		2.3	27380.52	-15009.34			
		3.0	27380.52	5526.05			

1-70364.67		.0	30277.78	-56876.77			
		.8	30277.78	-34168.44			
		1.5	30277.78	-11460.10			
		2.3	30277.78	11248.23			
		3.0	30277.78	33956.57			

1-62408.18		.0	28926.77	-43618.40			
		.8	28926.77	-21923.32			
		1.5	28926.77	-228.24			
		2.3	28926.77	21466.84			
		3.0	28926.77	43161.91			

1-54398.60		.0	26586.62	-34257.27			
		.8	26586.62	-14317.30			
		1.5	26586.62	5622.67			
		2.3	26586.62	25562.63			
		3.0	26586.62	45502.60			

1-45613.16		.0	22950.10	-23695.76			
		.8	22950.10	-6483.18			
		1.5	22950.10	10729.39			
		2.3	22950.10	27941.97			
		3.0	22950.10	45154.54			

1-35543.59		.0	18114.26	-8622.42			
		.8	18114.26	4963.28			
		1.5	18114.26	18548.97			
		2.3	18114.26	32134.67			
		3.0	18114.26	45720.37			

1-11435.32		.0	-4608.31	18474.09			
		.8	-4608.31	15017.86			
		1.5	-4608.31	11561.63			
		2.3	-4608.31	8105.40			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE ENDI	DIST 3.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		3.0	-4608.31	4649.17			

1	-8785.88						
		.0	4369.59	-6404.35			
		.8	4369.59	-3127.16			
		1.5	4369.59	150.03			
		2.3	4369.59	3427.22			
		3.0	4369.59	6704.41			

1	*****						
		.0	22651.28	-72153.86			
		.8	22651.28	-55165.41			
		1.5	22651.28	-38176.95			
		2.3	22651.28	-21188.49			
		3.0	22651.28	-4200.03			

1	*****						
		.0	22126.51	-44062.27			
		.8	22126.51	-27467.39			
		1.5	22126.51	-10872.52			
		2.3	22126.51	5722.36			
		3.0	22126.51	22317.24			

1	-95591.89						
		.0	21524.68	-32593.59			
		.8	21524.68	-16450.08			
		1.5	21524.68	-306.57			
		2.3	21524.68	15836.93			
		3.0	21524.68	31980.44			

1	-76315.47						
		.0	19066.68	-22986.27			
		.8	19066.68	-8686.26			
		1.5	19066.68	5613.75			
		2.3	19066.68	19913.77			
		3.0	19066.68	34213.78			

1	-57850.86						
		.0	15494.75	-12664.29			
		.8	15494.75	-1043.23			
		1.5	15494.75	10577.83			
		2.3	15494.75	22198.90			
		3.0	15494.75	33819.96			

1	-40856.85						
		.0	11315.65	1823.31			
		.8	11315.65	10310.05			
		1.5	11315.65	18796.78			
		2.3	11315.65	27283.52			
		3.0	11315.65	35770.25			

1	-9825.54						

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	.0	-11819.16	29461.19			
	.8	-11819.16	20596.81			
	1.5	-11819.16	11732.44			
	2.3	-11819.16	2868.07			
	3.0	-11819.16	-5996.30			

1	-6583.99					
	.0	-3409.83	4459.96			
	.8	-3409.83	1902.59			
	1.5	-3409.83	-654.78			
	2.3	-3409.83	-3212.15			
	3.0	-3409.83	-5769.52			

1	1*****					
	.0	23746.12	-73021.27			
	.8	23746.12	-55211.68			
	1.5	23746.12	-37402.09			
	2.3	23746.12	-19592.51			
	3.0	23746.12	-1782.92			

3	1*****					
	.0	22794.23	-46092.15			
	.8	22794.23	-28996.48			
	1.5	22794.23	-11900.81			
	2.3	22794.23	5194.86			
	3.0	22794.23	22290.53			

2	1*****					
	.0	20915.99	-31539.65			
	.8	20915.99	-15852.66			
	1.5	20915.99	-165.67			
	2.3	20915.99	15521.32			
	3.0	20915.99	31208.31			

6	1-86167.91					
	.0	19108.14	-22732.71			
	.8	19108.14	-8401.61			
	1.5	19108.14	5929.49			
	2.3	19108.14	20260.60			
	3.0	19108.14	34591.70			

0	1-64644.70					
	.0	16830.13	-14463.07			
	.8	16830.13	-1840.47			
	1.5	16830.13	10782.13			
	2.3	16830.13	23404.73			
	3.0	16830.13	36027.33			

4	1-45665.36					
	.0	15758.70	-4095.01			
	.8	15758.70	7724.01			
	1.5	15758.70	19543.04			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	2.3	15758.70	31362.06			
	3.0	15758.70	43181.09			

1-20126.28	.0	-3773.87	18935.63			
	.8	-3773.87	16105.22			
	1.5	-3773.87	13274.82			
	2.3	-3773.87	10444.41			
	3.0	-3773.87	7614.01			

1 -6941.61	.0	4557.76	-5837.04			
	.8	4557.76	-2418.72			
	1.5	4557.76	999.60			
	2.3	4557.76	4417.92			
	3.0	4557.76	7836.24			

1 1420.60	.0	2284.75	18982.79			
	1.8	-3339.75	18059.66			
	3.5	-8964.25	7293.66			
	5.3	-14588.75	-13315.22			
	7.0	-20213.25	-43766.98			

1 -3831.08	.0	-351.77	28200.23			
	1.8	-5976.27	22663.18			
	3.5	-11600.77	7283.27			
	5.3	-17225.27	-17939.53			
	7.0	-22849.77	-53005.19			

1 -6605.99	.0	-336.51	28138.97			
	1.8	-5961.01	22628.64			
	3.5	-11585.51	7275.43			
	5.3	-17210.01	-17920.66			
	7.0	-22834.51	-52959.62			

1 -9486.46	.0	1082.75	23131.36			
	1.8	-4541.75	20104.75			
	3.5	-10166.25	7235.26			
	5.3	-15790.75	-15477.11			
	7.0	-21415.25	-48032.35			

1-10086.37	.0	3813.08	13403.96			
	1.8	-1811.42	15155.42			
	3.5	-7435.92	7063.99			
	5.3	-13060.42	-10870.31			
	7.0	-18684.92	-38647.48			

a Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
1	-1476.66	.0	-10975.69	18635.85			
		.8	-12190.69	9948.45			
		1.5	-13405.69	349.81			
		2.3	-14620.69	-10160.08			
		3.0	-15835.69	-21581.23			
1	-2480.07	.0	-14893.29	24569.77			
		.8	-16108.29	12944.18			
		1.5	-17323.29	407.33			
		2.3	-18538.29	-13040.76			
		3.0	-19753.29	-27400.10			
1	-4265.84	.0	-14824.93	24459.56			
		.8	-16039.93	12885.24			
		1.5	-17254.93	399.67			
		2.3	-18469.93	-12997.16			
		3.0	-19684.93	-27305.23			
1	-5849.94	.0	-12629.81	21166.00			
		.8	-13844.81	11238.02			
		1.5	-15059.81	398.79			
		2.3	-16274.81	-11351.69			
		3.0	-17489.81	-24013.42			
1	-5250.54	.0	-8615.35	15129.48			
		.8	-9830.35	8212.34			
		1.5	-11045.35	383.96			
		2.3	-12260.35	-8355.68			
		3.0	-13475.35	-18006.57			
1	-951.89	.0	2307.54	18281.01			
		1.8	-3316.96	17397.76			
		3.5	-8941.46	6671.64			
		5.3	-14565.96	-13897.36			
		7.0	-20190.46	-44309.24			
1	-1878.24	.0	-371.13	27510.73			
		1.8	-5995.63	21939.82			
		3.5	-11620.13	6526.03			
		5.3	-17244.63	-18730.64			
		7.0	-22869.13	-53830.18			
1	-1807.85	.0	-408.50	27661.48			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.8	-6033.00	22025.17			
		3.5	-11657.50	6545.98			
		5.3	-17282.00	-18776.08			
		7.0	-22906.50	-53941.02			

1	-2278.01	.0	974.80	22864.65			
		1.8	-4649.70	19649.11			
		3.5	-10274.20	6590.69			
		5.3	-15898.70	-16310.60			
		7.0	-21523.20	-49054.77			

1	-1071.43	.0	3518.66	13990.07			
		1.8	-2105.84	15226.28			
		3.5	-7730.34	6619.62			
		5.3	-13354.84	-11829.92			
		7.0	-18979.34	-40122.34			

1	551.51	.0	8383.52	-2681.58			
		1.8	2748.52	7058.96			
		3.5	-2886.48	6938.25			
		5.3	-8521.48	-3043.71			
		7.0	-14156.48	-22886.92			

1	-4230.20	.0	11144.33	-12352.68			
		1.8	5509.33	2219.28			
		3.5	-125.67	6929.98			
		5.3	-5760.67	1779.44			
		7.0	-11395.67	-13232.35			

1	-1480.37	.0	-685.60	4234.11			
		.8	-2388.10	3081.47			
		1.5	-4090.60	651.97			
		2.3	-5793.10	-3054.42			
		3.0	-7495.60	-8037.68			

1	-4976.47	.0	3627.51	-2218.82			
		.8	1925.01	-136.63			
		1.5	222.51	668.69			
		2.3	-1479.99	197.13			
		3.0	-3182.49	-1551.30			

1	6275.26	.0	8095.50	-1874.21			
		1.8	2460.50	7362.29			
		3.5	-3174.50	6737.54			
		5.3	-8809.50	-3748.46			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		7.0	-14444.50	-24095.70			

1	12336.44						
		.0	11076.98	-12091.00			
		1.8	5441.98	2363.10			
		3.5	-193.02	6955.95			
		5.3	-5828.02	1687.54			
		7.0	-11463.02	-13442.11			

1	-9607.91						
		.0	6620.22	-6867.85			
		1.8	3225.22	1746.92			
		3.5	-169.78	4420.43			
		5.3	-3564.78	1152.69			
		7.0	-6959.78	-8056.30			

1	-5152.74						
		.0	1902.75	-1330.48			
		.8	1010.25	-238.10			
		1.5	117.75	184.90			
		2.3	-774.75	-61.48			
		3.0	-1667.25	-977.23			

1	-4557.76						
		.0	6638.39	-6775.00			
		1.8	3243.39	1871.57			
		3.5	-151.61	4576.88			
		5.3	-3546.61	1340.94			
		7.0	-6941.61	-7836.24			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-21068.33							
	.0		17982.50	-67314.40			
	.8		17982.50	-53827.53			
	1.5		17982.50	-40340.65			
	2.3		17982.50	-26853.78			
	3.0		17982.50	-13366.91			

1-18702.00							
	.0		13797.56	-32053.46			
	.8		13797.56	-21705.29			
	1.5		13797.56	-11357.12			
	2.3		13797.56	-1008.95			
	3.0		13797.56	9339.23			

1-18963.06							
	.0		12054.16	-18534.04			
	.8		12054.16	-9493.42			
	1.5		12054.16	-452.80			
	2.3		12054.16	8587.82			
	3.0		12054.16	17628.44			

1-19275.83							
	.0		10218.60	-10417.62			
	.8		10218.60	-2753.66			
	1.5		10218.60	4910.29			
	2.3		10218.60	12574.24			
	3.0		10218.60	20238.20			

1-18406.68							
	.0		8027.68	-3631.70			
	.8		8027.68	2389.06			
	1.5		8027.68	8409.82			
	2.3		8027.68	14430.59			
	3.0		8027.68	20451.35			

1-15552.69							
	.0		5625.13	3586.23			
	.8		5625.13	7805.08			
	1.5		5625.13	12023.93			
	2.3		5625.13	16242.77			
	3.0		5625.13	20461.62			

1 -9931.85							
	.0		1731.49	13415.64			
	.8		1731.49	14714.25			
	1.5		1731.49	16012.87			
	2.3		1731.49	17311.49			
	3.0		1731.49	18610.10			

1 -589.54							
	.0		-10862.60	24680.29			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.8	-10862.60	16533.34			
		1.5	-10862.60	8386.39			
		2.3	-10862.60	239.44			
		3.0	-10862.60	-7907.51			

	1-83441.01						
		.0	27022.56	-75782.55			
		.8	27022.56	-55515.63			
		1.5	27022.56	-35248.71			
		2.3	27022.56	-14981.78			
		3.0	27022.56	5285.14			

	1-73179.29						
		.0	29832.26	-56170.01			
		.8	29832.26	-33795.81			
		1.5	29832.26	-11421.61			
		2.3	29832.26	10952.58			
		3.0	29832.26	33326.78			

	1-64195.95						
		.0	28491.32	-43247.73			
		.8	28491.32	-21879.24			
		1.5	28491.32	-510.75			
		2.3	28491.32	20857.74			
		3.0	28491.32	42226.23			

	1-55197.76						
		.0	26143.77	-34584.07			
		.8	26143.77	-14976.25			
		1.5	26143.77	4631.58			
		2.3	26143.77	24239.40			
		3.0	26143.77	43847.22			

	1-45544.73						
		.0	22743.62	-26113.90			
		.8	22743.62	-9056.19			
		1.5	22743.62	8001.53			
		2.3	22743.62	25059.24			
		3.0	22743.62	42116.96			

	1-34848.56						
		.0	18320.63	-16411.39			
		.8	18320.63	-2670.92			
		1.5	18320.63	11069.55			
		2.3	18320.63	24810.03			
		3.0	18320.63	38550.50			

	1-22799.52						
		.0	12845.22	-4243.92			
		.8	12845.22	5389.99			
		1.5	12845.22	15023.91			
		2.3	12845.22	24657.82			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		3.0	12845.22	34291.73			

1	-2518.24						
		.0	-2471.31	12579.64			
		.8	-2471.31	10726.15			
		1.5	-2471.31	8872.67			
		2.3	-2471.31	7019.18			
		3.0	-2471.31	5165.69			

3	1*****						
		.0	22489.84	-71505.62			
		.8	22489.84	-54638.25			
		1.5	22489.84	-37770.87			
		2.3	22489.84	-20903.49			
		3.0	22489.84	-4036.11			

7	1*****						
		.0	22012.28	-43870.92			
		.8	22012.28	-27361.71			
		1.5	22012.28	-10852.50			
		2.3	22012.28	5656.71			
		3.0	22012.28	22165.92			

1	1-97677.66						
		.0	21398.07	-32696.46			
		.8	21398.07	-16647.90			
		1.5	21398.07	-599.35			
		2.3	21398.07	15449.21			
		3.0	21398.07	31497.76			

5	1-77450.18						
		.0	19002.18	-23839.44			
		.8	19002.18	-9587.81			
		1.5	19002.18	4663.83			
		2.3	19002.18	18915.46			
		3.0	19002.18	33167.10			

9	1-57906.55						
		.0	15601.41	-15417.46			
		.8	15601.41	-3716.40			
		1.5	15601.41	7984.66			
		2.3	15601.41	19685.72			
		3.0	15601.41	31386.78			

3	1-39434.19						
		.0	11257.05	-5872.12			
		.8	11257.05	2570.67			
		1.5	11257.05	11013.46			
		2.3	11257.05	19456.25			
		3.0	11257.05	27899.04			

7	1-22429.11						

sa Statis Portal (8 lantai) Kg/m

M E M B E R E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	6034.10	6059.97			
		.8	6034.10	10585.54			
		1.5	6034.10	15111.12			
		2.3	6034.10	19636.70			
		3.0	6034.10	24162.28			

1	-847.30						
		.0	-10133.39	23441.94			
		.8	-10133.39	15841.90			
		1.5	-10133.39	8241.86			
		2.3	-10133.39	641.81			
		3.0	-10133.39	-6958.23			

4	1*****						
		.0	23530.10	-72324.03			
		.8	23530.10	-54676.46			
		1.5	23530.10	-37028.88			
		2.3	23530.10	-19381.31			
		3.0	23530.10	-1733.73			

8	1*****						
		.0	22584.90	-45744.24			
		.8	22584.90	-28805.57			
		1.5	22584.90	-11866.90			
		2.3	22584.90	5071.78			
		3.0	22584.90	22010.45			

2	1*****						
		.0	20686.45	-31511.96			
		.8	20686.45	-15997.12			
		1.5	20686.45	-482.29			
		2.3	20686.45	15032.55			
		3.0	20686.45	30547.38			

6	1-86114.24						
		.0	18869.45	-23352.75			
		.8	18869.45	-9200.66			
		1.5	18869.45	4951.43			
		2.3	18869.45	19103.52			
		3.0	18869.45	33255.61			

0	1-64374.04						
		.0	16666.29	-16568.70			
		.8	16666.29	-4068.98			
		1.5	16666.29	8430.73			
		2.3	16666.29	20930.45			
		3.0	16666.29	33430.16			

4	1-44590.55						
		.0	13842.19	-9482.49			
		.8	13842.19	899.15			
		1.5	13842.19	11280.79			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDE	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	13842.19	21662.43			
		3.0	13842.19	32044.07			

1	-27459.52						
		.0	11642.19	-1547.14			
		.8	11642.19	7184.50			
		1.5	11642.19	15916.15			
		2.3	11642.19	24647.79			
		3.0	11642.19	33379.44			

1	-6801.59						
		.0	-1739.60	12687.29			
		.8	-1739.60	11382.59			
		1.5	-1739.60	10077.89			
		2.3	-1739.60	8773.19			
		3.0	-1739.60	7468.49			

1	1386.93						
		.0	2366.33	18686.55			
		1.8	-3258.17	17906.19			
		3.5	-8882.67	7282.95			
		5.3	-14507.17	-13183.16			
		7.0	-20131.67	-43492.14			

1	-3853.60						
		.0	-261.06	27873.26			
		1.8	-5885.56	22494.98			
		3.5	-11510.06	7273.82			
		5.3	-17134.56	-17790.21			
		7.0	-22759.06	-52697.12			

1	-6560.45						
		.0	-312.77	28046.05			
		1.8	-5937.27	22577.27			
		3.5	-11561.77	7265.62			
		5.3	-17186.27	-17888.92			
		7.0	-22810.77	-52886.32			

1	-9004.08						
		.0	869.14	23869.90			
		1.8	-4755.36	20469.46			
		3.5	-10379.86	7226.15			
		5.3	-16004.36	-15860.04			
		7.0	-21628.86	-48789.10			

1	-11591.45						
		.0	2853.99	16865.12			
		1.8	-2770.51	16938.16			
		3.5	-8395.01	7168.33			
		5.3	-14019.51	-12444.37			
		7.0	-19644.01	-41899.95			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	-12898.36					
	.0	5620.85	7045.98			
	1.8	-3.65	11961.02			
	3.5	-5628.15	7033.19			
	5.3	-11252.65	-7737.52			
	7.0	-16877.15	-32351.10			

4	1 -1422.76					
	.0	-9869.95	17963.00			
	.8	-11572.45	9922.11			
	1.5	-13274.95	604.33			
	2.3	-14977.45	-9990.31			
	3.0	-16679.95	-21861.84			

7	1 -2512.65					
	.0	-13775.72	23877.38			
	.8	-15478.22	12907.15			
	1.5	-17180.72	660.05			
	2.3	-18883.22	-12863.93			
	3.0	-20585.72	-27664.78			

0	1 -4212.89					
	.0	-13812.57	23923.98			
	.8	-15515.07	12926.12			
	1.5	-17217.57	651.38			
	2.3	-18920.07	-12900.24			
	3.0	-20622.57	-27728.73			

3	1 -5603.93					
	.0	-11975.83	21172.03			
	.8	-13678.33	11551.72			
	1.5	-15380.83	654.53			
	2.3	-17083.33	-11519.53			
	3.0	-18785.83	-24970.46			

6	1 -7168.46					
	.0	-8947.84	16628.40			
	.8	-10650.34	9279.08			
	1.5	-12352.84	652.88			
	2.3	-14055.34	-9250.19			
	3.0	-15757.84	-20430.13			

9	1 -7422.94					
	.0	-4828.12	10443.31			
	.8	-6530.62	6183.79			
	1.5	-8233.12	647.39			
	2.3	-9935.62	-6165.88			
	3.0	-11638.12	-14256.03			

15	1 -945.21					
	.0	2394.22	17972.98			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.8	-3230.28	17241.42			
		3.5	-8854.78	6666.98			
		5.3	-14479.28	-13750.33			
		7.0	-20103.78	-44010.51			
3	1	-1898.45					
		.0	-282.43	27197.59			
		1.8	-5906.93	21781.91			
		3.5	-11531.43	6523.34			
		5.3	-17155.93	-18578.10			
		7.0	-22780.43	-53522.41			
1	1	-1817.00					
		.0	-395.09	27608.47			
		1.8	-6019.59	21995.63			
		3.5	-11644.09	6539.92			
		5.3	-17268.59	-18758.67			
		7.0	-22893.09	-53900.13			
4	1	-2203.17					
		.0	757.80	23614.09			
		1.8	-4866.70	20018.81			
		3.5	-10491.20	6580.64			
		5.3	-16115.70	-16700.39			
		7.0	-21740.20	-49824.30			
7	1	-2824.10					
		.0	2714.51	16828.76			
		1.8	-2909.99	16657.72			
		3.5	-8534.49	6643.81			
		5.3	-14158.99	-13212.98			
		7.0	-19783.49	-42912.65			
10	1	-2199.99					
		.0	5366.96	7583.04			
		1.8	-257.54	12053.79			
		3.5	-5882.04	6681.66			
		5.3	-11506.54	-8533.34			
		7.0	-17131.04	-33591.21			
11	1	-6996.91					
		.0	9342.31	-6070.18			
		1.8	3707.31	5348.23			
		3.5	-1927.69	6905.40			
		5.3	-7562.69	-1398.68			
		7.0	-13197.69	-19564.02			
2	1	-6393.80					
		.0	760.29	2069.24			
		.8	-942.21	2001.02			
		1.5	-2644.71	655.93			
		2.3	-4347.21	-1966.04			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
COMB			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		3.0	-6049.71	-5864.88			

1	3350.99						
		.0	9076.45	-5237.17			
		1.8	3441.45	5716.00			
		3.5	-2193.55	6807.91			
		5.3	-7828.55	-1961.43			
		7.0	-13463.55	-20592.02			

1	-8811.18						
		.0	6912.84	-7951.52			
		1.8	3517.84	1175.33			
		3.5	122.84	4360.92			
		5.3	-3272.16	1605.27			
		7.0	-6667.16	-7091.63			

1	-4859.79						
		.0	2306.73	-1932.17			
		.8	1414.23	-536.81			
		1.5	521.73	189.17			
		2.3	-370.77	245.78			
		3.0	-1263.27	-366.98			

1	1739.60						
		.0	6778.41	-7387.38			
		1.8	3383.41	1504.22			
		3.5	-11.59	4454.56			
		5.3	-3406.59	1463.66			
		7.0	-6801.59	-7468.49			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-21982.90						
	.0	17775.25	-66826.86			
	.8	17775.25	-53495.42			
	1.5	17775.25	-40163.98			
	2.3	17775.25	-26832.54			
	3.0	17775.25	-13501.10			

1-19504.31						
	.0	13619.80	-31792.07			
	.8	13619.80	-21577.22			
	1.5	13619.80	-11362.37			
	2.3	13619.80	-1147.52			
	3.0	13619.80	9067.33			

1-19643.75						
	.0	11890.85	-18375.36			
	.8	11890.85	-9457.22			
	1.5	11890.85	-539.09			
	2.3	11890.85	8379.05			
	3.0	11890.85	17297.19			

1-19864.31						
	.0	10057.51	-10421.55			
	.8	10057.51	-2878.41			
	1.5	10057.51	4664.72			
	2.3	10057.51	12207.85			
	3.0	10057.51	19750.98			

1-18979.69						
	.0	7813.28	-4060.75			
	.8	7813.28	1799.21			
	1.5	7813.28	7659.17			
	2.3	7813.28	13519.13			
	3.0	7813.28	19379.09			

1-16311.07						
	.0	5075.73	1867.56			
	.8	5075.73	5674.36			
	1.5	5075.73	9481.15			
	2.3	5075.73	13287.95			
	3.0	5075.73	17094.74			

1-11449.44						
	.0	1866.45	7326.53			
	.8	1866.45	8726.37			
	1.5	1866.45	10126.20			
	2.3	1866.45	11526.04			
	3.0	1866.45	12925.88			

1 -4297.42						
	.0	-3315.55	11296.68			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-3315.55	8810.01			
		1.5	-3315.55	6323.35			
		2.3	-3315.55	3836.68			
		3.0	-3315.55	1350.02			

1-75234.55		.0	26858.10	-75332.02			
		.8	26858.10	-55188.45			
		1.5	26858.10	-35044.87			
		2.3	26858.10	-14901.29			
		3.0	26858.10	5242.28			

1-65866.46		.0	29711.79	-56011.06			
		.8	29711.79	-33727.22			
		1.5	29711.79	-11443.37			
		2.3	29711.79	10840.47			
		3.0	29711.79	33124.31			

1-57735.41		.0	28365.12	-45142.87			
		.8	28365.12	-21869.03			
		1.5	28365.12	-595.18			
		2.3	28365.12	20678.66			
		3.0	28365.12	41952.50			

1-49570.11		.0	26036.87	-34667.66			
		.8	26036.87	-15140.01			
		1.5	26036.87	4387.64			
		2.3	26036.87	23915.29			
		3.0	26036.87	43442.94			

1-40758.58		.0	22654.42	-26722.91			
		.8	22654.42	-9732.10			
		1.5	22654.42	7258.72			
		2.3	22654.42	24249.53			
		3.0	22654.42	41240.34			

1-30974.37		.0	18401.16	-18603.64			
		.8	18401.16	-4802.77			
		1.5	18401.16	8998.10			
		2.3	18401.16	22798.97			
		3.0	18401.16	36599.84			

1-20028.99		.0	13237.63	-10604.22			
		.8	13237.63	-676.00			
		1.5	13237.63	9252.22			
		2.3	13237.63	19180.43			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 3.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
			13237.63	29108.65			

1	-7949.62						
		.0	8229.77	-5066.08			
		.8	8229.77	1106.25			
		1.5	8229.77	7278.58			
		2.3	8229.77	13450.91			
		3.0	8229.77	19623.23			

1	*****						
		.0	22120.23	-70859.65			
		.8	22120.23	-54269.48			
		1.5	22120.23	-37679.31			
		2.3	22120.23	-21089.13			
		3.0	22120.23	-4498.96			

1	*****						
		.0	21544.77	-43175.08			
		.8	21544.77	-27016.50			
		1.5	21544.77	-10857.92			
		2.3	21544.77	5300.66			
		3.0	21544.77	21459.24			

1	-95547.46						
		.0	20930.60	-32085.05			
		.8	20930.60	-16387.10			
		1.5	20930.60	-689.16			
		2.3	20930.60	15008.79			
		3.0	20930.60	30706.74			

5	1-76410.95						
		.0	18537.15	-23396.98			
		.8	18537.15	-9494.12			
		1.5	18537.15	4408.74			
		2.3	18537.15	18311.60			
		3.0	18537.15	32214.46			

9	1-57946.10						
		.0	15191.94	-15519.26			
		.8	15191.94	-4125.31			
		1.5	15191.94	7268.65			
		2.3	15191.94	18662.60			
		3.0	15191.94	30056.56			

3	1-40474.05						
		.0	10942.53	-7425.02			
		.8	10942.53	781.88			
		1.5	10942.53	8988.78			
		2.3	10942.53	17195.68			
		3.0	10942.53	25402.58			

7	1-24183.10						

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDE	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	5847.89	490.14			
		.8	5847.89	4876.05			
		1.5	5847.89	9261.97			
		2.3	5847.89	13647.88			
		3.0	5847.89	18033.80			

1	-9069.22						
		.0	449.83	6043.12			
		.8	449.83	6380.49			
		1.5	449.83	6717.87			
		2.3	449.83	7055.24			
		3.0	449.83	7392.61			

1	1*****						
		.0	23315.41	-71822.38			
		.8	23315.41	-54335.81			
		1.5	23315.41	-36849.25			
		2.3	23315.41	-19362.69			
		3.0	23315.41	-1876.13			

3	1*****						
		.0	22396.64	-45474.39			
		.8	22396.64	-28676.91			
		1.5	22396.64	-11879.44			
		2.3	22396.64	4918.04			
		3.0	22396.64	21715.52			

2	1*****						
		.0	20493.43	-31311.81			
		.8	20493.43	-15941.74			
		1.5	20493.43	-571.67			
		2.3	20493.43	14798.41			
		3.0	20493.43	30168.48			

6	1-84308.63						
		.0	18658.48	-23305.87			
		.8	18658.48	-9312.01			
		1.5	18658.48	4681.85			
		2.3	18658.48	18675.71			
		3.0	18658.48	32669.57			

0	1-62613.63						
		.0	16443.36	-16987.31			
		.8	16443.36	-4654.79			
		1.5	16443.36	7677.73			
		2.3	16443.36	20010.25			
		3.0	16443.36	32342.77			

4	1-42682.51						
		.0	13699.58	-11083.12			
		.8	13699.58	-808.44			
		1.5	13699.58	9466.25			

sa Statis Portal (8 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.3	13699.58	19740.94			
		3.0	13699.58	30015.62			

1	-24924.47	.0	10386.04	-5737.51			
		.8	10386.04	2052.02			
		1.5	10386.04	9841.55			
		2.3	10386.04	17631.07			
		3.0	10386.04	25420.60			

1	-9413.74	.0	6395.95	-2385.61			
		.8	6395.95	2411.36			
		1.5	6395.95	7208.32			
		2.3	6395.95	12005.29			
		3.0	6395.95	16802.25			

1	1359.45	.0	2478.58	18290.98			
		1.8	-3145.92	17707.06			
		3.5	-8770.42	7280.27			
		5.3	-14394.92	-12989.40			
		7.0	-20019.42	-43101.94			

1	-3864.05	.0	-139.44	27442.69			
		1.8	-5763.94	22277.23			
		3.5	-11388.44	7268.90			
		5.3	-17012.94	-17582.30			
		7.0	-22637.44	-52276.39			

1	-6556.66	.0	-220.56	27718.73			
		1.8	-5845.06	22411.32			
		3.5	-11469.56	7261.03			
		5.3	-17094.06	-17732.13			
		7.0	-22718.56	-52568.17			

1	-8942.77	.0	884.62	23811.73			
		1.8	-4739.88	20438.38			
		3.5	-10364.38	7222.15			
		5.3	-15988.88	-15836.96			
		7.0	-21613.38	-48738.94			

1	-11246.45	.0	2668.62	17511.52			
		1.8	-2955.88	17260.18			
		3.5	-8580.38	7165.95			
		5.3	-14204.88	-12771.14			
		7.0	-19829.38	-42551.12			

sa Statis Portal (8 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
3	1	-13571.73					
		.0	4861.63	9768.21			
		1.8	-762.87	13354.63			
		3.5	-6387.37	7098.17			
		5.3	-12011.87	-9001.17			
		7.0	-17636.37	-34943.38			
1	1	-14395.99					
		.0	7152.02	1629.20			
		1.8	1527.52	9223.80			
		3.5	-4096.98	6975.52			
		5.3	-9721.48	-5115.63			
		7.0	-15345.98	-27049.66			
4	1	-1494.23					
		.0	-10651.33	18151.40			
		.8	-11866.33	9707.28			
		1.5	-13081.33	351.92			
		2.3	-14296.33	-9914.70			
		3.0	-15511.33	-21092.57			
7	1	-2517.38					
		.0	-14506.38	23990.79			
		.8	-15721.38	12655.38			
		1.5	-16936.38	408.71			
		2.3	-18151.38	-12749.20			
		3.0	-19366.38	-26818.36			
0	1	-4228.40					
		.0	-14553.26	24051.99			
		.8	-15768.26	12681.42			
		1.5	-16983.26	399.60			
		2.3	-18198.26	-12793.48			
		3.0	-19413.26	-26897.80			
3	1	-5560.32					
		.0	-12801.85	21426.91			
		.8	-14016.85	11369.90			
		1.5	-15231.85	401.65			
		2.3	-16446.85	-11477.86			
		3.0	-17661.85	-24268.62			
6	1	-6993.19					
		.0	-10045.17	17292.87			
		.8	-11260.17	9303.36			
		1.5	-12475.17	402.61			
		2.3	-13690.17	-9409.40			
		3.0	-14905.17	-20132.65			
9	1	-8408.19					
		.0	-6690.99	12260.69			

Analisa Statis Portal (8 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.8	-7905.99	6786.82			
		1.5	-9120.99	401.70			
		2.3	-10335.99	-6894.66			
		3.0	-11550.99	-15102.28			

2	1	-9388.14					
		.0	-3266.62	7125.07			
		.8	-4481.62	4219.49			
		1.5	-5696.62	402.65			
		2.3	-6911.62	-4325.44			
		3.0	-8126.62	-9964.77			

5	1	-918.78					
		.0	2508.74	17583.55			
		1.8	-3115.76	17052.41			
		3.5	-8740.26	6678.40			
		5.3	-14364.76	-13538.49			
		7.0	-19989.26	-43598.26			

8	1	-1903.21					
		.0	-144.32	26725.93			
		1.8	-5768.82	21551.93			
		3.5	-11393.32	6535.05			
		5.3	-17017.82	-18324.70			
		7.0	-22642.32	-53027.33			

1	1	-1834.95					
		.0	-276.75	27205.92			
		1.8	-5901.25	21800.16			
		3.5	-11525.75	6551.54			
		5.3	-17150.25	-18539.97			
		7.0	-22774.75	-53474.35			

4	1	-2215.12					
		.0	803.00	23465.10			
		1.8	-4821.50	19948.92			
		3.5	-10446.00	6589.86			
		5.3	-16070.50	-16612.07			
		7.0	-21695.00	-49656.88			

7	1	-2743.78					
		.0	2566.88	17348.92			
		1.8	-3057.62	16919.53			
		3.5	-8682.12	6647.27			
		5.3	-14306.62	-13467.88			
		7.0	-19931.12	-43425.89			

0	1	-3313.54					
		.0	4739.96	9810.17			
		1.8	-884.54	13183.66			
		3.5	-6509.04	6714.27			
		5.3	-12133.54	-9598.00			

isa Statis Portal (8 lantai) Kg/m

A M E E L E M E N T F O R C E S

T D	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
3			7.0	-17758.04	-35753.13			

	1	-3990.09						
			.0	6987.27	2025.90			
			1.8	1362.77	9332.19			
			3.5	-4261.73	6795.60			
			5.3	-9886.23	-5583.87			
			7.0	-15510.73	-27806.21			

4								
	1	-15075.55						
			.0	4297.42	1350.02			
			1.8	902.42	5899.88			
			3.5	-2492.58	4508.48			
			5.3	-5887.58	-2824.16			
			7.0	-9282.58	-16098.05			

5								
	1	-6845.78						
			.0	-1332.96	3525.19			
			.8	-2225.46	2190.78			
			1.5	-3117.96	187.00			
			2.3	-4010.46	-2486.15			
			3.0	-4902.96	-5828.68			

6								
	1	-6395.95						
			.0	4166.26	1563.93			
			1.8	771.26	5884.26			
			3.5	-2623.74	4263.34			
			5.3	-6018.74	-3298.83			
			7.0	-9413.74	-16802.25			

sa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.001186	-.000037	-.000823
6	.001670	-.000294	-.000545
7	.001920	-.000749	-.000961
8	.002661	-.000858	-.000820
9	.003640	-.000059	-.001001
0	.004267	-.000575	-.000670
1	.004631	-.001348	-.000949
2	.005476	-.001568	-.000643
3	.006416	-.000093	-.001037
4	.006996	-.000854	-.000661
5	.007293	-.001816	-.000923
6	.008038	-.002139	-.000596
7	.009129	-.000141	-.000984
8	.009571	-.001113	-.000596
9	.009769	-.002163	-.000852
0	.010394	-.002578	-.000515
1	.011585	-.000196	-.000886
2	.011851	-.001339	-.000494
3	.011942	-.002405	-.000748
4	.012419	-.002896	-.000394
5	.013662	-.000252	-.000754
6	.013718	-.001519	-.000357
7	.013697	-.002560	-.000611
8	.014008	-.003107	-.000253
9	.015218	-.000297	-.000552
0	.015070	-.001641	-.000199
1	.014946	-.002643	-.000454
2	.015110	-.003225	-.000088
3	.016168	-.000315	-.000482
4	.015884	-.001692	-.000058
5	.015764	-.002674	-.000424
6	.015637	-.003264	.000088

sa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.004614	-.000064	-.001699
6	.005258	-.000405	-.001362
7	.005534	-.000835	-.001774
8	.005970	-.000888	-.001701
9	.007652	-.000080	-.000947
0	.008279	-.000656	-.000595
1	.008627	-.001410	-.000868
2	.009556	-.001595	-.000621
3	.010397	-.000120	-.001040
4	.010968	-.000932	-.000667
5	.011274	-.001880	-.000934
6	.012026	-.002166	-.000574
7	.013102	-.000171	-.000980
8	.013537	-.001188	-.000592
9	.013736	-.002226	-.000844
0	.014359	-.002606	-.000511
1	.015543	-.000230	-.000882
2	.015801	-.001412	-.000490
3	.015892	-.002468	-.000744
4	.016370	-.002925	-.000390
5	.017605	-.000288	-.000751
6	.017656	-.001590	-.000355
7	.017636	-.002622	-.000608
8	.017948	-.003136	-.000250
9	.019151	-.000334	-.000550
0	.018999	-.001712	-.000197
1	.018876	-.002705	-.000452
2	.019042	-.003254	-.000085
3	.020097	-.000353	-.000482
4	.019809	-.001762	-.000058
5	.019688	-.002736	-.000422
6	.019560	-.003292	.000091

sa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.008654	-.000082	-.004129
	.008751	-.000433	-.003610
	.008787	-.000800	-.004026
	.008856	-.000867	-.003961
	.020418	-.000138	-.002565
	.021051	-.000809	-.002248
	.021346	-.001506	-.002556
	.021828	-.001633	-.002551
	.024049	-.000154	-.000899
	.024624	-.001017	-.000528
	.024923	-.001933	-.000802
	.025878	-.002197	-.000502
	.026713	-.000210	-.001005
	.027157	-.001270	-.000613
	.027386	-.002287	-.000869
	.028019	-.002637	-.000477
	.029179	-.000271	-.000883
	.029436	-.001490	-.000488
	.029531	-.002530	-.000733
	.030004	-.002956	-.000390
	.031236	-.000331	-.000748
	.031280	-.001667	-.000352
	.031261	-.002684	-.000605
	.031576	-.003167	-.000247
	.032771	-.000378	-.000548
	.032615	-.001787	-.000196
	.032494	-.002768	-.000449
	.032662	-.003285	-.000082
	.033713	-.000397	-.000482
	.033421	-.001837	-.000057
	.033298	-.002798	-.000419
	.033171	-.003324	.000095

sa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
1	.010126	-.000090	-.005228
1	.010136	-.000445	-.004519
1	.010098	-.000777	-.004879
3	.010067	-.000858	-.004762
3	.028284	-.000165	-.005602
3	.028225	-.000837	-.005109
2	.028237	-.001455	-.005442
2	.028273	-.001606	-.005511
3	.042392	-.000227	-.002809
4	.042940	-.001178	-.002482
5	.043178	-.002032	-.002795
5	.043642	-.002240	-.002772
7	.046082	-.000252	-.000834
3	.046536	-.001352	-.000456
9	.046760	-.002338	-.000720
0	.047634	-.002671	-.000390
1	.048509	-.000316	-.000917
2	.048783	-.001570	-.000516
3	.048915	-.002590	-.000765
4	.049400	-.002990	-.000352
5	.050607	-.000377	-.000751
6	.050654	-.001744	-.000351
7	.050640	-.002745	-.000595
8	.050949	-.003202	-.000250
9	.052143	-.000425	-.000548
0	.051983	-.001863	-.000194
1	.051862	-.002829	-.000448
2	.052032	-.003320	-.000080
3	.053081	-.000445	-.000481
4	.052784	-.001912	-.000056
5	.052660	-.002859	-.000416
6	.052533	-.003359	.000098

sa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
0	.000000	.000000	.000000
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.010510	-.000095	-.005519
5	.010547	-.000449	-.004811
6	.010518	-.000761	-.005167
7	.010490	-.000854	-.005060
8	.030731	-.000177	-.006798
9	.030592	-.000847	-.006103
0	.030535	-.001421	-.006384
1	.030477	-.001595	-.006407
2	.051349	-.000258	-.005839
3	.051210	-.001198	-.005333
4	.051185	-.001976	-.005672
5	.051213	-.002212	-.005721
6	.065437	-.000329	-.002723
7	.065846	-.001500	-.002389
8	.066011	-.002429	-.002688
9	.066405	-.002712	-.002632
0	.068866	-.000360	-.000745
1	.069152	-.001641	-.000362
2	.069278	-.002634	-.000620
3	.070002	-.003022	-.000268
4	.070927	-.000423	-.000787
5	.070994	-.001814	-.000379
6	.071016	-.002798	-.000628
7	.071338	-.003234	-.000213
8	.072508	-.000471	-.000551
9	.072352	-.001931	-.000194
0	.072236	-.002882	-.000438
1	.072400	-.003353	-.000082
2	.073451	-.000491	-.000482
3	.073149	-.001980	-.000055
4	.073024	-.002912	-.000414
5	.072897	-.003391	.000101

aa Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.010563	-.000099	-.005573
	.010605	-.000448	-.004867
	.010578	-.000750	-.005226
	.010551	-.000850	-.005122
	.031240	-.000186	-.007077
	.031126	-.000845	-.006381
	.031078	-.001398	-.006657
	.031024	-.001588	-.006689
	.053735	-.000274	-.006914
	.053524	-.001198	-.006227
	.053438	-.001939	-.006520
	.053382	-.002199	-.006529
	.073673	-.000363	-.005450
	.073459	-.001504	-.004951
	.073400	-.002374	-.005276
	.073403	-.002684	-.005283
	.086468	-.000437	-.002444
	.086699	-.001759	-.002102
	.086773	-.002710	-.002389
	.087066	-.003056	-.002283
	.089420	-.000469	-.000629
	.089498	-.001864	-.000241
	.089513	-.002830	-.000498
	.090050	-.003259	-.000138
	.090968	-.000518	-.000584
	.090832	-.001982	-.000219
	.090747	-.002922	-.000468
	.090922	-.003378	-.000049
	.091953	-.000537	-.000488
	.091656	-.002030	-.000056
	.091533	-.002953	-.000402
	.091400	-.003416	.000095

Sta Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.010501	-.000105	-.005549
	.010542	-.000443	-.004845
	.010515	-.000741	-.005204
	.010487	-.000847	-.005098
	.031152	-.000198	-.007101
	.031041	-.000835	-.006407
	.030995	-.001381	-.006686
	.030941	-.001581	-.006720
	.053959	-.000293	-.007125
	.053769	-.001182	-.006438
	.053690	-.001913	-.006728
	.053637	-.002188	-.006743
	.075387	-.000389	-.006320
	.075113	-.001485	-.005672
	.075005	-.002338	-.005962
	.074939	-.002668	-.005935
	.092971	-.000480	-.004693
	.092680	-.001739	-.004209
	.092582	-.002660	-.004521
	.092551	-.003028	-.004465
	.103665	-.000549	-.002031
	.103681	-.001937	-.001681
	.103654	-.002887	-.001958
	.103835	-.003282	-.001801
	.105931	-.000572	-.000448
	.105809	-.002000	-.000105
	.105717	-.002942	-.000359
	.106073	-.003394	.000008
	.106894	-.000591	-.000527
	.106616	-.002049	-.000085
	.106520	-.002978	-.000448
	.106389	-.003432	.000145

la Statis Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.010399	-.000117	-.005499
	.010439	-.000464	-.004805
	.010412	-.000763	-.005148
	.010385	-.000845	-.005047
	.030867	-.000221	-.007047
	.030756	-.000872	-.006361
	.030709	-.001419	-.006628
	.030654	-.001579	-.006665
	.053542	-.000327	-.007108
	.053352	-.001229	-.006431
	.053274	-.001963	-.006709
	.053221	-.002186	-.006731
	.075085	-.000434	-.006439
	.074825	-.001536	-.005800
	.074721	-.002394	-.006074
	.074657	-.002665	-.006056
	.093643	-.000537	-.005293
	.093308	-.001790	-.004709
	.093175	-.002717	-.004985
	.093094	-.003023	-.004906
	.107736	-.000623	-.003654
	.107364	-.001984	-.003200
	.107226	-.002936	-.003484
	.107162	-.003271	-.003369
	.115631	-.000678	-.001471
	.115429	-.002111	-.001152
	.115310	-.003061	-.001424
	.115407	-.003424	-.001199
	.117031	-.000682	-.000328
	.116776	-.002125	.000057
	.116686	-.003066	-.000301
	.116736	-.003462	.000174



Statistika Portal (8 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.010245	-.000121	-.005425
	.010284	-.000415	-.004734
	.010256	-.000732	-.005090
	.010230	-.000826	-.004978
	.030437	-.000229	-.006960
	.030325	-.000778	-.006280
	.030279	-.001365	-.006556
	.030224	-.001541	-.006582
	.052836	-.000337	-.007033
	.052647	-.001097	-.006360
	.052568	-.001892	-.006649
	.052515	-.002132	-.006659
	.074182	-.000447	-.006403
	.073923	-.001370	-.005767
	.073820	-.002314	-.006054
	.073756	-.002597	-.006027
	.092764	-.000551	-.005368
	.092439	-.001595	-.004787
	.092310	-.002634	-.005072
	.092230	-.002942	-.004990
	.107549	-.000641	-.004088
	.107157	-.001766	-.003571
	.107001	-.002857	-.003858
	.106906	-.003178	-.003711
	.117981	-.000705	-.002720
	.117566	-.001876	-.002322
	.117391	-.002990	-.002607
	.117276	-.003315	-.002382
	.124466	-.000728	-.001866
	.124031	-.001920	-.001338
	.123904	-.003040	-.001699
	.123719	-.003367	-.001408

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STRUCTURAL ANALYSIS PROGRAMS

VERSION 5.20

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N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
:	.000000	.000000	.000000
:	.000000	.000000	.000000
	.010920	.001528	-.004298
:	.014625	-.000958	-.003457
:	.020393	-.002187	-.002679
:	.028797	.002544	-.004213
3	.031007	-.001631	-.002369
2	.034150	-.003318	-.000568
)	.042229	.002886	-.002436
1	.039917	-.001940	-.000968
2	.040484	-.003790	.000520
3	.042852	.002821	-.000556
4	.042452	-.002066	-.000371
5	.042336	-.003906	.000320

sa Statis Portal (4 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.094476	.001094	-.015394
	.097079	-.001688	-.014591
	.101310	-.002625	-.013778
	.114568	.002284	-.002234
1	.117134	-.002088	-.000599
2	.120961	-.003684	.001003
3	.127974	.002596	-.002857
4	.125701	-.002441	-.001287
5	.126225	-.004173	.000338
6	.128762	.002531	-.000512
7	.128349	-.002554	-.000326
8	.128240	-.004288	.000333

sa Statis Portal (4 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

U(X)	U(Y)	R(Z)
.000000	.000000	.000000
.000000	.000000	.000000
.000000	.000000	.000000
.161980	.000908	-.041845
.160302	-.001514	-.041117
.160011	-.002422	-.040105
.356645	.001533	-.019836
.356410	-.002701	-.018987
.358615	-.004150	-.017911
.372993	.002200	.000320
.371636	-.002672	.001548
.373302	-.004492	.003097
.374034	.002116	-.001141
.373652	-.002889	-.000765
.373418	-.004621	.000104

a Statis Portal (4 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

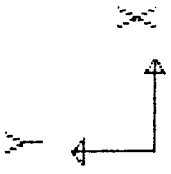
U(X)	U(Y)	R(Z)
.000000	.000000	.000000
.000000	.000000	.000000
.000000	.000000	.000000
.222114	.002078	-.061725
.220299	-.001366	-.061137
.219862	-.003542	-.059464
.584035	.003634	-.063654
.583602	-.002401	-.063619
.583542	-.006154	-.062685
.859410	.004645	-.026308
.858011	-.003114	-.025191
.860385	-.007804	-.023657
.878611	.005627	.001330
.877791	-.002480	.001812
.878761	-.007810	.002522

sa Statis Portal (4 lantai) Kg/m

N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

	U(X)	U(Y)	R(Z)
	.000000	.000000	.000000
	.000000	.000000	.000000
	.000000	.000000	.000000
	.178006	.000845	-.049117
	.176110	-.001173	-.048039
	.175647	-.002316	-.046474
	.457046	.001321	-.047003
	.452896	-.002014	-.046148
	.451533	-.003858	-.044687
	.660380	.001452	-.025134
	.654492	-.002525	-.024873
	.652656	-.004648	-.023920
	.728209	.001499	-.004015
	.727777	-.002711	-.004550
	.727518	-.004938	-.003664



B-P
UNDEFORMED
SHAPE

OPTIONS
JOINT IDS
ELEMENT IDS
WIRE FRAME

SAP90

49	53	89	54	90	55	91	52
45	48	86	50	87	51	88	48
41	45	83	46	84	47	85	44
37	41	80	42	81	43	82	40
33	37	77	38	78	39	79	36
29	33	74	34	75	35	76	32
25	29	71	30	72	31	73	28
21	25	68	26	69	27	70	24
17	21	65	22	66	23	67	20
13	17	62	18	63	19	64	16
9	13	59	14	60	15	61	12
5	9	56	10	57	11	58	8
1	5	53	6	54	7	55	4
	1	50	2	51	3	52	

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ

1	56984.77					
		.0	5450.63	-34238.32		
		1.0	5450.63	-28787.69		
		2.0	5450.63	-23337.06		
		3.0	5450.63	-17886.42		
		4.0	5450.63	-12435.79		
3	-----					
1	42781.04					
		.0	1313.76	-9415.44		
		1.0	1313.76	-8101.68		
		2.0	1313.76	-6787.93		
		3.0	1313.76	-5474.17		
		4.0	1313.76	-4160.41		
9	-----					
1	16843.36					
		.0	501.47	-3503.39		
		1.0	501.47	-3001.93		
		2.0	501.47	-2500.46		
		3.0	501.47	-1999.00		
		4.0	501.47	-1497.53		
3	-----					
1	-8036.64					
		.0	-522.11	359.57		
		1.0	-522.11	-162.54		
		2.0	-522.11	-684.65		
		3.0	-522.11	-1206.76		
		4.0	-522.11	-1728.87		
7	-----					
1	-29193.87					
		.0	-1271.10	2637.13		
		1.0	-1271.10	1366.03		
		2.0	-1271.10	94.93		
		3.0	-1271.10	-1176.16		
		4.0	-1271.10	-2447.26		
1	-----					
1	-46074.70					
		.0	-1963.20	4613.65		
		1.0	-1963.20	2650.45		
		2.0	-1963.20	687.25		
		3.0	-1963.20	-1275.95		
		4.0	-1963.20	-3239.15		
5	-----					
1	-58499.81					
		.0	-2683.68	6615.48		
		1.0	-2683.68	3931.80		
		2.0	-2683.68	1248.11		
		3.0	-2683.68	-1435.57		
		4.0	-2683.68	-4119.26		
9	-----					
1	-66216.19					
		.0	-3448.58	8674.16		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORG
		1.0	-3448.58	5225.57			
		2.0	-3448.58	1776.99			
		3.0	-3448.58	-1671.59			
		4.0	-3448.58	-5120.18			

	1-68897.62	.0	-4265.75	10799.85			
		1.0	-4265.75	6534.10			
		2.0	-4265.75	2268.35			
		3.0	-4265.75	-1997.41			
		4.0	-4265.75	-6263.16			

	1-66151.45	.0	-5143.80	13009.38			
		1.0	-5143.80	7865.58			
		2.0	-5143.80	2721.78			
		3.0	-5143.80	-2422.02			
		4.0	-5143.80	-7565.82			

	1-57518.56	.0	-6088.47	15325.73			
		1.0	-6088.47	9237.26			
		2.0	-6088.47	3148.79			
		3.0	-6088.47	-2939.68			
		4.0	-6088.47	-9028.15			

	1-42451.65	.0	-7059.86	17814.51			
		1.0	-7059.86	10754.65			
		2.0	-7059.86	3694.79			
		3.0	-7059.86	-3365.07			
		4.0	-7059.86	-10424.93			

	1-20226.74	.0	-10501.64	20746.29			
		1.0	-10501.64	10244.65			
		2.0	-10501.64	-256.98			
		3.0	-10501.64	-10758.62			
		4.0	-10501.64	-21260.25			

	1*****	.0	11797.85	-48654.21			
		1.0	11797.85	-36856.36			
		2.0	11797.85	-25058.50			
		3.0	11797.85	-13260.65			
		4.0	11797.85	-1462.79			

	1*****	.0	3289.83	-10329.15			
		1.0	3289.83	-7039.31			
		2.0	3289.83	-3749.48			
		3.0	3289.83	-459.64			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD) COMB	AXIAL FORCE ENDI	DIST 4.0	1-2 PLANE		1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1*****							
	.0		3850.16	-9630.17			
	1.0		3850.16	-5780.01			
	2.0		3850.16	-1929.85			
	3.0		3850.16	1920.31			
	4.0		3850.16	5770.48			
4	-----						
1*****							
	.0		2936.11	-6395.96			
	1.0		2936.11	-3459.85			
	2.0		2936.11	-523.73			
	3.0		2936.11	2412.38			
	4.0		2936.11	5348.49			
8	-----						
1*****							
	.0		2226.88	-4387.73			
	1.0		2226.88	-2160.85			
	2.0		2226.88	66.04			
	3.0		2226.88	2292.92			
	4.0		2226.88	4519.80			
2	-----						
1*****							
	.0		1374.04	-2127.55			
	1.0		1374.04	-753.52			
	2.0		1374.04	620.52			
	3.0		1374.04	1994.56			
	4.0		1374.04	3368.60			
16	-----						
1*****							
	.0		370.11	408.12			
	1.0		370.11	778.23			
	2.0		370.11	1148.35			
	3.0		370.11	1518.46			
	4.0		370.11	1888.57			
30	-----						
1*****							
	.0		-783.84	3212.83			
	1.0		-783.84	2428.99			
	2.0		-783.84	1645.15			
	3.0		-783.84	861.30			
	4.0		-783.84	77.46			
54	-----						
1*****							
	.0		-2085.96	6280.72			
	1.0		-2085.96	4194.76			
	2.0		-2085.96	2108.80			
	3.0		-2085.96	22.85			
	4.0		-2085.96	-2063.11			
58	-----						
1-92060.27							

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3532.80	9604.83			
		1.0	-3532.80	6072.04			
		2.0	-3532.80	2539.24			
		3.0	-3532.80	-993.56			
		4.0	-3532.80	-4526.35			

	1-64373.96						
		.0	-5113.27	13187.59			
		1.0	-5113.27	8074.32			
		2.0	-5113.27	2961.04			
		3.0	-5113.27	-2152.23			
		4.0	-5113.27	-7265.51			

	1-39727.02						
		.0	-7041.53	17086.48			
		1.0	-7041.53	10044.95			
		2.0	-7041.53	3003.42			
		3.0	-7041.53	-4038.11			
		4.0	-7041.53	-11079.63			

	1-16446.49						
		.0	-10102.15	20252.63			
		1.0	-10102.15	10150.48			
		2.0	-10102.15	48.33			
		3.0	-10102.15	-10053.82			
		4.0	-10102.15	-20155.96			

	1*****						
		.0	31420.11	-84796.92			
		1.0	31420.11	-53376.82			
		2.0	31420.11	-21956.71			
		3.0	31420.11	9463.39			
		4.0	31420.11	40883.50			

	1*****						
		.0	21266.33	-43788.15			
		1.0	21266.33	-22521.82			
		2.0	21266.33	-1255.49			
		3.0	21266.33	20010.84			
		4.0	21266.33	41277.16			

	1*****						
		.0	21047.99	-42600.84			
		1.0	21047.99	-21552.84			
		2.0	21047.99	-504.85			
		3.0	21047.99	20543.15			
		4.0	21047.99	41591.14			

	1*****						
		.0	20973.82	-42105.22			
		1.0	20973.82	-21131.41			
		2.0	20973.82	-157.59			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		3.0	20973.82	20816.22		
		4.0	20973.82	41790.04		

	1*****					
		.0	20658.19	-40957.53		
		1.0	20658.19	-20299.34		
		2.0	20658.19	358.85		
		3.0	20658.19	21017.04		
		4.0	20658.19	41675.23		
3	-----					
	1*****					
		.0	20096.03	-39301.32		
		1.0	20096.03	-19205.29		
		2.0	20096.03	890.74		
		3.0	20096.03	20986.77		
		4.0	20096.03	41082.80		
7	-----					
	1*****					
		.0	19337.94	-37290.15		
		1.0	19337.94	-17952.21		
		2.0	19337.94	1385.73		
		3.0	19337.94	20723.68		
		4.0	19337.94	40061.62		
1	-----					
	1*****					
		.0	18384.65	-34917.29		
		1.0	18384.65	-16532.65		
		2.0	18384.65	1852.00		
		3.0	18384.65	20236.65		
		4.0	18384.65	38621.30		
5	-----					
	1*****					
		.0	17241.30	-32198.66		
		1.0	17241.30	-14957.35		
		2.0	17241.30	2283.95		
		3.0	17241.30	19525.25		
		4.0	17241.30	36766.56		
9	-----					
	1*****					
		.0	15922.13	-29157.20		
		1.0	15922.13	-13235.07		
		2.0	15922.13	2687.06		
		3.0	15922.13	18609.19		
		4.0	15922.13	34531.32		
3	-----					
	1*****					
		.0	14370.08	-25781.85		
		1.0	14370.08	-11411.77		
		2.0	14370.08	2958.30		
		3.0	14370.08	17328.38		
		4.0	14370.08	31698.45		

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M E E L E M E N T F O R C E S

LOAD) COMB	AXIAL FORCE ENDI	DIST	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

	1-72460.85						
	.0		13116.53	-22381.35			
	1.0		13116.53	-9264.82			
	2.0		13116.53	3851.71			
	3.0		13116.53	16968.25			
	4.0		13116.53	30084.78			
1	-----						
	1-26291.49						
	.0		10402.59	-16061.06			
	1.0		10402.59	-5658.47			
	2.0		10402.59	4744.11			
	3.0		10402.59	15146.70			
	4.0		10402.59	25549.28			
4	-----						
	1*****						
	.0		34953.18	-99476.17			
	1.0		34953.18	-64522.99			
	2.0		34953.18	-29569.81			
	3.0		34953.18	5383.37			
	4.0		34953.18	40336.54			
8	-----						
	1*****						
	.0		11041.29	-18176.96			
	1.0		11041.29	-7135.66			
	2.0		11041.29	3905.63			
	3.0		11041.29	14946.92			
	4.0		11041.29	25988.21			
2	-----						
	1*****						
	.0		13419.73	-27581.70			
	1.0		13419.73	-14161.98			
	2.0		13419.73	-742.25			
	3.0		13419.73	12677.48			
	4.0		13419.73	26097.21			
6	-----						
	1*****						
	.0		13257.46	-26670.28			
	1.0		13257.46	-13412.82			
	2.0		13257.46	-155.37			
	3.0		13257.46	13102.09			
	4.0		13257.46	26359.55			
0	-----						
	1*****						
	.0		12945.66	-25418.21			
	1.0		12945.66	-12472.55			
	2.0		12945.66	473.11			
	3.0		12945.66	13418.77			
	4.0		12945.66	26364.43			
4	-----						
	1*****						
	.0		12565.87	-24088.04			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	12565.87	-11522.16			
		2.0	12565.87	1043.71			
		3.0	12565.87	13609.58			
		4.0	12565.87	26175.45			

		.0	12097.69	-22610.80			
		1.0	12097.69	-10513.11			
		2.0	12097.69	1584.59			
		3.0	12097.69	13682.28			
		4.0	12097.69	25779.97			

		.0	11539.14	-20986.49			
		1.0	11539.14	-9447.35			
		2.0	11539.14	2091.79			
		3.0	11539.14	13630.93			
		4.0	11539.14	25170.07			

		.0	10882.90	-19204.56			
		1.0	10882.90	-8321.67			
		2.0	10882.90	2561.23			
		3.0	10882.90	13444.13			
		4.0	10882.90	24327.02			

		.0	10114.86	-17264.03			
		1.0	10114.86	-7149.17			
		2.0	10114.86	2965.70			
		3.0	10114.86	13080.56			
		4.0	10114.86	23195.42			

		.0	9336.31	-15213.32			
		1.0	9336.31	-5877.02			
		2.0	9336.31	3459.29			
		3.0	9336.31	12795.59			
		4.0	9336.31	22131.90			

		.0	8560.80	-12589.46			
		1.0	8560.80	-4028.65			
		2.0	8560.80	4532.15			
		3.0	8560.80	13092.96			
		4.0	8560.80	21653.76			

		.0	5812.70	-8035.73			
		1.0	5812.70	-2223.03			
		2.0	5812.70	3589.66			
		3.0	5812.70	9402.36			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	53285.20	.0	12260.52	-3131.51			
		2.0	5120.52	14249.53			
		4.0	-10219.48	17350.58			
		6.0	-17359.48	-10228.38			
		8.0	-24499.48	-52087.34			

1	68816.25	.0	11848.96	-833.20			
		2.0	4708.96	15724.71			
		4.0	-10631.04	18002.63			
		6.0	-17771.04	-10399.45			
		8.0	-24911.04	-53081.54			

1	63830.52	.0	12177.93	-2026.65			
		2.0	5037.93	15189.22			
		4.0	-10302.07	18125.08			
		6.0	-17442.07	-9619.05			
		8.0	-24582.07	-51643.18			

1	53638.18	.0	12810.10	-4520.80			
		2.0	5670.10	13959.41			
		4.0	-9669.90	18159.62			
		6.0	-16809.90	-8320.18			
		8.0	-23949.90	-49079.97			

1	42630.38	.0	13477.86	-7198.02			
		2.0	6337.86	12617.70			
		4.0	-9002.14	18153.42			
		6.0	-16142.14	-6990.87			
		8.0	-23282.14	-46415.15			

1	31393.56	.0	14168.19	-9973.67			
		2.0	7028.19	11222.72			
		4.0	-8311.81	18139.10			
		6.0	-15451.81	-5624.52			
		8.0	-22591.81	-43668.14			

1	19735.74	.0	14892.85	-12893.73			
		2.0	7752.85	9751.98			
		4.0	-7587.15	18117.69			
		6.0	-14727.15	-4196.60			
		8.0	-21867.15	-40790.90			

1	7524.81						

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR MOMENT		1-3 PLANE SHEAR MOMENT		AXIAL TORQ
		.0	15662.52	-16000.68			
		2.0	8522.52	8184.36			
		4.0	-6817.48	18089.39			
		6.0	-13957.48	-2685.57			
		8.0	-21097.48	-37740.53			
7 -----							
1	-5353.87						
		.0	16486.87	-19332.33			
		2.0	9346.87	6501.41			
		4.0	-5993.13	18055.15			
		6.0	-13133.13	-1071.10			
		8.0	-20273.13	-34477.36			
) -----							
1	-19013.21						
		.0	17376.26	-22929.05			
		2.0	10236.26	4683.46			
		4.0	-5103.74	18015.98			
		6.0	-12243.74	668.50			
		8.0	-19383.74	-30958.98			
3 -----							
1	-33642.58						
		.0	18347.95	-26856.10			
		2.0	11207.95	2699.80			
		4.0	-4132.05	17975.69			
		6.0	-11272.05	2571.58			
		8.0	-18412.05	-27112.52			
5 -----							
1	-47141.64						
		.0	19386.24	-31157.62			
		2.0	12246.24	474.85			
		4.0	-3093.76	17827.32			
		6.0	-10233.76	4499.79			
		8.0	-17373.76	-23107.73			
4 -----							
1	64626.87						
		.0	25962.85	-43520.03			
		3.0	15402.85	18528.54			
		6.0	-3357.15	32497.10			
		9.0	-22117.15	-1614.34			
		12.0	-32677.15	-83805.77			
7 -----							
1	92416.09						
		.0	25600.71	-40990.37			
		3.0	15040.71	19971.77			
		6.0	-3719.29	32853.91			
		9.0	-22479.29	-2343.95			
		12.0	-33039.29	-85621.82			
) -----							
1	95954.88						
		.0	25444.01	-39846.26			
		3.0	14884.01	20645.76			
		6.0	-3875.99	33057.78			

sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		9.0	-22635.99	-2610.20			
		12.0	-33195.99	-86358.18			
3	1	93362.56					
		.0	25428.07	-39698.28			
		3.0	14868.07	20745.94			
		6.0	-3891.93	33110.16			
		9.0	-22651.93	-2605.62			
		12.0	-33211.93	-86401.40			
6	1	88865.08					
		.0	25502.43	-40102.55			
		3.0	14942.43	20564.75			
		6.0	-3817.57	33152.05			
		9.0	-22577.57	-2340.64			
		12.0	-33137.57	-85913.34			
9	1	82550.83					
		.0	25661.39	-41017.62			
		3.0	15101.39	20126.55			
		6.0	-3658.61	33190.71			
		9.0	-22418.61	-1825.12			
		12.0	-32978.61	-84920.95			
2	1	74531.47					
		.0	25896.66	-42395.28			
		3.0	15336.66	19454.70			
		6.0	-3423.34	33224.68			
		9.0	-22183.34	-1085.35			
		12.0	-32743.34	-83475.37			
5	1	64959.78					
		.0	26200.58	-44189.18			
		3.0	15640.58	18572.54			
		6.0	-3119.42	33254.27			
		9.0	-21879.42	-144.00			
		12.0	-32439.42	-81622.28			
8	1	53996.22					
		.0	26565.09	-46351.21			
		3.0	16005.09	17504.06			
		6.0	-2754.91	33279.33			
		9.0	-21514.91	974.60			
		12.0	-32074.91	-79410.13			
11	1	41828.65					
		.0	26982.53	-48834.72			
		3.0	16422.53	16272.88			
		6.0	-2337.47	33300.48			
		9.0	-21097.47	2248.07			
		12.0	-31657.47	-76884.33			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ

1	29000.44						
	.0		27439.51	-51576.98			
	3.0		16879.51	14901.55			
	6.0		-1880.49	33300.08			
	9.0		-20640.49	3618.62			
	12.0		-31200.49	-74142.85			

7	1 14430.20						
	.0		27949.16	-54513.51			
	3.0		17389.16	13493.97			
	6.0		-1370.84	33421.45			
	9.0		-20130.84	5268.93			
	12.0		-30690.84	-70963.59			

5	1 83215.83						
	.0		11022.35	556.81			
	2.0		3882.35	15461.52			
	4.0		-11457.65	16086.22			
	6.0		-18597.65	-13969.08			
	8.0		-25737.65	-58304.38			

8	1100692.64						
	.0		11972.59	-2136.54			
	2.0		4832.59	14668.63			
	4.0		-10507.41	17193.80			
	6.0		-17647.41	-10961.03			
	8.0		-24787.41	-53395.86			

.1	1 94677.84						
	.0		12184.08	-3033.45			
	2.0		5044.08	14194.70			
	4.0		-10295.92	17142.86			
	6.0		-17435.92	-10588.99			
	8.0		-24575.92	-52600.84			

.4	1 90008.35						
	.0		12429.17	-4013.34			
	2.0		5289.17	13704.99			
	4.0		-10050.83	17143.33			
	6.0		-17190.83	-10098.33			
	8.0		-24330.83	-51619.99			

.57	1 84425.22						
	.0		12751.62	-5278.62			
	2.0		5611.62	13084.62			
	4.0		-9728.38	17167.85			
	6.0		-16868.38	-9428.91			
	8.0		-24008.38	-50305.67			

.70	1 77824.50						
	.0		13156.73	-6866.24			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		2.0	6016.73	12307.22		
		4.0	-9323.27	17200.68		
		6.0	-16463.27	-8585.86		
		8.0	-23603.27	-48652.40		

1	70193.50	.0	13647.26	-8785.67		
		2.0	6507.26	11368.84		
		4.0	-8832.74	17243.35		
		6.0	-15972.74	-7562.13		
		8.0	-23112.74	-46647.62		

1	61484.81	.0	14228.05	-11057.40		
		2.0	7088.05	10258.71		
		4.0	-8251.95	17294.81		
		6.0	-15391.95	-6349.08		
		8.0	-22531.95	-44272.97		

1	51641.03	.0	14904.20	-13702.50		
		2.0	7764.20	8965.91		
		4.0	-7575.80	17354.32		
		6.0	-14715.80	-4937.27		
		8.0	-21855.80	-41508.86		

1	40747.43	.0	15679.45	-16743.68		
		2.0	8539.45	7475.22		
		4.0	-6800.55	17414.11		
		6.0	-13940.55	-3326.99		
		8.0	-21080.55	-38348.09		

1	28385.10	.0	16567.80	-20189.59		
		2.0	9427.80	5806.02		
		4.0	-5912.20	17521.63		
		6.0	-13052.20	-1442.76		
		8.0	-20192.20	-34687.15		

1	9485.00	.0	17780.69	-24895.09		
		2.0	10640.69	3526.28		
		4.0	-4699.31	17667.65		
		6.0	-11839.31	1129.02		
		8.0	-18979.31	-29689.61		

1	55166.00	.0	12663.71	-21242.01		
		2.0	8283.71	-294.58		
		4.0	-1976.29	11892.84		
		6.0	-6356.29	3560.27		

sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT
1		8.0	-10736.29	-13532.31		

1	-5812.70					
		.0	12361.26	-20505.13		
		2.0	7981.26	-162.62		
		4.0	-2278.74	11419.90		
		6.0	-6658.74	2482.42		
		8.0	-11038.74	-15215.06		

0	1-28448.39					
		.0	17995.11	-33770.72		
		3.0	11425.11	10359.61		
		6.0	-1024.89	23019.93		
		9.0	-13474.89	4210.25		
		12.0	-20044.89	-46069.43		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD) COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	42118.07					
	.0	61816.12	-171863.76			
	1.0	61816.12	-110047.64			
	2.0	61816.12	-48231.52			
	3.0	61816.12	13584.60			
	4.0	61816.12	75400.72			

5	1 47035.66					
	.0	-14579.05	48642.70			
	1.0	-14579.05	34063.66			
	2.0	-14579.05	19484.61			
	3.0	-14579.05	4905.56			
	4.0	-14579.05	-9673.49			

9	1 13211.74					
	.0	1532.31	-7106.65			
	1.0	1532.31	-5574.34			
	2.0	1532.31	-4042.03			
	3.0	1532.31	-2509.73			
	4.0	1532.31	-977.42			

3	1-11023.57					
	.0	-650.91	835.83			
	1.0	-650.91	184.91			
	2.0	-650.91	-466.00			
	3.0	-650.91	-1116.91			
	4.0	-650.91	-1767.82			

7	1-31916.43					
	.0	-1339.23	2808.71			
	1.0	-1339.23	1469.48			
	2.0	-1339.23	130.26			
	3.0	-1339.23	-1208.97			
	4.0	-1339.23	-2548.19			

1	1-48390.18					
	.0	-2025.74	4743.44			
	1.0	-2025.74	2717.70			
	2.0	-2025.74	691.96			
	3.0	-2025.74	-1333.77			
	4.0	-2025.74	-3359.51			

5	1-60424.34					
	.0	-2736.04	6713.37			
	1.0	-2736.04	3977.33			
	2.0	-2736.04	1241.29			
	3.0	-2736.04	-1494.76			
	4.0	-2736.04	-4230.80			

9	1-67777.20					
	.0	-3496.29	8761.26			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-3496.29	5264.97			
		2.0	-3496.29	1768.68			
		3.0	-3496.29	-1727.62			
		4.0	-3496.29	-5223.91			

	1-70122.34	.0	-4308.99	10875.91			
		1.0	-4308.99	6566.91			
		2.0	-4308.99	2257.92			
		3.0	-4308.99	-2051.07			
		4.0	-4308.99	-6360.07			

7	1-67067.46	.0	-5181.78	13073.14			
		1.0	-5181.78	7891.36			
		2.0	-5181.78	2709.57			
		3.0	-5181.78	-2472.21			
		4.0	-5181.78	-7654.00			

1	1-58154.58	.0	-6122.55	15378.63			
		1.0	-6122.55	9256.07			
		2.0	-6122.55	3133.52			
		3.0	-6122.55	-2989.03			
		4.0	-6122.55	-9111.58			

5	1-42837.38	.0	-7087.08	17851.65			
		1.0	-7087.08	10764.56			
		2.0	-7087.08	3677.48			
		3.0	-7087.08	-3409.60			
		4.0	-7087.08	-10496.69			

9	1-20401.21	.0	-10527.84	20764.53			
		1.0	-10527.84	10236.68			
		2.0	-10527.84	-291.16			
		3.0	-10527.84	-10819.01			
		4.0	-10527.84	-21346.85			

2	1*****	.0	74448.65	-196437.46			
		1.0	74448.65	-121988.81			
		2.0	74448.65	-47540.17			
		3.0	74448.65	26908.48			
		4.0	74448.65	101357.13			

6	1*****	.0	-12553.70	45303.62			
		1.0	-12553.70	32749.92			
		2.0	-12553.70	20196.22			
		3.0	-12553.70	7642.51			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		4.0	-12553.70	-4911.19			

	1*****	.0	4928.23	-13471.32			
		1.0	4928.23	-8543.09			
		2.0	4928.23	-3614.86			
		3.0	4928.23	1313.38			
		4.0	4928.23	6241.61			

	1*****	.0	2624.80	-5541.30			
		1.0	2624.80	-2916.49			
		2.0	2624.80	-291.69			
		3.0	2624.80	2333.11			
		4.0	2624.80	4957.91			

	1*****	.0	1992.29	-3897.98			
		1.0	1992.29	-1905.69			
		2.0	1992.29	86.59			
		3.0	1992.29	2078.88			
		4.0	1992.29	4071.16			

	1*****	.0	1154.03	-1691.22			
		1.0	1154.03	-537.18			
		2.0	1154.03	616.85			
		3.0	1154.03	1770.89			
		4.0	1154.03	2924.92			

	1*****	.0	156.26	830.40			
		1.0	156.26	986.66			
		2.0	156.26	1142.92			
		3.0	156.26	1299.18			
		4.0	156.26	1455.44			

	1*****	.0	-991.33	3620.34			
		1.0	-991.33	2629.01			
		2.0	-991.33	1637.68			
		3.0	-991.33	646.35			
		4.0	-991.33	-344.98			

	1*****	.0	-2286.48	6672.22			
		1.0	-2286.48	4385.74			
		2.0	-2286.48	2099.25			
		3.0	-2286.48	-187.23			
		4.0	-2286.48	-2473.71			

	1-92554.38						

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3726.00	9979.49			
		1.0	-3726.00	6253.49			
		2.0	-3726.00	2527.49			
		3.0	-3726.00	-1198.51			
		4.0	-3726.00	-4924.51			

	1-64725.99						
		.0	-5296.91	13543.68			
		1.0	-5296.91	8246.77			
		2.0	-5296.91	2949.87			
		3.0	-5296.91	-2347.04			
		4.0	-5296.91	-7643.95			

	1-39918.35						
		.0	-7231.07	17431.67			
		1.0	-7231.07	10200.59			
		2.0	-7231.07	2969.52			
		3.0	-7231.07	-4261.55			
		4.0	-7231.07	-11492.63			

	1-16448.97						
		.0	-10196.45	20507.99			
		1.0	-10196.45	10311.54			
		2.0	-10196.45	115.08			
		3.0	-10196.45	-10081.37			
		4.0	-10196.45	-20277.82			

	1*****						
		.0	94997.89	-234293.18			
		1.0	94997.89	-139295.29			
		2.0	94997.89	-44297.39			
		3.0	94997.89	50700.50			
		4.0	94997.89	145698.39			

	1*****						
		.0	5302.22	12260.65			
		1.0	5302.22	17562.87			
		2.0	5302.22	22865.09			
		3.0	5302.22	28167.32			
		4.0	5302.22	33469.54			

	1*****						
		.0	22795.66	-48022.87			
		1.0	22795.66	-25227.22			
		2.0	22795.66	-2431.56			
		3.0	22795.66	20364.10			
		4.0	22795.66	43159.75			

	1*****						
		.0	20786.99	-41358.67			
		1.0	20786.99	-20571.68			
		2.0	20786.99	215.30			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDE	1-2 PLANE		1-3 PLANE	AXIAL	
			SHEAR	MOMENT	SHEAR	TORQ	
		3.0	20786.99	21002.29			
		4.0	20786.99	41789.28			

	1*****						
		.0	20818.27	-41350.96			
		1.0	20818.27	-20532.69			
		2.0	20818.27	285.59			
		3.0	20818.27	21103.86			
		4.0	20818.27	41922.14			
5	-----						
	1*****						
		.0	20209.88	-39527.33			
		1.0	20209.88	-19317.45			
		2.0	20209.88	892.43			
		3.0	20209.88	21102.31			
		4.0	20209.88	41312.20			
7	-----						
	1*****						
		.0	19458.08	-37537.40			
		1.0	19458.08	-18079.32			
		2.0	19458.08	1378.76			
		3.0	19458.08	20836.84			
		4.0	19458.08	40294.93			
1	-----						
	1*****						
		.0	18509.03	-35174.99			
		1.0	18509.03	-16665.96			
		2.0	18509.03	1843.06			
		3.0	18509.03	20352.09			
		4.0	18509.03	38861.12			
5	-----						
	1*****						
		.0	17370.73	-32468.28			
		1.0	17370.73	-15097.55			
		2.0	17370.73	2273.19			
		3.0	17370.73	19643.92			
		4.0	17370.73	37014.66			
9	-----						
	1*****						
		.0	16057.68	-29440.64			
		1.0	16057.68	-13382.96			
		2.0	16057.68	2674.72			
		3.0	16057.68	18732.40			
		4.0	16057.68	34790.07			
3	-----						
	1*****						
		.0	14511.67	-26080.06			
		1.0	14511.67	-11568.40			
		2.0	14511.67	2943.27			
		3.0	14511.67	17454.93			
		4.0	14511.67	31966.60			

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	

7	1-72438.21						
		.0	13280.52	-22698.60			
		1.0	13280.52	-9418.08			
		2.0	13280.52	3862.43			
		3.0	13280.52	17142.95			
		4.0	13280.52	30423.47			

1	1-26135.74						
		.0	10479.96	-16301.33			
		1.0	10479.96	-5821.37			
		2.0	10479.96	4658.59			
		3.0	10479.96	15138.55			
		4.0	10479.96	25618.51			

4	1*****						
		.0	88578.34	-231790.35			
		1.0	88578.34	-143212.01			
		2.0	88578.34	-54633.67			
		3.0	88578.34	33944.66			
		4.0	88578.34	122523.00			

8	1*****						
		.0	-1934.36	33445.44			
		1.0	-1934.36	31511.08			
		2.0	-1934.36	29576.72			
		3.0	-1934.36	27642.36			
		4.0	-1934.36	25708.00			

2	1*****						
		.0	12942.29	-26767.24			
		1.0	12942.29	-13824.96			
		2.0	12942.29	-882.67			
		3.0	12942.29	12059.61			
		4.0	12942.29	25001.90			

6	1*****						
		.0	13520.91	-27594.10			
		1.0	13520.91	-14073.19			
		2.0	13520.91	-552.28			
		3.0	13520.91	12968.64			
		4.0	13520.91	26489.55			

20	1*****						
		.0	12911.54	-25301.16			
		1.0	12911.54	-12389.61			
		2.0	12911.54	521.93			
		3.0	12911.54	13433.48			
		4.0	12911.54	26345.02			

24	1*****						
		.0	12570.90	-24109.47			

sa Statis Portal (13 lantai) Kg/m

M E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ	
			SHEAR	MOMENT	SHEAR	MOMENT		
		1.0	12570.90	-11538.57				
		2.0	12570.90	1032.33				
		3.0	12570.90	13603.22				
		4.0	12570.90	26174.12				
3	-----							
	1*****							
		.0	12100.05	-22622.59				
		1.0	12100.05	-10522.54				
		2.0	12100.05	1577.51				
		3.0	12100.05	13677.56				
		4.0	12100.05	25777.60				
2	-----							
	1*****							
		.0	11544.30	-21006.89				
		1.0	11544.30	-9462.59				
		2.0	11544.30	2081.71				
		3.0	11544.30	13626.02				
		4.0	11544.30	25170.32				
6	-----							
	1*****							
		.0	10890.87	-19232.66				
		1.0	10890.87	-8341.79				
		2.0	10890.87	2549.09				
		3.0	10890.87	13439.96				
		4.0	10890.87	24330.83				
0	-----							
	1*****							
		.0	10126.42	-17300.95				
		1.0	10126.42	-7174.54				
		2.0	10126.42	2951.88				
		3.0	10126.42	13078.30				
		4.0	10126.42	23204.72				
.4	-----							
	1-71218.05							
		.0	9353.11	-15259.05				
		1.0	9353.11	-5905.94				
		2.0	9353.11	3447.17				
		3.0	9353.11	12800.28				
		4.0	9353.11	22153.38				
18	-----							
	1-36296.71							
		.0	8584.11	-12637.02				
		1.0	8584.11	-4052.91				
		2.0	8584.11	4531.19				
		3.0	8584.11	13115.30				
		4.0	8584.11	21699.41				
12	-----							
	1-11059.89							
		.0	5835.52	-8053.80				
		1.0	5835.52	-2218.29				
		2.0	5835.52	3617.23				
		3.0	5835.52	9452.75				

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		4.0	5835.52	15288.26			
3	1	72915.17					
		.0	4917.59	26758.02			
		2.0	-2222.41	29453.19			
		4.0	-17562.41	17868.37			
		6.0	-24702.41	-24396.46			
		8.0	-31842.41	-80941.29			
6	1	68643.41					
		.0	12343.40	-2792.53			
		2.0	5203.40	14754.27			
		4.0	-10136.60	18021.08			
		6.0	-17276.60	-9392.12			
		8.0	-24416.60	-51085.31			
9	1	63721.90					
		.0	12162.89	-1978.82			
		2.0	5022.89	15206.97			
		4.0	-10317.11	18112.75			
		6.0	-17457.11	-9661.47			
		8.0	-24597.11	-51715.68			
12	1	53213.10					
		.0	12860.24	-4730.78			
		2.0	5720.24	13849.69			
		4.0	-9619.76	18150.16			
		6.0	-16759.76	-8229.37			
		8.0	-23899.76	-48888.90			
15	1	41999.61					
		.0	13532.08	-7427.54			
		2.0	6392.08	12496.62			
		4.0	-8947.92	18140.79			
		6.0	-16087.92	-6895.05			
		8.0	-23227.92	-46210.89			
18	1	30799.35					
		.0	14218.85	-10190.73			
		2.0	7078.85	11106.97			
		4.0	-8261.15	18124.67			
		6.0	-15401.15	-5537.64			
		8.0	-22541.15	-43479.94			
21	1	19209.25					
		.0	14938.71	-13091.29			
		2.0	7798.71	9646.13			
		4.0	-7541.29	18103.56			
		6.0	-14681.29	-4119.02			
		8.0	-21821.29	-40621.59			
24	1	7058.63					

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	15703.73	-16179.49			
		2.0	8563.73	8087.98			
		4.0	-6776.27	18075.44			
		6.0	-13916.27	-2617.09			
		8.0	-21056.27	-37589.62			

7	1	-5758.11					
		.0	16523.38	-19492.13			
		2.0	9383.38	6414.63			
		4.0	-5956.62	18041.39			
		6.0	-13096.62	-1011.84			
		8.0	-20236.62	-34345.08			

0	1	-19353.43					
		.0	17407.92	-23069.35			
		2.0	10267.92	4606.49			
		4.0	-5072.08	18002.32			
		6.0	-12212.08	718.15			
		8.0	-19352.08	-30846.01			

3	1	-33920.16					
		.0	18374.73	-26976.01			
		2.0	11234.73	2633.45			
		4.0	-4105.27	17962.91			
		6.0	-11245.27	2612.36			
		8.0	-18385.27	-27018.18			

16	1	-47335.38					
		.0	19404.51	-31247.07			
		2.0	12264.51	421.95			
		4.0	-3075.49	17810.98			
		6.0	-10215.49	4520.00			
		8.0	-17355.49	-23050.97			

54	1	67709.76					
		.0	23107.81	-25169.57			
		3.0	12397.81	28088.85			
		6.0	-6512.19	32817.27			
		9.0	-25422.19	-10984.31			
		12.0	-36132.19	-103315.89			

57	1	92548.57					
		.0	26131.99	-42932.85			
		3.0	15421.99	19398.13			
		6.0	-3488.01	33199.10			
		9.0	-22398.01	-1529.93			
		12.0	-33108.01	-84788.95			

50	1	96767.93					
		.0	25721.26	-40299.16			
		3.0	15011.26	20799.62			
		6.0	-3898.74	33368.39			

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
COMB			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		9.0	-22808.74	-2592.83			
		12.0	-33518.74	-87084.06			
3	1 93139.59						
		.0	25747.97	-40386.87			
		3.0	15037.97	20792.03			
		6.0	-3872.03	33440.93			
		9.0	-22782.03	-2440.18			
		12.0	-33492.03	-86851.28			
6	1 88472.79						
		.0	25818.47	-40781.45			
		3.0	15108.47	20608.97			
		6.0	-3801.53	33469.40			
		9.0	-22711.53	-2200.18			
		12.0	-33421.53	-86399.76			
9	1 82211.88						
		.0	25977.12	-41693.87			
		3.0	15267.12	20172.47			
		6.0	-3642.88	33508.82			
		9.0	-22552.88	-1684.83			
		12.0	-33262.88	-85408.48			
12	1 74225.89						
		.0	26211.30	-43065.22			
		3.0	15501.30	19503.67			
		6.0	-3408.70	33542.56			
		9.0	-22318.70	-948.54			
		12.0	-33028.70	-83969.65			
75	1 64694.96						
		.0	26513.82	-44850.98			
		3.0	15803.82	18625.48			
		6.0	-3106.18	33571.95			
		9.0	-22016.18	-11.59			
		12.0	-32726.18	-82125.13			
78	1 53778.63						
		.0	26876.66	-47003.13			
		3.0	16166.66	17561.85			
		6.0	-2743.34	33596.83			
		9.0	-21653.34	1101.81			
		12.0	-32363.34	-79923.20			
31	1 41663.03						
		.0	27292.17	-49475.12			
		3.0	16582.17	16336.39			
		6.0	-2327.83	33617.89			
		9.0	-21237.83	2369.40			
		12.0	-31947.83	-77409.09			

sa Statis Portal (13 lantai) Kg/m

M E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
4	1	28896.06					
		.0	27747.09	-52205.58			
		3.0	17037.09	14970.69			
		6.0	-1872.91	33616.95			
		9.0	-20782.91	3733.22			
		12.0	-31492.91	-74680.52			
7	1	14285.61					
		.0	28254.93	-55124.89			
		3.0	17544.93	13574.90			
		6.0	-1365.07	33744.70			
		9.0	-20275.07	5384.49			
		12.0	-30985.07	-71505.71			
5	1	43300.64					
		.0	3560.74	29818.85			
		2.0	-3579.26	29800.34			
		4.0	-18919.26	15501.82			
		6.0	-26059.26	-29476.70			
		8.0	-33199.26	-88735.21			
8		1110695.10					
		.0	12308.96	-3733.68			
		2.0	5168.96	13744.23			
		4.0	-10171.04	16942.14			
		6.0	-17311.04	-10539.94			
		8.0	-24451.04	-52302.03			
11	1	95355.98					
		.0	12193.48	-2939.38			
		2.0	5053.48	14307.58			
		4.0	-10286.52	17274.54			
		6.0	-17426.52	-10438.50			
		8.0	-24566.52	-52431.55			
34	1	89802.67					
		.0	12434.39	-4067.75			
		2.0	5294.39	13661.03			
		4.0	-10045.61	17109.81			
		6.0	-17185.61	-10121.40			
		8.0	-24325.61	-51632.62			
57	1	84544.47					
		.0	12752.95	-5291.26			
		2.0	5612.95	13074.64			
		4.0	-9727.05	17160.53			
		6.0	-16867.05	-9433.57			
		8.0	-24007.05	-50307.67			
70	1	77921.83					
		.0	13156.67	-6876.12			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
			SHEAR	MOMENT			
		2.0	6016.67	12297.22			
		4.0	-9323.33	17190.56			
		6.0	-16463.33	-8596.11			
		8.0	-23603.33	-48662.77			

1	70319.34						
		.0	13645.32	-8788.06			
		2.0	6505.32	11362.57			
		4.0	-8834.68	17233.21			
		6.0	-15974.68	-7576.16			
		8.0	-23114.68	-46665.52			

5	61640.31						
		.0	14223.61	-11050.03			
		2.0	7083.61	10257.19			
		4.0	-8256.39	17284.42			
		6.0	-15396.39	-6368.35			
		8.0	-22536.39	-44301.12			

9	51832.57						
		.0	14896.76	-13683.40			
		2.0	7756.76	8970.12			
		4.0	-7583.24	17343.63			
		6.0	-14723.24	-4962.86			
		8.0	-21863.24	-41549.34			

2	40982.15						
		.0	15668.53	-16711.00			
		2.0	8528.53	7486.05			
		4.0	-6811.47	17403.11			
		6.0	-13951.47	-3359.83			
		8.0	-21091.47	-38402.78			

15	28646.45						
		.0	16553.22	-20141.64			
		2.0	9413.22	5824.80			
		4.0	-5926.78	17511.25			
		6.0	-13066.78	-1482.31			
		8.0	-20206.78	-34755.86			

38	9744.77						
		.0	17768.12	-24857.71			
		2.0	10628.12	3538.53			
		4.0	-4711.88	17654.77			
		6.0	-11851.88	1091.00			
		8.0	-18991.88	-29752.76			

39	55369.23						
		.0	12686.62	-21328.32			
		2.0	8306.62	-335.08			
		4.0	-1953.38	11898.16			
		6.0	-6333.38	3611.40			

sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
COMB		8.0	-10713.38	-13435.36			

1	1	-5835.52					
		.0	12340.11	-20409.16			
		2.0	7960.11	-108.94			
		4.0	-2299.89	11431.29			
		6.0	-6679.89	2451.51			
		8.0	-11059.89	-15288.26			

0	1	-28808.84					
		.0	17999.43	-33795.18			
		3.0	11429.43	10348.10			
		6.0	-1020.57	23021.39			
		9.0	-13470.57	4224.68			
		12.0	-20040.57	-46042.03			

Analisa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

ELEM	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
				SHEAR	MOMENT			
1	1	51170.92	.0	71696.07	-254019.05			
			1.0	71696.07	-182322.99			
			2.0	71696.07	-110626.92			
3			3.0	71696.07	-38930.85			
			4.0	71696.07	32765.21			
5	1	34350.67	.0	55933.47	-73651.11			
			1.0	55933.47	-17717.64			
			2.0	55933.47	38215.82			
7			3.0	55933.47	94149.29			
			4.0	55933.47	150082.75			
9	1	33382.92	.0	-28430.03	99374.48			
			1.0	-28430.03	70944.44			
			2.0	-28430.03	42514.41			
11			3.0	-28430.03	14084.38			
			4.0	-28430.03	-14345.65			
13	1	-5146.53	.0	1988.81	-8493.65			
			1.0	1988.81	-6504.84			
			2.0	1988.81	-4516.03			
15			3.0	1988.81	-2527.22			
			4.0	1988.81	-538.41			
17	1	-25686.16	.0	-1425.33	3299.67			
			1.0	-1425.33	1874.33			
			2.0	-1425.33	449.00			
19			3.0	-1425.33	-976.34			
			4.0	-1425.33	-2401.67			
21	1	-42704.38	.0	-1999.78	4647.82			
			1.0	-1999.78	2648.04			
			2.0	-1999.78	648.26			
23			3.0	-1999.78	-1351.52			
			4.0	-1999.78	-3351.30			
25	1	-55080.65	.0	-2672.85	6477.51			
			1.0	-2672.85	3804.66			
			2.0	-2672.85	1131.81			
27			3.0	-2672.85	-1541.04			
			4.0	-2672.85	-4213.89			
29	1	-62907.26	.0	-3401.49	8459.95			

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MEMBER ELEMENT FORCES

MEMBER	LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
1	1	51170.92	.0	71696.07	-254019.05			
			1.0	71696.07	-182322.99			
			2.0	71696.07	-110626.92			
			3.0	71696.07	-38930.85			
			4.0	71696.07	32765.21			
5	1	34350.67	.0	55933.47	-73651.11			
			1.0	55933.47	-17717.64			
			2.0	55933.47	38215.82			
			3.0	55933.47	94149.29			
			4.0	55933.47	150082.75			
9	1	33382.92	.0	-28430.03	99374.48			
			1.0	-28430.03	70944.44			
			2.0	-28430.03	42514.41			
			3.0	-28430.03	14084.38			
			4.0	-28430.03	-14345.65			
13	1	-5146.53	.0	1988.81	-8493.65			
			1.0	1988.81	-6504.84			
			2.0	1988.81	-4516.03			
			3.0	1988.81	-2527.22			
			4.0	1988.81	-538.41			
17	1	-25686.16	.0	-1425.33	3299.67			
			1.0	-1425.33	1874.33			
			2.0	-1425.33	449.00			
			3.0	-1425.33	-976.34			
			4.0	-1425.33	-2401.67			
21	1	-42704.38	.0	-1999.78	4647.82			
			1.0	-1999.78	2648.04			
			2.0	-1999.78	648.26			
			3.0	-1999.78	-1351.52			
			4.0	-1999.78	-3351.30			
25	1	-55080.65	.0	-2672.85	6477.51			
			1.0	-2672.85	3804.66			
			2.0	-2672.85	1131.81			
			3.0	-2672.85	-1541.04			
			4.0	-2672.85	-4213.89			
29	1	-62907.26	.0	-3401.49	8459.95			

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E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-3401.49	5058.46			
		2.0	-3401.49	1656.97			
		3.0	-3401.49	-1744.52			
		4.0	-3401.49	-5146.01			
3	1-65858.76	.0	-4197.96	10560.17			
		1.0	-4197.96	6362.21			
		2.0	-4197.96	2164.24			
		3.0	-4197.96	-2033.72			
		4.0	-4197.96	-6231.68			
7	1-63522.24	.0	-5056.93	12745.77			
		1.0	-5056.93	7688.85			
		2.0	-5056.93	2631.92			
		3.0	-5056.93	-2425.01			
		4.0	-5056.93	-7481.94			
11	1-55422.77	.0	-5986.66	15042.32			
		1.0	-5986.66	9055.66			
		2.0	-5986.66	3068.99			
		3.0	-5986.66	-2917.67			
		4.0	-5986.66	-8904.33			
15	1-41002.65	.0	-6928.39	17503.22			
		1.0	-6928.39	10574.83			
		2.0	-6928.39	3646.44			
		3.0	-6928.39	-3281.96			
		4.0	-6928.39	-10210.35			
19	1-19529.09	.0	-10341.83	20472.19			
		1.0	-10341.83	10130.37			
		2.0	-10341.83	-211.46			
		3.0	-10341.83	-10553.29			
		4.0	-10341.83	-20895.12			
2	1*****	.0	82057.61	-268271.24			
		1.0	82057.61	-186213.63			
		2.0	82057.61	-104156.02			
		3.0	82057.61	-22098.41			
		4.0	82057.61	59959.20			
6	1*****	.0	78163.91	-121986.13			
		1.0	78163.91	-43822.22			
		2.0	78163.91	34341.69			
		3.0	78163.91	112505.60			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR 78163.91	MOMENT 190669.51	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	1*****						
	.0		-25551.36	92599.34			
	1.0		-25551.36	67047.97			
	2.0		-25551.36	41496.61			
	3.0		-25551.36	15945.25			
	4.0		-25551.36	-9606.11			

4	1*****						
	.0		5541.88	-15171.71			
	1.0		5541.88	-9629.83			
	2.0		5541.88	-4087.95			
	3.0		5541.88	1453.93			
	4.0		5541.88	6995.80			

3	1*****						
	.0		1879.65	-3283.12			
	1.0		1879.65	-1403.48			
	2.0		1879.65	476.17			
	3.0		1879.65	2355.82			
	4.0		1879.65	4235.47			

2	1*****						
	.0		1254.76	-1985.55			
	1.0		1254.76	-730.79			
	2.0		1254.76	523.97			
	3.0		1254.76	1778.73			
	4.0		1254.76	3033.50			

6	1*****						
	.0		306.44	408.78			
	1.0		306.44	715.23			
	2.0		306.44	1021.67			
	3.0		306.44	1328.11			
	4.0		306.44	1634.55			

10	1*****						
	.0		-813.95	3160.63			
	1.0		-813.95	2346.68			
	2.0		-813.95	1532.73			
	3.0		-813.95	718.78			
	4.0		-813.95	-95.17			

14	1*****						
	.0		-2086.42	6182.70			
	1.0		-2086.42	4096.28			
	2.0		-2086.42	2009.86			
	3.0		-2086.42	-76.56			
	4.0		-2086.42	-2162.98			

18	1-93116.94						

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E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3506.44	9466.14			
		1.0	-3506.44	5959.70			
		2.0	-3506.44	2453.27			
		3.0	-3506.44	-1053.17			
		4.0	-3506.44	-4559.60			
2	1-64976.15	.0	-5060.81	13012.18			
		1.0	-5060.81	7951.37			
		2.0	-5060.81	2890.56			
		3.0	-5060.81	-2170.24			
		4.0	-5060.81	-7231.05			
6	1-39804.44	.0	-6975.46	16884.00			
		1.0	-6975.46	9908.54			
		2.0	-6975.46	2933.07			
		3.0	-6975.46	-4042.39			
		4.0	-6975.46	-11017.86			
10	1-16037.37	.0	-9863.53	19976.00			
		1.0	-9863.53	10112.48			
		2.0	-9863.53	248.95			
		3.0	-9863.53	-9614.58			
		4.0	-9863.53	-19478.10			
3	1*****	.0	89997.73	-281039.53			
		1.0	89997.73	-191041.80			
		2.0	89997.73	-101044.07			
		3.0	89997.73	-11046.34			
		4.0	89997.73	78951.38			
7	1*****	.0	101330.46	-168157.84			
		1.0	101330.46	-66827.38			
		2.0	101330.46	34503.08			
		3.0	101330.46	135833.54			
		4.0	101330.46	237164.00			
11	1*****	.0	-7730.70	60214.07			
		1.0	-7730.70	52483.37			
		2.0	-7730.70	44752.67			
		3.0	-7730.70	37021.97			
		4.0	-7730.70	29291.27			
15	1*****	.0	23238.94	-49512.73			
		1.0	23238.94	-26273.79			
		2.0	23238.94	-3034.85			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		3.0	23238.94	20204.09			
		4.0	23238.94	43443.02			

	1*****						
		.0	20112.95	-39509.82			
		1.0	20112.95	-19396.87			
		2.0	20112.95	716.09			
		3.0	20112.95	20829.04			
		4.0	20112.95	40942.00			

	1*****						
		.0	20085.83	-39558.57			
		1.0	20085.83	-19472.74			
		2.0	20085.83	613.09			
		3.0	20085.83	20698.92			
		4.0	20085.83	40784.75			

	1*****						
		.0	19235.73	-37210.97			
		1.0	19235.73	-17975.23			
		2.0	19235.73	1260.50			
		3.0	19235.73	20496.24			
		4.0	19235.73	39731.97			

	1*****						
		.0	18289.35	-34848.43			
		1.0	18289.35	-16559.08			
		2.0	18289.35	1730.28			
		3.0	18289.35	20019.63			
		4.0	18289.35	38308.99			

	1*****						
		.0	17151.95	-32125.66			
		1.0	17151.95	-14973.71			
		2.0	17151.95	2178.23			
		3.0	17151.95	19330.18			
		4.0	17151.95	36482.12			

	1*****						
		.0	15843.67	-29089.02			
		1.0	15843.67	-13245.35			
		2.0	15843.67	2598.33			
		3.0	15843.67	18442.00			
		4.0	15843.67	34285.67			

	1*****						
		.0	14302.60	-25723.32			
		1.0	14302.60	-11420.71			
		2.0	14302.60	2881.89			
		3.0	14302.60	17184.49			
		4.0	14302.60	31487.10			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-76753.27							
	.0		13071.13	-22356.46			
	1.0		13071.13	-9285.33			
	2.0		13071.13	3785.80			
	3.0		13071.13	16856.93			
	4.0		13071.13	29928.07			

1-27975.85							
	.0		10333.33	-16125.95			
	1.0		10333.33	-5792.61			
	2.0		10333.33	4540.72			
	3.0		10333.33	14874.06			
	4.0		10333.33	25207.39			

4	1*****						
		.0	74409.60	-262500.27			
		1.0	74409.60	-188090.67			
		2.0	74409.60	-113681.07			
		3.0	74409.60	-39271.48			
		4.0	74409.60	35138.12			

8	1*****						
		.0	79266.16	-121659.04			
		1.0	79266.16	-42392.88			
		2.0	79266.16	36873.29			
		3.0	79266.16	116139.45			
		4.0	79266.16	195405.62			

2	1*****						
		.0	-14851.79	81635.75			
		1.0	-14851.79	66783.95			
		2.0	-14851.79	51932.16			
		3.0	-14851.79	37080.36			
		4.0	-14851.79	22228.57			

.6	1*****						
		.0	12714.62	-27088.17			
		1.0	12714.62	-14373.54			
		2.0	12714.62	-1658.92			
		3.0	12714.62	11055.70			
		4.0	12714.62	23770.32			

20	1*****						
		.0	13131.53	-26652.10			
		1.0	13131.53	-13520.56			
		2.0	13131.53	-389.03			
		3.0	13131.53	12742.51			
		4.0	13131.53	25874.04			

24	1*****						
		.0	12224.69	-23481.60			

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M E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	12224.69	-11256.91			
		2.0	12224.69	967.78			
		3.0	12224.69	13192.46			
		4.0	12224.69	25417.15			
3	1*****	.0	11803.82	-22177.53			
		1.0	11803.82	-10373.71			
		2.0	11803.82	1430.11			
		3.0	11803.82	13233.92			
		4.0	11803.82	25037.74			
2	1*****	.0	11229.36	-20494.14			
		1.0	11229.36	-9264.79			
		2.0	11229.36	1964.57			
		3.0	11229.36	13193.93			
		4.0	11229.36	24423.29			
6	1*****	.0	10571.24	-18693.54			
		1.0	10571.24	-8122.30			
		2.0	10571.24	2448.94			
		3.0	10571.24	13020.18			
		4.0	10571.24	23591.42			
0	1*****	.0	9805.81	-16741.09			
		1.0	9805.81	-6935.28			
		2.0	9805.81	2870.53			
		3.0	9805.81	12676.34			
		4.0	9805.81	22482.15			
14	1-83581.21	.0	9034.90	-14685.82			
		1.0	9034.90	-5650.92			
		2.0	9034.90	3383.98			
		3.0	9034.90	12418.87			
		4.0	9034.90	21453.77			
18	1-42447.55	.0	8206.74	-12061.59			
		1.0	8206.74	-3854.85			
		2.0	8206.74	4351.89			
		3.0	8206.74	12558.63			
		4.0	8206.74	20765.36			
22	1-10846.82	.0	5595.63	-7876.28			
		1.0	5595.63	-2280.65			
		2.0	5595.63	3314.98			
		3.0	5595.63	8910.60			

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ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		4.0	5595.63	14506.23			
3	1	12295.60					
		.0	-16820.25	106416.32			
		2.0	-22360.25	67235.82			
		4.0	-36100.25	16975.33			
		6.0	-41640.25	-60765.16			
		8.0	-47180.25	-149585.66			
4	1	16189.30					
		.0	10316.48	32359.68			
		3.0	2006.48	50844.11			
		6.0	-14503.52	27998.55			
		9.0	-31013.52	-36177.01			
		12.0	-39323.52	-141682.57			
5	1	4856.57					
		.0	-17597.98	105426.65			
		2.0	-23137.98	64690.70			
		4.0	-36877.98	12874.75			
		6.0	-42417.98	-66421.21			
		8.0	-47957.98	-156797.16			
6	1	77428.50					
		.0	-967.75	50708.28			
		2.0	-8107.75	41632.77			
		4.0	-23447.75	18277.27			
		6.0	-30587.75	-35758.24			
		8.0	-37727.75	-104073.74			
9	1	61707.70					
		.0	13181.69	-6107.90			
		2.0	6041.69	13115.48			
		4.0	-9298.31	18058.85			
		6.0	-16438.31	-7677.78			
		8.0	-23578.31	-47694.41			
2	1	54922.33					
		.0	12674.42	-3986.95			
		2.0	5534.42	14221.88			
		4.0	-9805.58	18150.71			
		6.0	-16945.58	-8600.45			
		8.0	-24085.58	-49631.62			
5	1	42932.07					
		.0	13476.12	-7187.92			
		2.0	6336.12	12624.31			
		4.0	-9003.88	18156.55			
		6.0	-16143.88	-6991.22			
		8.0	-23283.88	-46418.98			
8	1	31409.99					

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M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	14159.45	-9947.95			
		2.0	7019.45	11230.96			
		4.0	-8320.55	18129.87			
		6.0	-15460.55	-5651.22			
		8.0	-22600.55	-43712.31			
1	20064.49						
		.0	14860.24	-12774.71			
		2.0	7720.24	9805.76			
		4.0	-7619.76	18106.24			
		6.0	-14759.76	-4273.29			
		8.0	-21899.76	-40932.81			
4	8171.45						
		.0	15606.88	-15787.96			
		2.0	8466.88	8285.81			
		4.0	-6873.12	18079.58			
		6.0	-14013.12	-2806.66			
		8.0	-21153.12	-37972.89			
7	-4436.49						
		.0	16411.33	-19038.87			
		2.0	9271.33	6643.79			
		4.0	-6068.67	18046.45			
		6.0	-13208.67	-1230.90			
		8.0	-20348.67	-34788.24			
0	-17849.85						
		.0	17282.98	-22563.81			
		2.0	10142.98	4862.15			
		4.0	-5197.02	18008.11			
		6.0	-12337.02	474.07			
		8.0	-19477.02	-31339.98			
3	-32270.12						
		.0	18238.32	-26423.45			
		2.0	11098.32	2913.18			
		4.0	-4241.68	17969.82			
		6.0	-11381.68	2346.45			
		8.0	-18521.68	-27556.92			
6	-45557.90						
		.0	19262.10	-30671.67			
		2.0	12122.10	712.53			
		4.0	-3217.90	17816.73			
		6.0	-10357.90	4240.93			
		8.0	-17497.90	-23614.87			
7	77879.23						
		.0	19976.71	-6378.61			
		3.0	9266.71	37486.52			
		6.0	-9643.29	32821.64			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		9.0	-28553.29	-20373.23			
		12.0	-39263.29	-122098.11			
) -----							
1	99093.75						
		.0	26086.94	-42574.14			
		3.0	15376.94	19621.67			
		6.0	-3533.06	33287.48			
		9.0	-22443.06	-1576.71			
		12.0	-33153.06	-84970.90			
3 -----							
1	96677.57						
		.0	25634.51	-39708.91			
		3.0	14924.51	21129.62			
		6.0	-3985.49	33438.14			
		9.0	-22895.49	-2783.33			
		12.0	-33605.49	-87534.80			
6 -----							
1	89545.27						
		.0	25778.08	-40535.98			
		3.0	15068.08	20733.24			
		6.0	-3841.92	33472.47			
		9.0	-22751.92	-2318.31			
		12.0	-33461.92	-86639.08			
9 -----							
1	83123.40						
		.0	25924.18	-41399.88			
		3.0	15214.18	20307.67			
		6.0	-3695.82	33485.22			
		9.0	-22605.82	-1867.23			
		12.0	-33315.82	-85749.68			
2 -----							
1	75348.85						
		.0	26153.65	-42742.54			
		3.0	15443.65	19653.42			
		6.0	-3466.35	33519.39			
		9.0	-22376.35	-1144.65			
		12.0	-33086.35	-84338.69			
75 -----							
1	65953.79						
		.0	26451.34	-44500.42			
		3.0	15741.34	18788.62			
		6.0	-3168.66	33547.65			
		9.0	-22078.66	-223.32			
		12.0	-32788.66	-82524.28			
78 -----							
1	55154.93						
		.0	26809.99	-46628.23			
		3.0	16099.99	17736.76			
		6.0	-2810.01	33571.74			
		9.0	-21720.01	876.72			
		12.0	-32430.01	-80348.30			

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N A M E E L E M E N T F O R C E S

T	LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
				SHEAR	MOMENT	SHEAR	MOMENT	
D	COMB	FORCE	ENDI					
1		-----						
	1	43137.32						
			.0	27221.94	-49079.14			
			3.0	16511.94	16521.68			
			6.0	-2398.06	33592.49			
			9.0	-21308.06	2133.31			
			12.0	-32018.06	-77855.88			
34		-----						
	1	30443.09						
			.0	27673.63	-51790.55			
			3.0	16963.63	15165.35			
			6.0	-1946.37	33591.25			
			9.0	-20856.37	3487.15			
			12.0	-31566.37	-75146.95			
37		-----						
	1	16049.96						
			.0	28177.01	-54688.84			
			3.0	17467.01	13777.21			
			6.0	-1442.99	33713.25			
			9.0	-20352.99	5119.29			
			12.0	-31062.99	-72004.67			
58		-----						
	1	52102.91						
			.0	-2589.94	54436.49			
			2.0	-9729.94	42116.61			
			4.0	-25069.94	15516.73			
			6.0	-32209.94	-41763.15			
			8.0	-47549.94	-113323.03			
51		-----						
		1115331.34						
			.0	13065.37	-6644.01			
			2.0	5925.37	12346.73			
			4.0	-9414.63	17057.46			
			6.0	-16554.63	-8911.81			
			8.0	-31894.63	-49161.07			
64		-----						
	1	88567.26						
			.0	12713.63	-4941.77			
			2.0	5573.63	13345.48			
			4.0	-9766.37	17352.74			
			6.0	-16906.37	-9320.01			
			8.0	-32246.37	-50272.76			
67		-----						
	1	81633.79						
			.0	13037.76	-6475.44			
			2.0	5897.76	12460.07			
			4.0	-9442.24	17115.58			
			6.0	-16582.24	-8908.91			
			8.0	-31922.24	-49213.40			
70		-----						
	1	75274.19						
			.0	13455.45	-8070.11			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		2.0	6315.45	11700.79		
		4.0	-9024.55	17191.69		
		6.0	-16164.55	-7997.40		
		8.0	-31504.55	-47466.50		
3	1	67361.87				
		.0	13958.20	-10044.71		
		2.0	6818.20	10731.69		
		4.0	-8521.80	17228.09		
		6.0	-15661.80	-6955.51		
		8.0	-31001.80	-45419.11		
6	1	58509.71				
		.0	14545.02	-12341.71		
		2.0	7405.02	9608.33		
		4.0	-7934.98	17278.37		
		6.0	-15074.98	-5731.59		
		8.0	-30414.98	-43021.55		
9	1	48571.09				
		.0	15221.65	-14990.15		
		2.0	8081.65	8313.16		
		4.0	-7258.35	17336.47		
		6.0	-14398.35	-4320.23		
		8.0	-29738.35	-40256.92		
12	1	37635.69				
		.0	15992.78	-18016.23		
		2.0	8852.78	6829.33		
		4.0	-6487.22	17394.88		
		6.0	-13627.22	-2719.56		
		8.0	-28967.22	-37114.01		
35	1	25253.73				
		.0	16872.38	-21426.89		
		2.0	9732.38	5177.87		
		4.0	-5607.62	17502.63		
		6.0	-12747.62	-852.61		
		8.0	-28087.62	-33487.85		
38	1	6781.19				
		.0	18052.16	-26024.54		
		2.0	10912.16	2939.78		
		4.0	-4427.84	17624.11		
		6.0	-11567.84	1628.44		
		8.0	-26907.84	-28647.23		
39	1	53546.20				
		.0	12578.75	-20879.48		
		2.0	8198.75	-101.98		
		4.0	-2061.25	11915.53		
		6.0	-6441.25	3413.04		

sasa Statis Portal (13 lantai) Kg/m

M M E E L E M E N T F O R C E S

L O -	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
-			8.0	-10821.25	-13849.45			
L	1	-5595.63						
			.0	12553.18	-21331.64			
			2.0	8173.18	-605.29			
			4.0	-2086.82	11361.06			
			6.0	-6466.82	2807.42			
3			8.0	-10846.82	-14506.23			
0	1	-25321.27						
			.0	17924.43	-33412.64			
			3.0	11354.43	10505.65			
			6.0	-1095.57	22953.93			
			9.0	-13545.57	3932.21			
9			12.0	-20115.57	-46559.50			

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sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-3614.61	5401.17			
		2.0	-3614.61	1786.56			
		3.0	-3614.61	-1828.06			
		4.0	-3614.61	-5442.67			

	1-72398.57	.0	-4400.03	11050.70			
		1.0	-4400.03	6650.67			
		2.0	-4400.03	2250.63			
		3.0	-4400.03	-2149.40			
		4.0	-4400.03	-6549.44			

	1-68735.66	.0	-5261.08	13221.32			
		1.0	-5261.08	7960.24			
		2.0	-5261.08	2699.16			
		3.0	-5261.08	-2561.92			
		4.0	-5261.08	-7823.00			

	1-59294.81	.0	-6190.74	15499.55			
		1.0	-6190.74	9308.81			
		2.0	-6190.74	3118.07			
		3.0	-6190.74	-3072.67			
		4.0	-6190.74	-9263.41			

	1-43520.87	.0	-7148.03	17947.27			
		1.0	-7148.03	10799.25			
		2.0	-7148.03	3651.22			
		3.0	-7148.03	-3496.80			
		4.0	-7148.03	-10644.83			

	1-20697.35	.0	-10578.13	20818.16			
		1.0	-10578.13	10240.04			
		2.0	-10578.13	-338.09			
		3.0	-10578.13	-10916.21			
		4.0	-10578.13	-21494.34			

	1*****	.0	82274.06	-288751.15			
		1.0	82274.06	-206477.09			
		2.0	82274.06	-124203.03			
		3.0	82274.06	-41928.97			
		4.0	82274.06	40345.09			

	1*****	.0	85193.49	-184362.92			
		1.0	85193.49	-99169.43			
		2.0	85193.49	-13975.93			
		3.0	85193.49	71217.56			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		4.0	85193.49	156411.05			
) -----							
	1*****						
		.0	77285.87	-92936.80			
		1.0	77285.87	-15650.93			
		2.0	77285.87	61634.94			
		3.0	77285.87	138920.82			
		4.0	77285.87	216206.69			
4	-----						
	1*****						
		.0	-29823.46	107921.48			
		1.0	-29823.46	78098.02			
		2.0	-29823.46	48274.57			
		3.0	-29823.46	18451.11			
		4.0	-29823.46	-11372.35			
8	-----						
	1*****						
		.0	5060.67	-13718.48			
		1.0	5060.67	-8657.82			
		2.0	5060.67	-3597.15			
		3.0	5060.67	1463.52			
		4.0	5060.67	6524.18			
2	-----						
	1*****						
		.0	795.61	-278.45			
		1.0	795.61	517.16			
		2.0	795.61	1312.77			
		3.0	795.61	2108.38			
		4.0	795.61	2903.99			
26	-----						
	1*****						
		.0	44.32	1106.45			
		1.0	44.32	1150.76			
		2.0	44.32	1195.08			
		3.0	44.32	1239.40			
		4.0	44.32	1283.72			
50	-----						
	1*****						
		.0	-1073.28	3784.05			
		1.0	-1073.28	2710.77			
		2.0	-1073.28	1637.49			
		3.0	-1073.28	564.21			
		4.0	-1073.28	-509.08			
54	-----						
	1*****						
		.0	-2356.96	6808.65			
		1.0	-2356.96	4451.68			
		2.0	-2356.96	2094.72			
		3.0	-2356.96	-262.24			
		4.0	-2356.96	-2619.21			
38	-----						
	1-90927.88						

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.0	-3785.31	10088.66			
		1.0	-3785.31	6303.35			
		2.0	-3785.31	2518.03			
		3.0	-3785.31	-1267.28			
		4.0	-3785.31	-5052.59			
2		-----					
		1-63645.88					
		.0	-5344.20	13624.04			
		1.0	-5344.20	8279.83			
		2.0	-5344.20	2935.63			
		3.0	-5344.20	-2408.57			
		4.0	-5344.20	-7752.78			
6		-----					
		1-39323.21					
		.0	-7268.83	17483.02			
		1.0	-7268.83	10214.19			
		2.0	-7268.83	2945.36			
		3.0	-7268.83	-4323.47			
		4.0	-7268.83	-11592.30			
50		-----					
		1-16266.76					
		.0	-10209.75	20511.31			
		1.0	-10209.75	10301.56			
		2.0	-10209.75	91.81			
		3.0	-10209.75	-10117.93			
		4.0	-10209.75	-20327.68			
3		-----					
		1*****					
		.0	91381.99	-300086.77			
		1.0	91381.99	-208704.77			
		2.0	91381.99	-117322.78			
		3.0	91381.99	-25940.79			
		4.0	91381.99	65441.21			
7		-----					
		1*****					
		.0	99236.56	-217196.86			
		1.0	99236.56	-117960.30			
		2.0	99236.56	-18723.74			
		3.0	99236.56	80512.81			
		4.0	99236.56	179749.37			
11		-----					
		1*****					
		.0	101363.53	-139783.72			
		1.0	101363.53	-38420.19			
		2.0	101363.53	62943.34			
		3.0	101363.53	164306.86			
		4.0	101363.53	265670.39			
15		-----					
		1*****					
		.0	-11590.38	75155.12			
		1.0	-11590.38	63564.75			
		2.0	-11590.38	51974.37			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		3.0	-11590.38	40383.99			
		4.0	-11590.38	28793.62			

	1*****						
		.0	23301.88	-49190.27			
		1.0	23301.88	-25888.39			
		2.0	23301.88	-2586.50			
		3.0	23301.88	20715.38			
		4.0	23301.88	44017.26			
5	-----						
	1*****						
		.0	19711.97	-37977.52			
		1.0	19711.97	-18265.56			
		2.0	19711.97	1446.41			
		3.0	19711.97	21158.38			
		4.0	19711.97	40870.34			
7	-----						
	1*****						
		.0	19543.84	-37845.72			
		1.0	19543.84	-18301.88			
		2.0	19543.84	1241.96			
		3.0	19543.84	20785.79			
		4.0	19543.84	40329.63			
1	-----						
	1*****						
		.0	18497.01	-35142.03			
		1.0	18497.01	-16645.02			
		2.0	18497.01	1851.99			
		3.0	18497.01	20349.00			
		4.0	18497.01	38846.00			
5	-----						
	1*****						
		.0	17367.92	-32472.59			
		1.0	17367.92	-15104.67			
		2.0	17367.92	2263.25			
		3.0	17367.92	19631.17			
		4.0	17367.92	36999.10			
9	-----						
	1*****						
		.0	16060.05	-29459.34			
		1.0	16060.05	-13399.29			
		2.0	16060.05	2660.75			
		3.0	16060.05	18720.80			
		4.0	16060.05	34780.85			
3	-----						
	1*****						
		.0	14521.25	-26117.02			
		1.0	14521.25	-11595.77			
		2.0	14521.25	2925.48			
		3.0	14521.25	17446.74			
		4.0	14521.25	31967.99			

Essa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	

	1-72624.64						
		.0	13305.85	-22757.60			
3		1.0	13305.85	-9451.75			
		2.0	13305.85	3854.10			
		3.0	13305.85	17159.96			
		4.0	13305.85	30465.81			
1	-----						
	1-26167.12						
		.0	10505.63	-16338.53			
2		1.0	10505.63	-5832.90			
		2.0	10505.63	4672.73			
		3.0	10505.63	15178.36			
		4.0	10505.63	25683.99			
4	-----						
	1*****						
		.0	74802.26	-278850.80			
		1.0	74802.26	-204048.54			
		2.0	74802.26	-129246.27			
		3.0	74802.26	-54444.01			
		4.0	74802.26	20358.25			
8	-----						
	1*****						
		.0	67756.59	-156621.87			
		1.0	67756.59	-88865.28			
		2.0	67756.59	-21108.68			
		3.0	67756.59	46647.91			
		4.0	67756.59	114404.50			
12	-----						
	1*****						
		.0	76246.28	-85820.66			
		1.0	76246.28	-9574.37			
14		2.0	76246.28	66671.91			
		3.0	76246.28	142918.20			
		4.0	76246.28	219164.48			
16	-----						
	1*****						
		.0	-18948.41	97602.49			
		1.0	-18948.41	78654.09			
		2.0	-18948.41	59705.68			
		3.0	-18948.41	40757.27			
		4.0	-18948.41	21808.87			
20	-----						
	1*****						
		.0	12713.66	-26699.92			
		1.0	12713.66	-13986.26			
		2.0	12713.66	-1272.60			
		3.0	12713.66	11441.06			
		4.0	12713.66	24154.72			
24	-----						
	1*****						
		.0	13032.01	-25774.25			

sa spa Statis Portal (13 lantai) Kg/m

M E M E E L E M E N T F O R C E S

LOA COM	LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR 5830.53	MOMENT 15276.34	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
	1	3728.33						
			.0	-23699.66	134806.86			
			2.0	-29239.66	81867.53			
5			4.0	-42979.66	17848.20			
			6.0	-48519.66	-73651.13			
			8.0	-54059.66	-176230.46			
	1	2709.04						
			.0	-26415.62	145209.76			
			2.0	-31955.62	86838.52			
8			4.0	-45695.62	17387.28			
			6.0	-51235.62	-79543.96			
			8.0	-56775.62	-187555.20			
	1	808.89						
			.0	7720.02	48477.55			
			3.0	-589.98	59172.61			
1			6.0	-17099.98	28537.67			
			9.0	-33609.98	-43427.27			
			12.0	-41919.98	-156722.21			
	1	10616.66						
			.0	5387.63	61792.65			
			3.0	-2922.37	65490.53			
4			6.0	-19432.37	27858.42			
			9.0	-35942.37	-51103.70			
			12.0	-44252.37	-171395.82			
	1	-7045.67						
			.0	-22682.00	125915.86			
			2.0	-28222.00	75011.86			
7			4.0	-41962.00	13027.87			
			6.0	-47502.00	-76436.13			
			8.0	-53042.00	-176980.12			
	1	8489.69						
			.0	-28365.30	148137.27			
			2.0	-33905.30	85866.66			
30			4.0	-47645.30	12516.06			
			6.0	-53185.30	-88314.55			
			8.0	-58725.30	-200225.16			
	1	73333.89						
			.0	-2049.62	55113.68			
			2.0	-9189.62	43874.44			
33			4.0	-24529.62	18355.21			
			6.0	-31669.62	-37844.02			
			8.0	-38809.62	-108323.26			
	1	51313.66						

sa Statis Portal (13 lantai) Kg/m

M E E L F M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		6.0	-11183.83	2735.11		
		8.0	-18323.83	-26772.54		

5	1-47720.68					
		.0	19454.72	-31447.60		
		2.0	12314.72	321.84		
		4.0	-3025.28	17811.29		
		6.0	-10165.28	4620.73		
		8.0	-17305.28	-22849.83		

0	1 80436.57					
		.0	18988.78	-427.09		
		3.0	8278.78	40474.26		
		6.0	-10631.22	32845.60		
		9.0	-29541.22	-23313.05		
		12.0	-40251.22	-128001.70		

3	1 99181.30					
		.0	26093.37	-42525.28		
		3.0	15383.37	19689.82		
		6.0	-3526.63	33374.93		
		9.0	-22436.63	-1469.97		
		12.0	-33146.63	-84844.86		

6	1 92688.00					
		.0	25709.32	-40076.38		
		3.0	14999.32	20986.57		
		6.0	-3910.68	33519.52		
		9.0	-22820.68	-2477.54		
		12.0	-33530.68	-87004.59		

9	1 82851.76					
		.0	25961.15	-41568.26		
		3.0	15251.15	20250.19		
		6.0	-3658.85	33538.64		
		9.0	-22568.85	-1702.92		
		12.0	-33278.85	-85474.47		

2	1 74462.34					
		.0	26193.34	-42954.69		
		3.0	15483.34	19560.32		
		6.0	-3426.66	33545.34		
		9.0	-22336.66	-999.64		
		12.0	-33046.66	-84074.62		

5	1 64963.73					
		.0	26499.60	-44761.56		
		3.0	15789.60	18672.24		
		6.0	-3120.40	33576.03		
		9.0	-22030.40	-50.18		
		12.0	-32740.40	-82206.38		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	54050.42						
		.0	26863.77	-46922.47			
		3.0	16153.77	17603.83			
		6.0	-2756.23	33600.14			
		9.0	-21666.23	1066.45			
		12.0	-32376.23	-79997.24			

1	41966.19						
		.0	27279.32	-49395.37			
		3.0	16569.32	16377.60			
		6.0	-2340.68	33620.56			
		9.0	-21250.68	2333.52			
		12.0	-31960.68	-77483.51			

4	29253.94						
		.0	27733.11	-52119.53			
		3.0	17023.11	15014.79			
		6.0	-1886.89	33619.11			
		9.0	-20796.89	3693.43			
		12.0	-31506.89	-74762.26			

17	14658.02						
		.0	28239.28	-55026.55			
		3.0	17529.28	13626.29			
		6.0	-1380.72	33749.12			
		9.0	-20290.72	5341.96			
		12.0	-31000.72	-71595.21			

51	52740.13						
		.0	-4513.82	62064.82			
		2.0	-11653.82	45897.18			
		4.0	-26993.82	15449.55			
		6.0	-34133.82	-45678.09			
		8.0	-41273.82	-121085.72			

54	1115094.58						
		.0	13252.32	-7340.57			
		2.0	6112.32	12024.06			
		4.0	-9227.68	17108.70			
		6.0	-16367.68	-8486.67			
		8.0	-23507.68	-48362.03			

67	84589.80						
		.0	12825.56	-5351.58			
		2.0	5685.56	13159.54			
		4.0	-9654.44	17390.66			
		6.0	-16794.44	-9058.21			
		8.0	-23934.44	-49787.09			

70	77099.26						
		.0	13193.74	-7072.51			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIA	
COMB			SHEAR	MOMENT	SHEAR	MOMENT	TOR	
		2.0	6053.74	12174.97				
		4.0	-9286.26	17142.45				
		6.0	-16426.26	-8570.07				
		8.0	-23566.26	-48562.59				
3	-----							
	1	70119.96						
		.0	13671.77	-8891.72				
		2.0	6531.77	11311.83				
		4.0	-8808.23	17235.37				
		6.0	-15948.23	-7521.08				
		8.0	-23088.23	-46557.54				
6	-----							
	1	61420.82						
		.0	14245.95	-11142.12				
		2.0	7105.95	10209.78				
		4.0	-8234.05	17281.69				
		6.0	-15374.05	-6326.41				
		8.0	-22514.05	-44214.51				
19	-----							
	1	51684.19						
		.0	14913.94	-13754.46				
		2.0	7773.94	8933.43				
		4.0	-7566.06	17341.32				
		6.0	-14706.06	-4930.79				
		8.0	-21846.06	-41482.90				
32	-----							
	1	40905.99						
		.0	15679.66	-16758.01				
		2.0	8539.66	7461.31				
		4.0	-6800.34	17400.62				
		6.0	-13940.34	-3340.06				
		8.0	-21080.34	-38360.74				
35	-----							
	1	28637.50						
		.0	16558.21	-20163.57				
		2.0	9418.21	5812.86				
		4.0	-5921.79	17509.29				
		6.0	-13061.79	-1474.28				
		8.0	-20201.79	-34737.85				
88	-----							
	1	9715.17						
		.0	17770.47	-24868.40				
		2.0	10630.47	3532.55				
		4.0	-4709.53	17653.49				
		6.0	-11849.53	1094.43				
		8.0	-18989.53	-29744.62				
89	-----							
	1	55738.31						
		.0	12724.61	-21474.91				
		2.0	8344.61	-405.68				
		4.0	-1915.39	11903.54				
		6.0	-6295.39	3692.77				

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
COMB			SHEAR	MOMENT	SHEAR	TOR
		8.0	-10675.39	-13278.00		

1	-5830.53					
		.0	12344.27	-20430.54		
		2.0	7964.27	-121.99		
		4.0	-2295.73	11426.56		
		6.0	-6675.73	2455.11		
		8.0	-11055.73	-15276.34		

0	1-28807.39					
		.0	17983.30	-33688.64		
		3.0	11413.30	10406.27		
		6.0	-1036.70	23031.17		
		9.0	-13486.70	4186.07		
		12.0	-20056.70	-46129.03		

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ

1	1 63182.77					
	.0	66991.69	-274112.14			
	1.0	66991.69	-207120.45			
	2.0	66991.69	-140128.76			
	3.0	66991.69	-73137.07			
	4.0	66991.69	-6145.38			

5	1 37867.46					
	.0	57206.58	-147424.71			
	1.0	57206.58	-90218.12			
	2.0	57206.58	-33011.54			
	3.0	57206.58	24195.05			
	4.0	57206.58	81401.63			

9	1 3959.80					
	.0	56268.07	-94726.45			
	1.0	56268.07	-38458.38			
	2.0	56268.07	17809.69			
	3.0	56268.07	74077.76			
	4.0	56268.07	130345.84			

13	1-23936.27					
	.0	47637.57	-20846.70			
	1.0	47637.57	26790.87			
	2.0	47637.57	74428.44			
	3.0	47637.57	122066.01			
	4.0	47637.57	169703.57			

17	1-25378.58					
	.0	-33210.05	116949.05			
	1.0	-33210.05	83739.00			
	2.0	-33210.05	50528.95			
	3.0	-33210.05	17318.91			
	4.0	-33210.05	-15891.14			

21	1-56703.18					
	.0	506.43	-3959.10			
	1.0	506.43	-3452.67			
	2.0	506.43	-2946.24			
	3.0	506.43	-2439.81			
	4.0	506.43	-1933.38			

25	1-67204.37					
	.0	-3116.24	8155.85			
	1.0	-3116.24	5039.61			
	2.0	-3116.24	1923.37			
	3.0	-3116.24	-1192.87			
	4.0	-3116.24	-4309.11			

29	1-73541.12					
	.0	-3741.48	9402.33			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-3741.48	5660.84			
		2.0	-3741.48	1919.36			
		3.0	-3741.48	-1822.12			
		4.0	-3741.48	-5563.61			

	1-74588.57	.0	-4497.25	11273.62			
		1.0	-4497.25	6776.37			
		2.0	-4497.25	2279.12			
		3.0	-4497.25	-2218.13			
		4.0	-4497.25	-6715.38			

	1-70377.64	.0	-5334.56	13370.93			
		1.0	-5334.56	8036.38			
		2.0	-5334.56	2701.82			
		3.0	-5334.56	-2632.74			
		4.0	-5334.56	-7967.29			

	1-60452.09	.0	-6257.34	15633.43			
		1.0	-6257.34	9376.09			
		2.0	-6257.34	3118.74			
		3.0	-6257.34	-3138.60			
		4.0	-6257.34	-9395.94			

	1-44243.10	.0	-7210.24	18065.35			
		1.0	-7210.24	10855.11			
		2.0	-7210.24	3644.87			
		3.0	-7210.24	-3565.37			
		4.0	-7210.24	-10775.61			

	1-21026.68	.0	-10645.86	20911.39			
		1.0	-10645.86	10265.53			
		2.0	-10645.86	-380.33			
		3.0	-10645.86	-11026.19			
		4.0	-10645.86	-21672.05			

	1*****	.0	81722.62	-292989.55			
		1.0	81722.62	-211266.93			
		2.0	81722.62	-129544.31			
		3.0	81722.62	-47821.69			
		4.0	81722.62	33900.93			

	1*****	.0	85542.73	-201863.35			
		1.0	85542.73	-116320.62			
		2.0	85542.73	-30777.89			
		3.0	85542.73	54764.85			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		4.0	85542.73	140307.58			

	1*****	.0	84792.41	-155918.73			
		1.0	84792.41	-71126.33			
		2.0	84792.41	13666.08			
		3.0	84792.41	98458.49			
		4.0	84792.41	183250.89			
4	-----						
	1*****	.0	74201.17	-79361.76			
		1.0	74201.17	-5160.60			
		2.0	74201.17	69040.57			
		3.0	74201.17	143241.74			
		4.0	74201.17	217442.91			
8	-----						
	1*****	.0	-30722.49	110712.68			
		1.0	-30722.49	79990.19			
		2.0	-30722.49	49267.70			
		3.0	-30722.49	18545.21			
		4.0	-30722.49	-12177.28			
12	-----						
	1*****	.0	4229.20	-11476.61			
		1.0	4229.20	-7247.41			
		2.0	4229.20	-3018.22			
		3.0	4229.20	1210.98			
		4.0	4229.20	5440.18			
26	-----						
	1*****	.0	-243.53	2363.62			
		1.0	-243.53	2120.10			
		2.0	-243.53	1876.57			
		3.0	-243.53	1633.05			
		4.0	-243.53	1389.52			
30	-----						
	1*****	.0	-1121.63	3937.97			
		1.0	-1121.63	2816.34			
		2.0	-1121.63	1694.71			
		3.0	-1121.63	573.07			
		4.0	-1121.63	-548.56			
34	-----						
	1*****	.0	-2384.19	6870.96			
		1.0	-2384.19	4486.77			
		2.0	-2384.19	2102.58			
		3.0	-2384.19	-281.61			
		4.0	-2384.19	-2665.80			
38	-----						
	1-88664.31						

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	.0	-3807.50	10137.44			
	1.0	-3807.50	6329.94			
	2.0	-3807.50	2522.44			
	3.0	-3807.50	-1285.06			
	4.0	-3807.50	-5092.57			
2	1-62094.15					
	.0	-5362.30	13661.73			
	1.0	-5362.30	8299.42			
	2.0	-5362.30	2937.12			
	3.0	-5362.30	-2425.18			
	4.0	-5362.30	-7787.49			
6	1-38423.52					
	.0	-7287.18	17509.92			
	1.0	-7287.18	10222.74			
	2.0	-7287.18	2935.56			
	3.0	-7287.18	-4351.62			
	4.0	-7287.18	-11638.80			
0	1-15952.70					
	.0	-10209.45	20501.55			
	1.0	-10209.45	10292.10			
	2.0	-10209.45	82.65			
	3.0	-10209.45	-10126.81			
	4.0	-10209.45	-20336.26			
3	1*****					
	.0	91450.85	-305405.10			
	1.0	91450.85	-213954.25			
	2.0	91450.85	-122503.40			
	3.0	91450.85	-31052.55			
	4.0	91450.85	60398.29			
7	1*****					
	.0	100792.55	-233232.36			
	1.0	100792.55	-132439.81			
	2.0	100792.55	-31647.25			
	3.0	100792.55	69145.30			
	4.0	100792.55	169937.86			
11	1*****					
	.0	99101.72	-188459.25			
	1.0	99101.72	-89357.53			
	2.0	99101.72	9744.18			
	3.0	99101.72	108845.90			
	4.0	99101.72	207947.61			
15	1*****					
	.0	99051.03	-127641.58			
	1.0	99051.03	-28590.55			
	2.0	99051.03	70460.48			

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		3.0	99051.03	169511.51			
		4.0	99051.03	268562.53			

9	1*****	.0	-12229.86	77599.53			
		1.0	-12229.86	65369.67			
		2.0	-12229.86	53139.81			
		3.0	-12229.86	40909.95			
		4.0	-12229.86	28680.09			

3	1*****	.0	22804.61	-47684.16			
		1.0	22804.61	-24879.55			
		2.0	22804.61	-2074.93			
		3.0	22804.61	20729.68			
		4.0	22804.61	43534.29			

17	1*****	.0	18999.32	-36055.61			
		1.0	18999.32	-17056.29			
		2.0	18999.32	1943.03			
		3.0	18999.32	20942.35			
		4.0	18999.32	39941.67			

51	1*****	.0	18634.45	-35561.28			
		1.0	18634.45	-16926.83			
		2.0	18634.45	1707.63			
		3.0	18634.45	20342.08			
		4.0	18634.45	38976.54			

35	1*****	.0	17396.77	-32512.62			
		1.0	17396.77	-15115.85			
		2.0	17396.77	2280.93			
		3.0	17396.77	19677.70			
		4.0	17396.77	37074.48			

39	1*****	.0	16093.85	-29526.60			
		1.0	16093.85	-13432.75			
		2.0	16093.85	2661.11			
		3.0	16093.85	18754.96			
		4.0	16093.85	34848.81			

43	1*****	.0	14554.45	-26186.60			
		1.0	14554.45	-11632.15			
		2.0	14554.45	2922.29			
		3.0	14554.45	17476.74			
		4.0	14554.45	32031.19			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
1-73074.63						
	.0	13348.20	-22833.74			
	1.0	13348.20	-9485.55			
	2.0	13348.20	3862.65			
	3.0	13348.20	17210.85			
	4.0	13348.20	30559.05			
1-26289.53						
	.0	10536.15	-16371.31			
	1.0	10536.15	-5835.16			
	2.0	10536.15	4700.99			
	3.0	10536.15	15237.15			
	4.0	10536.15	25773.30			
1*****						
	.0	74634.84	-283906.31			
	1.0	74634.84	-209271.47			
	2.0	74634.84	-134636.62			
	3.0	74634.84	-60001.78			
	4.0	74634.84	14633.06			
1*****						
	.0	67809.13	-168872.03			
	1.0	67809.13	-101062.90			
	2.0	67809.13	-33253.77			
	3.0	67809.13	34555.36			
	4.0	67809.13	102364.48			
1*****						
	.0	64289.81	-119775.86			
	1.0	64289.81	-55486.05			
	2.0	64289.81	8803.75			
	3.0	64289.81	73093.56			
	4.0	64289.81	137383.37			
1*****						
	.0	73214.24	-71687.06			
	1.0	73214.24	1527.18			
	2.0	73214.24	74741.42			
	3.0	73214.24	147955.65			
	4.0	73214.24	221169.89			
1*****						
	.0	-19656.09	100142.92			
	1.0	-19656.09	80486.83			
	2.0	-19656.09	60830.74			
	3.0	-19656.09	41174.65			
	4.0	-19656.09	21518.56			
1*****						
	.0	12348.18	-25474.59			

sa Statis Portal (13 lantai) Kg/m

M E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	AXIAL MOMENT	AXIAL TORQ
	1.0	12348.18	-13126.40			
	2.0	12348.18	-778.22			
	3.0	12348.18	11569.96			
	4.0	12348.18	23918.14			
8	1*****					
	.0	12546.59	-24258.68			
	1.0	12546.59	-11712.09			
	2.0	12546.59	834.49			
	3.0	12546.59	13381.08			
	4.0	12546.59	25927.67			
12	1*****					
	.0	11434.52	-20683.85			
	1.0	11434.52	-9249.34			
	2.0	11434.52	2185.18			
	3.0	11434.52	13619.70			
	4.0	11434.52	25054.21			
36	1*****					
	.0	10858.57	-19181.75			
	1.0	10858.57	-8323.18			
	2.0	10858.57	2535.39			
	3.0	10858.57	13393.96			
	4.0	10858.57	24252.53			
10	1*****					
	.0	10094.86	-17249.18			
	1.0	10094.86	-7154.32			
	2.0	10094.86	2940.55			
	3.0	10094.86	13035.41			
	4.0	10094.86	23130.27			
14	1-71023.26					
	.0	9336.73	-15239.06			
	1.0	9336.73	-5902.33			
	2.0	9336.73	3434.39			
	3.0	9336.73	12771.12			
	4.0	9336.73	22107.84			
48	1-36172.99					
	.0	8577.77	-12621.20			
	1.0	8577.77	-4043.42			
	2.0	8577.77	4534.35			
	3.0	8577.77	13112.12			
	4.0	8577.77	21689.90			
52	1-11040.02					
	.0	5807.84	-8007.12			
	1.0	5807.84	-2199.28			
	2.0	5807.84	3608.56			
	3.0	5807.84	9416.40			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	AXIAL MOMENT	TORQ

1	6336.11	.0	5807.84	15224.24			
		2.0	-25315.31	141279.33			
		4.0	-30855.31	85108.72			
		6.0	-44595.31	17858.11			
		8.0	-50135.31	-76872.51			
			-55675.31	-182683.12			

5	1	-5960.49	.0	-33907.66	176128.08		
			2.0	-39447.66	102772.77		
			4.0	-53187.66	18337.45		
			6.0	-58727.66	-93577.87		
			8.0	-64267.66	-216573.18		

9	1	-1717.50	.0	-27896.08	151192.54		
			2.0	-33436.08	89860.38		
			4.0	-47176.08	17448.23		
			6.0	-52716.08	-82443.93		
			8.0	-58256.08	-193416.09		

4	1	2515.99	.0	6956.58	53081.17		
			3.0	-1353.42	61485.91		
			6.0	-17863.42	28560.66		
			9.0	-34373.42	-45694.59		
			12.0	-42683.42	-161279.85		

7	1	-5210.16	.0	2507.19	79653.13		
			3.0	-5802.81	74709.70		
			6.0	-22312.81	28436.28		
			9.0	-38822.81	-59167.14		
			12.0	-47132.81	-188100.57		

50	1	8873.74	.0	4156.44	69196.57		
			3.0	-4153.56	69200.88		
			6.0	-20663.56	27875.18		
			9.0	-37173.56	-54780.51		
			12.0	-45483.56	-178766.20		

35	1	-6825.71	.0	-24301.99	132350.81		
			2.0	-29841.99	78206.83		
			4.0	-43581.99	12982.86		
			6.0	-49121.99	-79721.11		
			8.0	-54661.99	-183505.09		

58	1	-3519.32					

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T			F O R C E S		1-3 PLANE		AXIAL
LOAD	AXIAL	DIST	1-2 PLANE		SHEAR	MOMENT	TORQ
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.0	-33874.61	170296.54			
		2.0	-39414.61	97007.32			
		4.0	-53154.61	12638.10			
		6.0	-58694.61	-99211.12			
		8.0	-64234.61	-222140.35			
1	8924.43						
		.0	-30556.68	156822.99			
		2.0	-36096.68	90169.63			
		4.0	-49836.68	12436.28			
		6.0	-55376.68	-92777.07			
		8.0	-60916.68	-209070.42			
2	67049.61						
		.0	-1442.30	52754.53			
		2.0	-8582.30	42729.92			
		4.0	-23922.30	18425.31			
		6.0	-31062.30	-36559.29			
		8.0	-38202.30	-105823.90			
5	39754.83						
		.0	14719.73	-12164.27			
		2.0	7579.73	10135.19			
		4.0	-7760.27	18154.65			
		6.0	-14900.27	-4505.89			
		8.0	-22040.27	-41446.43			
8	30862.97						
		.0	14224.01	-10196.83			
		2.0	7084.01	11111.19			
		4.0	-8255.99	18139.20			
		6.0	-15395.99	-5512.79			
		8.0	-22535.99	-43444.77			
11	17646.06						
		.0	15124.24	-13807.82			
		2.0	7984.24	9300.67			
		4.0	-7355.76	18129.16			
		6.0	-14495.76	-3722.35			
		8.0	-21635.76	-39853.87			
74	5042.75						
		.0	15888.31	-16912.30			
		2.0	8748.31	7724.33			
		4.0	-6591.69	18080.95			
		6.0	-13731.69	-2242.43			
		8.0	-20871.69	-36845.81			
77	-7480.31						
		.0	16686.04	-20141.08			
		2.0	9546.04	6090.99			
		4.0	-5793.96	18043.06			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		6.0	-12933.96	-684.87			
		8.0	-20073.96	-33692.80			

1	20779.57						
		.0	17549.61	-23633.87			
		2.0	10409.61	4325.35			
		4.0	-4930.39	18004.57			
		6.0	-12070.39	1003.78			
		8.0	-19210.39	-30277.00			

3	35099.98						
		.0	18499.14	-27470.98			
		2.0	11359.14	2387.31			
		4.0	-3980.86	17965.59			
		6.0	-11120.86	2863.87			
		8.0	-18260.86	-26517.85			

6	648288.90						
		.0	19510.90	-31670.21			
		2.0	12370.90	211.58			
		4.0	-2969.10	17813.37			
		6.0	-10109.10	4735.16			
		8.0	-17249.10	-22623.05			

3	80035.97						
		.0	18834.21	533.08			
		3.0	8124.21	40970.70			
		6.0	-10785.79	32878.33			
		9.0	-29695.79	-23744.05			
		12.0	-40405.79	-128896.43			

6	96477.04						
		.0	26110.69	-42571.81			
		3.0	15400.69	19695.24			
		6.0	-3509.31	33432.30			
		9.0	-22419.31	-1360.64			
		12.0	-33129.31	-84683.59			

9	87426.21						
		.0	25817.49	-40677.66			
		3.0	15107.49	20709.80			
		6.0	-3802.51	33567.25			
		9.0	-22712.51	-2105.29			
		12.0	-33422.51	-86307.83			

72	75722.33						
		.0	26153.05	-42681.54			
		3.0	15443.05	19712.61			
		6.0	-3466.95	33576.76			
		9.0	-22376.95	-1089.09			
		12.0	-33086.95	-84284.93			

a Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
1	65718.24					
	.0	26457.78	-44508.07			
	3.0	15747.78	18800.27			
	6.0	-3162.22	33578.61			
	9.0	-22072.22	-173.05			
	12.0	-32782.22	-82454.71			
3	1	54790.97				
	.0	26827.36	-46700.02			
	3.0	16117.36	17717.05			
	6.0	-2792.64	33604.13			
	9.0	-21702.64	961.20			
	12.0	-32412.64	-80211.73			
1	1	42661.49				
	.0	27245.92	-49191.54			
	3.0	16535.92	16481.21			
	6.0	-2374.08	33623.97			
	9.0	-21284.08	2236.72			
	12.0	-31994.08	-77680.53			
4	1	29931.35				
	.0	27701.42	-51926.68			
	3.0	16991.42	15112.58			
	6.0	-1918.58	33621.85			
	9.0	-20828.58	3601.11			
	12.0	-31538.58	-74949.63			
7	1	15283.14				
	.0	28208.58	-54836.97			
	3.0	17498.58	13723.75			
	6.0	-1411.42	33754.48			
	9.0	-20321.42	5255.21			
	12.0	-31031.42	-71774.06			
64	1	50242.65				
	.0	-4391.55	61614.52			
	2.0	-11531.55	45691.42			
	4.0	-26871.55	15488.31			
	6.0	-34011.55	-45394.80			
	8.0	-41151.55	-120557.90			
67	1	1109591.21				
	.0	13620.72	-8784.09			
	2.0	6480.72	11317.35			
	4.0	-8859.28	17138.79			
	6.0	-15999.28	-7719.76			
	8.0	-23139.28	-46858.32			
70	1	77786.30				
	.0	13253.66	-7037.58			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	AXIAL TORQ
			SHEAR	MOMENT		
		2.0	6113.66	12329.74		
		4.0	-9226.34	17417.07		
		6.0	-16366.34	-8175.60		
		8.0	-23506.34	-48048.28		

1	69339.77	.0	13701.96	-9068.66		
		2.0	6561.96	11195.26		
		4.0	-8778.04	17179.18		
		6.0	-15918.04	-7516.91		
		8.0	-23058.04	-46492.99		

5	61329.16	.0	14265.84	-11221.70		
		2.0	7125.84	10169.98		
		4.0	-8214.16	17281.66		
		6.0	-15354.16	-6286.66		
		8.0	-22494.16	-44134.98		

9	51538.61	.0	14930.96	-13827.56		
		2.0	7790.96	8894.35		
		4.0	-7549.04	17336.27		
		6.0	-14689.04	-4901.82		
		8.0	-21829.04	-41419.90		

2	40801.28	.0	15693.75	-16818.75		
		2.0	8553.75	7428.74		
		4.0	-6786.25	17396.24		
		6.0	-13926.25	-3316.27		
		8.0	-21066.25	-38308.78		

5	28547.62	.0	16569.76	-20212.90		
		2.0	9429.76	5786.62		
		4.0	-5910.24	17506.13		
		6.0	-13050.24	-1454.35		
		8.0	-20190.24	-34694.83		

8	9546.11	.0	17783.18	-24922.44		
		2.0	10643.18	3503.92		
		4.0	-4696.82	17650.28		
		6.0	-11836.82	1116.64		
		8.0	-18976.82	-29697.00		

9	1-56306.23	.0	12771.07	-21651.55		
		2.0	8391.07	-489.41		
		4.0	-1868.93	11912.72		
		6.0	-6248.93	3794.86		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

1-3 PLANE AXIAL
SHEAR MOMENT TORQ

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT
	8.0		-10628.93	-13083.00

1	-5807.84			
	.0		12359.98	-20504.08
	2.0		7979.98	-164.12
	4.0		-2280.02	11415.84
	6.0		-6660.02	2475.80
	8.0		-11040.02	-15224.24

1	-28660.04			
	.0		17954.29	-33503.87
	3.0		11384.29	10504.01
	6.0		-1065.71	23041.89
	9.0		-13515.71	4109.76
	12.0		-20085.71	-46292.36

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	AXIAL MOMENT	TORQ
			SHEAR	MOMENT			
		3.0	96588.46	115410.99			
		4.0	96588.46	211999.45			

9	1*****	.0	95258.93	-119538.64			
		1.0	95258.93	-24279.71			
		2.0	95258.93	70979.23			
		3.0	95258.93	166238.16			
		4.0	95258.93	261497.10			

3	1*****	.0	-11671.21	75371.99			
		1.0	-11671.21	63700.78			
		2.0	-11671.21	52029.56			
		3.0	-11671.21	40358.35			
		4.0	-11671.21	28687.14			

17	1*****	.0	22050.18	-45581.01			
		1.0	22050.18	-23530.82			
		2.0	22050.18	-1480.64			
		3.0	22050.18	20569.54			
		4.0	22050.18	42619.73			

1	1*****	.0	18138.99	-33883.31			
		1.0	18138.99	-15744.31			
		2.0	18138.99	2394.68			
		3.0	18138.99	20533.68			
		4.0	18138.99	38672.67			

15	1*****	.0	17561.68	-32979.02			
		1.0	17561.68	-15417.34			
		2.0	17561.68	2144.33			
		3.0	17561.68	19706.01			
		4.0	17561.68	37267.69			

19	1*****	.0	16151.79	-29622.33			
		1.0	16151.79	-13470.54			
		2.0	16151.79	2681.24			
		3.0	16151.79	18833.03			
		4.0	16151.79	34984.81			

3	1*****	.0	14614.30	-26305.11			
		1.0	14614.30	-11690.81			
		2.0	14614.30	2923.49			
		3.0	14614.30	17537.79			
		4.0	14614.30	32152.09			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

1-3 PLANE AXIAL
SHEAR MOMENT TORQ

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT
		4.0	85120.54	134918.13

1*****

	.0		85087.84	-172662.62
	1.0		85087.84	-87574.78
	2.0		85087.84	-2486.94
	3.0		85087.84	82600.90
	4.0		85087.84	167688.73

4 -----

1*****

	.0		81692.41	-140631.99
	1.0		81692.41	-58939.58
	2.0		81692.41	22752.83
	3.0		81692.41	104445.24
	4.0		81692.41	186137.64

8 -----

1*****

	.0		69824.49	-70162.47
	1.0		69824.49	-337.98
	2.0		69824.49	69486.50
	3.0		69824.49	139310.99
	4.0		69824.49	209135.48

2 -----

1*****

	.0		-30412.47	108911.74
	1.0		-30412.47	78499.26
	2.0		-30412.47	48086.79
	3.0		-30412.47	17674.31
	4.0		-30412.47	-12738.16

16 -----

1*****

	.0		3132.05	-8610.01
	1.0		3132.05	-5477.96
	2.0		3132.05	-2345.91
	3.0		3132.05	786.13
	4.0		3132.05	3918.18

50 -----

1*****

	.0		-1407.19	5191.00
	1.0		-1407.19	3783.81
	2.0		-1407.19	2376.63
	3.0		-1407.19	969.44
	4.0		-1407.19	-437.75

34 -----

1*****

	.0		-2423.08	7006.59
	1.0		-2423.08	4583.51
	2.0		-2423.08	2160.42
	3.0		-2423.08	-262.66
	4.0		-2423.08	-2685.74

38 -----

1-85049.64

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ

1	76121.94						
		.0	66562.71	-274236.61			
		1.0	66562.71	-207673.90			
		2.0	66562.71	-141111.18			
		3.0	66562.71	-74548.47			
		4.0	66562.71	-7985.76			

1	50561.44						
		.0	56272.08	-150243.72			
		1.0	56272.08	-93971.63			
		2.0	56272.08	-37699.55			
		3.0	56272.08	18572.53			
		4.0	56272.08	74844.62			

1	15029.67						
		.0	52640.81	-107808.42			
		1.0	52640.81	-55167.61			
		2.0	52640.81	-2526.80			
		3.0	52640.81	50114.01			
		4.0	52640.81	102754.82			

1	20130.07						
		.0	52758.54	-78418.68			
		1.0	52758.54	-25660.13			
		2.0	52758.54	27098.41			
		3.0	52758.54	79856.95			
		4.0	52758.54	132615.50			

1	46623.05						
		.0	43801.08	-12958.40			
		1.0	43801.08	30842.69			
		2.0	43801.08	74643.77			
		3.0	43801.08	118444.85			
		4.0	43801.08	162245.94			

1	46764.87						
		.0	-32626.19	114650.11			
		1.0	-32626.19	82023.92			
		2.0	-32626.19	49397.73			
		3.0	-32626.19	16771.53			
		4.0	-32626.19	-15854.66			

1	72143.80						
		.0	-553.76	-916.27			
		1.0	-553.76	-1470.03			
		2.0	-553.76	-2023.80			
		3.0	-553.76	-2577.56			
		4.0	-553.76	-3131.32			

1	77201.96						
		.0	-3972.63	10376.03			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDE	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-19062.55	78536.11			
		2.0	-19062.55	59473.56			
		3.0	-19062.55	40411.02			
		4.0	-19062.55	21348.47			
3	-----						
	1*****						
		.0	11882.09	-23961.02			
		1.0	11882.09	-12078.93			
		2.0	11882.09	-196.84			
		3.0	11882.09	11685.25			
		4.0	11882.09	23567.34			
2	-----						
	1*****						
		.0	11953.57	-22530.82			
		1.0	11953.57	-10577.25			
		2.0	11953.57	1376.32			
		3.0	11953.57	13329.89			
		4.0	11953.57	25283.47			
6	-----						
	1*****						
		.0	10767.51	-18880.92			
		1.0	10767.51	-8113.41			
		2.0	10767.51	2654.11			
		3.0	10767.51	13421.62			
		4.0	10767.51	24189.14			
0	-----						
	1*****						
		.0	10082.42	-17226.69			
		1.0	10082.42	-7144.27			
		2.0	10082.42	2938.15			
		3.0	10082.42	13020.56			
		4.0	10082.42	23102.98			
4	-----						
	1-70759.25						
		.0	9322.05	-15196.99			
		1.0	9322.05	-5874.93			
		2.0	9322.05	3447.12			
		3.0	9322.05	12769.18			
		4.0	9322.05	22091.23			
18	-----						
	1-35995.67						
		.0	8563.04	-12573.15			
		1.0	8563.04	-4010.12			
		2.0	8563.04	4552.92			
		3.0	8563.04	13115.96			
		4.0	8563.04	21678.99			
12	-----						
	1-11013.74						
		.0	5769.03	-7939.25			
		1.0	5769.03	-2170.23			
		2.0	5769.03	3598.80			
		3.0	5769.03	9367.82			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-73813.53							
	.0		13419.30	-22956.37			
	1.0		13419.30	-9537.07			
	2.0		13419.30	3882.24			
	3.0		13419.30	17301.54			
	4.0		13419.30	30720.85			

1	1-26493.50						
	.0		10584.32	-16419.33			
	1.0		10584.32	-5835.01			
	2.0		10584.32	4749.31			
	3.0		10584.32	15333.64			
	4.0		10584.32	25917.96			

4	1*****						
	.0		74129.83	-284127.08			
	1.0		74129.83	-209997.25			
	2.0		74129.83	-135867.43			
	3.0		74129.83	-61737.60			
	4.0		74129.83	12392.22			

8	1*****						
	.0		67460.61	-172479.05			
	1.0		67460.61	-105018.44			
	2.0		67460.61	-37557.83			
	3.0		67460.61	29902.79			
	4.0		67460.61	97363.40			

2	1*****						
	.0		64332.99	-131355.59			
	1.0		64332.99	-67022.59			
	2.0		64332.99	-2689.60			
	3.0		64332.99	61643.40			
	4.0		64332.99	125976.39			

.6	1*****						
	.0		61413.59	-104225.10			
	1.0		61413.59	-42811.51			
	2.0		61413.59	18602.08			
	3.0		61413.59	80015.67			
	4.0		61413.59	141429.26			

20	1*****						
	.0		69791.49	-64234.62			
	1.0		69791.49	5556.88			
	2.0		69791.49	75348.37			
	3.0		69791.49	145139.86			
	4.0		69791.49	214931.36			

24	1*****						
	.0		-19062.55	97598.66			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3829.03	10192.67			
		1.0	-3829.03	6363.64			
		2.0	-3829.03	2534.61			
		3.0	-3829.03	-1294.43			
		4.0	-3829.03	-5123.46			
2	1-59607.94						
		.0	-5379.13	13703.42			
		1.0	-5379.13	8324.30			
		2.0	-5379.13	2945.17			
		3.0	-5379.13	-2433.96			
		4.0	-5379.13	-7813.08			
6	1-36971.49						
		.0	-7308.59	17544.06			
		1.0	-7308.59	10235.47			
		2.0	-7308.59	2926.87			
		3.0	-7308.59	-4381.72			
		4.0	-7308.59	-11690.31			
0	1-15438.41						
		.0	-10206.02	20485.64			
		1.0	-10206.02	10279.62			
		2.0	-10206.02	73.60			
		3.0	-10206.02	-10132.41			
		4.0	-10206.02	-20338.43			
3	1*****						
		.0	91062.59	-305749.81			
		1.0	91062.59	-214687.21			
		2.0	91062.59	-123624.62			
		3.0	91062.59	-32562.03			
		4.0	91062.59	58500.56			
7	1*****						
		.0	100820.76	-237491.95			
		1.0	100820.76	-136671.20			
		2.0	100820.76	-35850.44			
		3.0	100820.76	64970.32			
		4.0	100820.76	165791.08			
1	1*****						
		.0	100724.36	-203919.92			
		1.0	100724.36	-103195.56			
		2.0	100724.36	-2471.20			
		3.0	100724.36	98253.15			
		4.0	100724.36	198977.51			
5	1*****						
		.0	96588.46	-174354.38			
		1.0	96588.46	-77765.92			
		2.0	96588.46	18822.54			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-3972.63	6403.39			
		2.0	-3972.63	2430.76			
		3.0	-3972.63	-1541.88			
		4.0	-3972.63	-5514.51			

	1-77807.45	.0	-4650.09	11714.61			
		1.0	-4650.09	7064.52			
		2.0	-4650.09	2414.44			
		3.0	-4650.09	-2235.65			
		4.0	-4650.09	-6885.74			
7	-----						
	1-72827.30	.0	-5456.43	13646.71			
		1.0	-5456.43	8190.28			
		2.0	-5456.43	2733.85			
		3.0	-5456.43	-2722.59			
		4.0	-5456.43	-8179.02			
1	-----						
	1-62193.25	.0	-6355.80	15835.66			
		1.0	-6355.80	9479.86			
		2.0	-6355.80	3124.06			
		3.0	-6355.80	-3231.74			
		4.0	-6355.80	-9587.54			
5	-----						
	1-45341.31	.0	-7303.78	18250.65			
		1.0	-7303.78	10946.87			
		2.0	-7303.78	3643.09			
		3.0	-7303.78	-3660.69			
		4.0	-7303.78	-10964.48			
19	-----						
	1-21533.79	.0	-10754.44	21067.28			
		1.0	-10754.44	10312.84			
		2.0	-10754.44	-441.59			
		3.0	-10754.44	-11196.03			
		4.0	-10754.44	-21950.46			
2	-----						
	1*****	.0	81362.87	-293262.47			
		1.0	81362.87	-211899.60			
		2.0	81362.87	-130536.73			
		3.0	81362.87	-49173.86			
		4.0	81362.87	32189.01			
6	-----						
	1*****	.0	85120.54	-205564.04			
		1.0	85120.54	-120443.50			
		2.0	85120.54	-35322.96			
		3.0	85120.54	49797.59			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		8.0	-10556.00	-12776.34			

1	-5769.03						
		.0	12386.26	-20626.95			
		2.0	8006.26	-234.43			
		4.0	-2253.74	11398.10			
		6.0	-6633.74	2510.62			
		8.0	-11013.74	-15136.85			

0							
	1-28409.38						
		.0	17906.79	-33202.11			
		3.0	11336.79	10663.25			
		6.0	-1113.21	23058.61			
		9.0	-13563.21	3983.96			
		12.0	-20133.21	-46560.68			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		2.0	6891.24	10524.73			
		4.0	-8448.76	17167.21			
		6.0	-15588.76	-6870.31			
		8.0	-22728.76	-45187.83			
3	1	70001.98					
		.0	13763.12	-9049.79			
		2.0	6623.12	11336.46			
		4.0	-8716.88	17442.71			
		6.0	-15856.88	-7131.04			
		8.0	-22996.88	-45984.79			
16	1	60567.38					
		.0	14298.14	-11408.39			
		2.0	7158.14	10047.89			
		4.0	-8181.86	17224.17			
		6.0	-15321.86	-6279.55			
		8.0	-22461.86	-44063.28			
79	1	51443.90					
		.0	14952.99	-13918.39			
		2.0	7812.99	8847.59			
		4.0	-7527.01	17333.57			
		6.0	-14667.01	-4860.46			
		8.0	-21807.01	-41334.48			
32	1	40653.29					
		.0	15712.89	-16902.84			
		2.0	8572.89	7382.93			
		4.0	-6767.11	17388.70			
		6.0	-13907.11	-3285.53			
		8.0	-21047.11	-38239.76			
35	1	28409.08					
		.0	16587.09	-20287.27			
		2.0	9447.09	5746.90			
		4.0	-5892.91	17501.07			
		6.0	-13032.91	-1424.75			
		8.0	-20172.91	-34630.58			
88	1	9262.03					
		.0	17804.05	-25011.20			
		2.0	10664.05	3456.90			
		4.0	-4675.95	17645.00			
		6.0	-11815.95	1153.10			
		8.0	-18955.95	-29618.80			
89	1	-57239.27					
		.0	12844.00	-21928.31			
		2.0	8464.00	-620.32			
		4.0	-1796.00	11927.67			
		6.0	-6176.00	3955.66			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	80703.28					
	.0	25985.38	-41644.15			
	3.0	15275.38	20247.01			
	6.0	-3634.62	33608.16			
	9.0	-22544.62	-1560.69			
	12.0	-33254.62	-85259.54			

5	67447.65					
	.0	26394.07	-44093.69			
	3.0	15684.07	19023.53			
	6.0	-3225.93	33610.74			
	9.0	-22135.93	-332.05			
	12.0	-32845.93	-82804.83			

78	55997.88					
	.0	26763.81	-46314.44			
	3.0	16053.81	17912.00			
	6.0	-2856.19	33608.44			
	9.0	-21766.19	774.88			
	12.0	-32476.19	-80588.68			

31	43831.43					
	.0	27188.94	-48844.25			
	3.0	16478.94	16657.58			
	6.0	-2431.06	33629.42			
	9.0	-21341.06	2071.25			
	12.0	-32051.06	-78016.92			

34	31046.82					
	.0	27648.06	-51602.07			
	3.0	16938.06	15277.12			
	6.0	-1971.94	33626.32			
	9.0	-20881.94	3445.51			
	12.0	-31591.94	-75265.30			

87	16294.86					
	.0	28157.73	-54523.37			
	3.0	17447.73	13884.81			
	6.0	-1462.27	33763.00			
	9.0	-20372.27	5111.18			
	12.0	-31082.27	-72070.64			

67	46595.31					
	.0	-3493.75	58104.72			
	2.0	-10633.75	43977.22			
	4.0	-25973.75	15569.71			
	6.0	-33113.75	-43517.79			
	8.0	-40253.75	-116885.30			

70	1102042.58					
	.0	14031.24	-10397.75			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		6.0	-14552.14	-3846.19			
		8.0	-21692.14	-40090.46			

1	4332.79						
		.0	15992.43	-17303.26			
		2.0	8852.43	7541.60			
		4.0	-6487.57	18106.47			
		6.0	-13627.57	-2008.66			
		8.0	-20767.57	-36403.80			

7							
1	-8773.20						
		.0	16799.10	-20584.44			
		2.0	9659.10	5873.76			
		4.0	-5680.90	18051.96			
		6.0	-12820.90	-449.84			
		8.0	-19960.90	-33231.64			

0							
1	-21956.68						
		.0	17653.60	-24045.19			
		2.0	10513.60	4122.01			
		4.0	-4826.40	18009.20			
		6.0	-11966.40	1216.40			
		8.0	-19106.40	-29856.40			

3							
1	-36139.73						
		.0	18594.08	-27845.52			
		2.0	11454.08	2202.65			
		4.0	-3885.92	17970.81			
		6.0	-11025.92	3058.98			
		8.0	-18165.92	-26132.86			

6							
1	-49216.80						
		.0	19597.49	-32012.83			
		2.0	12457.49	42.14			
		4.0	-2882.51	17817.11			
		6.0	-10022.51	4912.08			
		8.0	-17162.51	-22272.95			

6							
1	77875.83						
		.0	19046.77	-700.32			
		3.0	8336.77	40374.98			
		6.0	-10573.23	32920.28			
		9.0	-29483.23	-23064.42			
		12.0	-40193.23	-127579.12			

9							
1	91820.95						
		.0	26178.32	-42925.57			
		3.0	15468.32	19544.40			
		6.0	-3441.68	33484.36			
		9.0	-22351.68	-1105.67			
		12.0	-33061.68	-84225.70			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		.0	4279.43	68490.15		
		3.0	-4030.57	68863.44		
		6.0	-20540.57	27906.72		
		9.0	-37050.57	-54379.99		
		12.0	-45360.57	-177996.71		
5	1	-6669.21				
		.0	-24637.65	133669.96		
		2.0	-30177.65	78854.65		
		4.0	-43917.65	12959.34		
		6.0	-49457.65	-80415.97		
		8.0	-54997.65	-184871.28		
8	1	-3127.62				
		.0	-35507.98	176784.86		
		2.0	-41047.98	100228.90		
		4.0	-54787.98	12592.93		
		6.0	-60327.98	-102523.03		
		8.0	-65867.98	-228718.99		
31	1	-2919.41				
		.0	-35866.89	178173.62		
		2.0	-41406.89	100899.85		
		4.0	-55146.89	12546.07		
		6.0	-60686.89	-103287.71		
		8.0	-66226.89	-230201.49		
34	1	8377.90				
		.0	-29720.66	153541.38		
		2.0	-35260.66	88560.07		
		4.0	-49000.66	12498.76		
		6.0	-54540.66	-91042.56		
		8.0	-60080.66	-205663.87		
55	1	59205.28				
		.0	-141.82	47595.83		
		2.0	-7281.82	40172.19		
		4.0	-22621.82	18468.54		
		6.0	-29761.82	-33915.10		
		8.0	-36901.82	-100578.74		
68	1	27366.98				
		.0	15473.47	-15146.67		
		2.0	8333.47	8660.27		
		4.0	-7006.53	18187.21		
		6.0	-14146.53	-2965.84		
		8.0	-21286.53	-38398.90		
71	1	17816.05				
		.0	15067.86	-13593.36		
		2.0	7927.86	9402.36		
		4.0	-7412.14	18118.09		

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDDI 4.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	6846.63						
		.0	-25560.50	142257.96			
		2.0	-31100.50	85596.96			
		4.0	-44840.50	17855.96			
		6.0	-50380.50	-77365.04			
		8.0	-55920.50	-183666.04			

5	1	-3256.73					
		.0	-35531.76	182653.04			
		2.0	-41071.76	106049.51			
		4.0	-54811.76	18365.98			
		6.0	-60351.76	-96797.55			
		8.0	-65891.76	-223041.08			

9	1	-10450.73					
		.0	-35159.74	181173.49			
		2.0	-40699.74	105314.01			
		4.0	-54439.74	18374.53			
		6.0	-59979.74	-96044.94			
		8.0	-65519.74	-221544.42			

2	1	-4819.54					
		.0	-26492.98	145573.90			
		2.0	-32032.98	87047.93			
		4.0	-45772.98	17441.97			
		6.0	-51312.98	-79644.00			
		8.0	-56852.98	-187809.96			

4	1	3088.96					
		.0	6785.87	54087.02			
		3.0	-1524.13	61979.62			
		6.0	-18034.13	28542.23			
		9.0	-34544.13	-46225.16			
		12.0	-42854.13	-162322.55			

7	1	-3224.02					
		.0	1697.85	84539.68			
		3.0	-6612.15	77168.22			
		6.0	-23122.15	28466.77			
		9.0	-39632.15	-61564.69			
		12.0	-47942.15	-192926.14			

0	1	-7055.30					
		.0	1325.45	86776.30			
		3.0	-6984.55	78287.66			
		6.0	-23494.55	28469.02			
		9.0	-40004.55	-62679.62			
		12.0	-48314.55	-195158.26			

3	1	7048.38					

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ

1	89320.55						
		.0	66156.58	-273263.22			
		1.0	66156.58	-207106.64			
		2.0	66156.58	-140950.06			
		3.0	66156.58	-74793.48			
		4.0	66156.58	-8636.90			

1	63870.74						
		.0	55836.09	-150447.37			
		1.0	55836.09	-94611.28			
		2.0	55836.09	-38775.18			
		3.0	55836.09	17060.91			
		4.0	55836.09	72897.00			

1	28182.34						
		.0	51685.56	-110383.44			
		1.0	51685.56	-58697.88			
		2.0	51685.56	-7012.32			
		3.0	51685.56	44673.24			
		4.0	51685.56	96358.80			

1	-8446.69						
		.0	49241.58	-90725.03			
		1.0	49241.58	-41483.45			
		2.0	49241.58	7758.13			
		3.0	49241.58	56999.71			
		4.0	49241.58	106241.29			

1	-41772.00						
		.0	48900.42	-67541.88			
		1.0	48900.42	-18641.47			
		2.0	48900.42	30258.95			
		3.0	48900.42	79159.37			
		4.0	48900.42	128059.78			

1	-65651.13						
		.0	39495.94	-6998.02			
		1.0	39495.94	32497.92			
		2.0	39495.94	71993.85			
		3.0	39495.94	111489.79			
		4.0	39495.94	150985.72			

1	-64131.13						
		.0	-31429.82	110009.12			
		1.0	-31429.82	78579.31			
		2.0	-31429.82	47149.49			
		3.0	-31429.82	15719.67			
		4.0	-31429.82	-15710.15			

1	-82799.98						
		.0	-1733.52	2398.77			

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M E M B E R E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-1733.52	665.25			
		2.0	-1733.52	-1068.27			
		3.0	-1733.52	-2801.79			
		4.0	-1733.52	-4535.31			

	1-81952.42	.0	-4897.81	12679.43			
		1.0	-4897.81	7781.62			
		2.0	-4897.81	2883.81			
		3.0	-4897.81	-2014.01			
		4.0	-4897.81	-6911.82			
7	-----						
	1-76293.35	.0	-5639.64	14147.11			
		1.0	-5639.64	8507.47			
		2.0	-5639.64	2867.84			
		3.0	-5639.64	-2771.80			
		4.0	-5639.64	-8411.43			
1	-----						
	1-64685.39	.0	-6509.06	16175.09			
		1.0	-6509.06	9666.03			
		2.0	-6509.06	3156.97			
		3.0	-6509.06	-3352.09			
		4.0	-6509.06	-9861.15			
5	-----						
	1-46921.59	.0	-7437.12	18518.31			
		1.0	-7437.12	11081.19			
		2.0	-7437.12	3644.07			
		3.0	-7437.12	-3793.05			
		4.0	-7437.12	-11230.17			
9	-----						
	1-22267.87	.0	-10914.36	21300.79			
		1.0	-10914.36	10386.43			
		2.0	-10914.36	-527.93			
		3.0	-10914.36	-11442.28			
		4.0	-10914.36	-22356.64			
2	-----						
	1*****	.0	80933.52	-292264.53			
		1.0	80933.52	-211331.01			
		2.0	80933.52	-130397.48			
		3.0	80933.52	-49463.96			
		4.0	80933.52	31469.56			
6	-----						
	1*****	.0	84740.44	-205853.63			
		1.0	84740.44	-121113.19			
		2.0	84740.44	-36372.74			
		3.0	84740.44	48367.70			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
			84740.44	133108.14			

	1*****						
	.0		84667.19	-176156.25			
	1.0		84667.19	-91489.05			
	2.0		84667.19	-6821.86			
	3.0		84667.19	77845.33			
	4.0		84667.19	162512.53			
4	-----						
	1*****						
	.0		81888.51	-156418.49			
	1.0		81888.51	-74529.98			
	2.0		81888.51	7358.53			
	3.0		81888.51	89247.04			
	4.0		81888.51	171135.55			
8	-----						
	1*****						
	.0		77148.80	-128422.10			
	1.0		77148.80	-51273.30			
	2.0		77148.80	25875.50			
	3.0		77148.80	103024.29			
	4.0		77148.80	180173.09			
12	-----						
	1*****						
	.0		64365.37	-61480.36			
	1.0		64365.37	2885.01			
	2.0		64365.37	67250.38			
	3.0		64365.37	131615.74			
	4.0		64365.37	195981.11			
16	-----						
	1*****						
	.0		-29563.44	104955.26			
	1.0		-29563.44	75391.82			
	2.0		-29563.44	45828.38			
	3.0		-29563.44	16264.94			
	4.0		-29563.44	-13298.51			
20	-----						
	1*****						
	.0		1825.60	-5284.00			
	1.0		1825.60	-3458.40			
	2.0		1825.60	-1632.81			
	3.0		1825.60	192.79			
	4.0		1825.60	2018.39			
24	-----						
	1*****						
	.0		-2704.78	8236.87			
	1.0		-2704.78	5532.09			
	2.0		-2704.78	2827.31			
	3.0		-2704.78	122.54			
	4.0		-2704.78	-2582.24			
28	-----						
	1-79791.50						

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-3862.58	10316.23			
		1.0	-3862.58	6453.64			
		2.0	-3862.58	2591.06			
		3.0	-3862.58	-1271.52			
		4.0	-3862.58	-5134.10			

	1-55959.58						
		.0	-5398.95	13759.38			
		1.0	-5398.95	8360.44			
		2.0	-5398.95	2961.49			
		3.0	-5398.95	-2437.45			
		4.0	-5398.95	-7836.40			

	1-34838.99						
		.0	-7335.89	17590.15			
		1.0	-7335.89	10254.26			
		2.0	-7335.89	2918.36			
		3.0	-7335.89	-4417.53			
		4.0	-7335.89	-11753.42			

	1-14680.33						
		.0	-10201.07	20465.48			
		1.0	-10201.07	10264.41			
		2.0	-10201.07	63.34			
		3.0	-10201.07	-10137.73			
		4.0	-10201.07	-20338.80			

	1*****						
		.0	90635.35	-304751.21			
		1.0	90635.35	-214115.86			
		2.0	90635.35	-123480.52			
		3.0	90635.35	-32845.17			
		4.0	90635.35	57790.18			

	1*****						
		.0	100443.39	-237902.94			
		1.0	100443.39	-137459.56			
		2.0	100443.39	-37016.17			
		3.0	100443.39	63427.21			
		4.0	100443.39	163870.60			

	1*****						
		.0	100766.53	-208018.48			
		1.0	100766.53	-107251.95			
		2.0	100766.53	-6485.41			
		3.0	100766.53	94281.12			
		4.0	100766.53	195047.65			

	1*****						
		.0	98202.34	-189004.40			
		1.0	98202.34	-90802.06			
		2.0	98202.34	7400.28			

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M E E L E M E N T F O R C E S

1-3 PLANE SHEAR MOMENT AXIAL TORQ

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT
		3.0	98202.34	105602.61
		4.0	98202.34	203804.95

1*****

.0	92610.94	-163260.65
1.0	92610.94	-70649.70
2.0	92610.94	21961.24
3.0	92610.94	114572.18
4.0	92610.94	207183.13

3 1*****

.0	90255.68	-111699.70
1.0	90255.68	-21444.02
2.0	90255.68	68811.65
3.0	90255.68	159067.33
4.0	90255.68	249323.01

27 1*****

.0	-10599.61	70980.69
1.0	-10599.61	60381.08
2.0	-10599.61	49781.47
3.0	-10599.61	39181.86
4.0	-10599.61	28582.25

31 1*****

.0	21086.57	-43033.37
1.0	21086.57	-21946.80
2.0	21086.57	-860.23
3.0	21086.57	20226.34
4.0	21086.57	41312.91

35 1*****

.0	17129.01	-31455.99
1.0	17129.01	-14326.98
2.0	17129.01	2802.03
3.0	17129.01	19931.05
4.0	17129.01	37060.06

39 1*****

.0	16344.34	-30133.43
1.0	16344.34	-13789.09
2.0	16344.34	2555.25
3.0	16344.34	18899.59
4.0	16344.34	35243.93

43 1*****

.0	14701.95	-26461.30
1.0	14701.95	-11759.35
2.0	14701.95	2942.61
3.0	14701.95	17644.56
4.0	14701.95	32346.52

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-74879.10							
	.0		13526.67	-23138.06			
	1.0		13526.67	-9611.39			
	2.0		13526.67	3915.28			
	3.0		13526.67	17441.96			
	4.0		13526.67	30968.63			

1	1-26785.85						
	.0		10655.44	-16488.21			
	1.0		10655.44	-5832.76			
	2.0		10655.44	4822.68			
	3.0		10655.44	15478.12			
	4.0		10655.44	26133.56			

4	1*****						
	.0		73716.55	-283137.28			
	1.0		73716.55	-209420.73			
	2.0		73716.55	-135704.18			
	3.0		73716.55	-61987.63			
	4.0		73716.55	11728.91			

8	1*****						
	.0		66980.08	-172827.92			
	1.0		66980.08	-105847.84			
	2.0		66980.08	-38867.76			
	3.0		66980.08	28112.33			
	4.0		66980.08	95092.41			

12	1*****						
	.0		63996.71	-134768.61			
	1.0		63996.71	-70771.90			
	2.0		63996.71	-6775.18			
	3.0		63996.71	57221.53			
	4.0		63996.71	121218.24			

16	1*****						
	.0		61457.57	-115081.40			
	1.0		61457.57	-53623.82			
	2.0		61457.57	7833.75			
	3.0		61457.57	69291.32			
	4.0		61457.57	130748.89			

20	1*****						
	.0		58361.84	-94634.42			
	1.0		58361.84	-36272.58			
	2.0		58361.84	22089.27			
	3.0		58361.84	80451.11			
	4.0		58361.84	138812.96			

24	1*****						
	.0		65695.02	-58272.86			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		1.0	65695.02	7422.16		
		2.0	65695.02	73117.18		
		3.0	65695.02	138812.20		
		4.0	65695.02	204507.21		

1	1*****	.0	-17874.72	92607.90		
		1.0	-17874.72	74733.18		
		2.0	-17874.72	56858.46		
		3.0	-17874.72	38983.74		
		4.0	-17874.72	21109.03		

2	1*****	.0	11327.46	-22255.78		
		1.0	11327.46	-10928.33		
		2.0	11327.46	399.13		
		3.0	11327.46	11726.59		
		4.0	11327.46	23054.04		

6	1*****	.0	11257.20	-20620.17		
		1.0	11257.20	-9362.97		
		2.0	11257.20	1894.23		
		3.0	11257.20	13151.42		
		4.0	11257.20	24408.62		

0	1*****	.0	9993.74	-16933.26		
		1.0	9993.74	-6939.52		
		2.0	9993.74	3054.23		
		3.0	9993.74	13047.97		
		4.0	9993.74	23041.72		

14	1-70398.17	.0	9313.45	-15169.90		
		1.0	9313.45	-5856.45		
		2.0	9313.45	3457.01		
		3.0	9313.45	12770.46		
		4.0	9313.45	22083.92		

48	1-35743.97	.0	8542.51	-12498.70		
		1.0	8542.51	-3956.19		
		2.0	8542.51	4586.31		
		3.0	8542.51	13128.82		
		4.0	8542.51	21671.33		

52	1-10975.86	.0	5712.11	-7837.19		
		1.0	5712.11	-2125.08		
		2.0	5712.11	3587.02		
		3.0	5712.11	9299.13		

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
			5712.11	15011.23		

1	6878.49					
		.0	-25449.80	141810.47		
		2.0	-30989.80	85370.87		
		4.0	-44729.80	17851.26		
		6.0	-50269.80	-77148.34		
		8.0	-55809.80	-183227.94		

6	-2733.47					
		.0	-35688.40	183280.44		
		2.0	-41228.40	106363.63		
		4.0	-54968.40	18366.83		
		6.0	-60508.40	-97109.97		
		8.0	-66048.40	-223666.78		

9	-7882.02					
		.0	-36629.03	187083.83		
		2.0	-42169.03	108285.77		
		4.0	-55909.03	18407.70		
		6.0	-61449.03	-98950.36		
		8.0	-66989.03	-227388.43		

12	-13426.84					
		.0	-33325.31	173783.17		
		2.0	-38865.31	101592.56		
		4.0	-52605.31	18321.95		
		6.0	-58145.31	-92428.66		
		8.0	-63685.31	-214259.27		

15	-7805.52					
		.0	-23879.14	135057.81		
		2.0	-29419.14	81759.53		
		4.0	-43159.14	17381.25		
		6.0	-48699.14	-74477.02		
		8.0	-54239.14	-177415.30		

14	3071.57					
		.0	6784.61	54095.24		
		3.0	-1525.39	61984.09		
		6.0	-18035.39	28542.93		
		9.0	-34545.39	-46228.23		
		12.0	-42855.39	-162329.39		

17	-2660.22					
		.0	1518.88	85597.61		
		3.0	-6791.12	77689.24		
		6.0	-23301.12	28450.87		
		9.0	-39811.12	-62117.49		
		12.0	-48121.12	-194015.86		

10	-5103.34					

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT
		.0	536.07	91542.59		
		3.0	-7773.93	80685.80		
		6.0	-24283.93	28499.01		
		9.0	-40793.93	-65017.78		
		12.0	-49103.93	-199864.58		
3	1	-8687.12				
		.0	1577.77	85298.37		
		3.0	-6732.23	77566.68		
		6.0	-23242.23	28504.98		
		9.0	-39752.23	-61886.71		
		12.0	-48062.23	-193608.41		
56	1	4977.91				
		.0	4994.47	64238.15		
		3.0	-3315.53	66756.56		
		6.0	-19825.53	27944.98		
		9.0	-36335.53	-52196.61		
		12.0	-44645.53	-173668.19		
55	1	-6736.47				
		.0	-24560.07	133363.74		
		2.0	-30100.07	78703.59		
		4.0	-43840.07	12963.45		
		6.0	-49380.07	-80256.69		
		8.0	-54920.07	-184556.84		
58	1	-2983.37				
		.0	-35786.78	177873.21		
		2.0	-41326.78	100759.66		
		4.0	-55066.78	12566.10		
		6.0	-60606.78	-103107.46		
		8.0	-66146.78	-229861.02		
51	1	-2539.14				
		.0	-37380.89	184187.47		
		2.0	-42920.89	103885.69		
		4.0	-56660.89	12503.91		
		6.0	-62200.89	-106357.86		
		8.0	-67740.89	-236299.64		
54	1	-3095.73				
		.0	-34675.06	173457.19		
		2.0	-40215.06	98567.06		
		4.0	-53955.06	12596.94		
		6.0	-59495.06	-100853.19		
		8.0	-65035.06	-225383.32		
57	1	7333.17				
		.0	-27607.56	145214.64		
		2.0	-33147.56	84459.52		
		4.0	-46887.56	12624.41		

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ELEMENT FORCES

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		6.0	-52427.56	-86690.70		
		8.0	-57967.56	-197085.81		

3	1	50273.75				
		.0	1520.01	40976.60		
		2.0	-5619.99	36876.62		
		4.0	-20959.99	18496.63		
		6.0	-28099.99	-30563.36		
		8.0	-35239.99	-93903.34		

1	1	14252.94				
		.0	16265.73	-18289.80		
		2.0	9125.73	7101.66		
		4.0	-6214.27	18213.12		
		6.0	-13354.27	-1355.42		
		8.0	-20494.27	-35203.96		

74	1	3923.05				
		.0	15982.44	-17277.81		
		2.0	8842.44	7547.08		
		4.0	-6497.56	18091.97		
		6.0	-13637.56	-2043.14		
		8.0	-20777.56	-36458.25		

77	1	-9895.79				
		.0	16937.23	-21109.09		
		2.0	9797.23	5625.38		
		4.0	-5542.77	18079.84		
		6.0	-12682.77	-145.69		
		8.0	-19822.77	-32651.22		

30	1	-23616.90				
		.0	17798.48	-24613.47		
		2.0	10658.48	3843.49		
		4.0	-4681.52	18020.45		
		6.0	-11821.52	1517.41		
		8.0	-18961.52	-29265.63		

33	1	-37680.86				
		.0	18730.48	-28383.40		
		2.0	11590.48	1937.55		
		4.0	-3749.52	17978.50		
		6.0	-10889.52	3339.45		
		8.0	-18029.52	-25579.60		

36	1	-50599.18				
		.0	19722.92	-32508.94		
		2.0	12582.92	-203.09		
		4.0	-2757.08	17822.76		
		6.0	-9897.08	5168.61		
		8.0	-17037.08	-21765.54		

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ

1	74456.33					
		.0	19469.44	-3188.31		
		3.0	8759.44	39155.02		
		6.0	-10150.56	32968.35		
		9.0	-29060.56	-21748.33		
		12.0	-39770.56	-124995.00		

2	85663.06					
		.0	26296.35	-43584.21		
		3.0	15586.35	19239.85		
		6.0	-3323.65	33533.91		
		9.0	-22233.65	-702.04		
		12.0	-32943.65	-83467.98		

5	72747.06					
		.0	26204.83	-42924.52		
		3.0	15494.83	19624.96		
		6.0	-3415.17	33644.44		
		9.0	-22325.17	-866.09		
		12.0	-33035.17	-83906.61		

8	58194.18					
		.0	26676.34	-45757.23		
		3.0	15966.34	18206.80		
		6.0	-2943.66	33640.82		
		9.0	-21853.66	544.84		
		12.0	-32563.66	-81081.13		

11	45514.45					
		.0	27102.77	-48320.94		
		3.0	16392.77	16922.38		
		6.0	-2517.23	33635.70		
		9.0	-21427.23	1819.01		
		12.0	-32137.23	-78527.67		

34	32689.05					
		.0	27568.72	-51119.31		
		3.0	16858.72	15521.84		
		6.0	-2051.28	33632.99		
		9.0	-20961.28	3214.14		
		12.0	-31671.28	-75734.70		

37	17770.97					
		.0	28082.65	-54060.28		
		3.0	17372.65	14122.67		
		6.0	-1537.35	33775.62		
		9.0	-20447.35	4898.57		
		12.0	-31157.35	-72508.48		

70	42271.70					
		.0	-2170.87	52925.21		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		2.0	-9310.87	41443.46			
		4.0	-24650.87	15681.72			
		6.0	-31790.87	-40760.03			
		8.0	-38930.87	-111481.78			
5	1	92994.30					
		.0	14505.39	-12261.10			
		2.0	7365.39	9609.67			
		4.0	-7974.61	17200.45			
		6.0	-15114.61	-5888.77			
		8.0	-22254.61	-43258.00			
6	1	61197.89					
		.0	14357.82	-11400.58			
		2.0	7217.82	10175.07			
		4.0	-8122.18	17470.71			
		6.0	-15262.18	-5913.64			
		8.0	-22402.18	-43578.00			
9	1	50721.94					
		.0	14985.92	-14107.78			
		2.0	7845.92	8724.06			
		4.0	-7494.08	17275.89			
		6.0	-14634.08	-4852.27			
		8.0	-21774.08	-41260.44			
12	1	40561.68					
		.0	15736.29	-17002.17			
		2.0	8596.29	7330.40			
		4.0	-6743.71	17382.97			
		6.0	-13883.71	-3244.45			
		8.0	-21023.71	-38151.88			
15	1	28223.17					
		.0	16609.32	-20383.93			
		2.0	9469.32	5694.72			
		4.0	-5870.68	17493.37			
		6.0	-13010.68	-1387.99			
		8.0	-20150.68	-34549.34			
38	1	8856.77					
		.0	17833.19	-25135.38			
		2.0	10693.19	3390.99			
		4.0	-4646.81	17637.37			
		6.0	-11786.81	1203.74			
		8.0	-18926.81	-29509.88			
39	1	58633.20					
		.0	12950.43	-22332.06			
		2.0	8570.43	-811.21			
		4.0	-1689.57	11949.65			
		6.0	-6069.57	4190.50			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
	8.0		-10449.57	-12328.65			

1	-5712.11						
	.0		12424.14	-20804.38			
	2.0		8044.14	-336.09			
	4.0		-2215.86	11372.20			
	6.0		-6595.86	2560.48			
	8.0		-10975.86	-15011.23			

0	1-28054.71						
	.0		17836.99	-32758.77			
	3.0		11266.99	10897.21			
	6.0		-1183.01	23083.19			
	9.0		-13633.01	3799.18			
	12.0		-20203.01	-46954.84			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1102507.65							
	.0		65748.65	-271929.07			
	1.0		65748.65	-206180.42			
	2.0		65748.65	-140431.76			
	3.0		65748.65	-74683.11			
	4.0		65748.65	-8934.45			
5	-----						
1 77277.33							
	.0		55428.06	-149859.05			
	1.0		55428.06	-94430.99			
	2.0		55428.06	-39002.93			
	3.0		55428.06	16425.13			
	4.0		55428.06	71853.19			
9	-----						
1 41805.35							
	.0		51222.17	-110558.45			
	1.0		51222.17	-59336.28			
	2.0		51222.17	-8114.11			
	3.0		51222.17	43108.05			
	4.0		51222.17	94330.22			
.3	-----						
1 5118.26							
	.0		48269.50	-92987.99			
	1.0		48269.50	-44718.49			
	2.0		48269.50	3551.01			
	3.0		48269.50	51820.52			
	4.0		48269.50	100090.02			
.7	-----						
1-29487.09							
	.0		45536.57	-78850.53			
	1.0		45536.57	-33313.96			
	2.0		45536.57	12222.61			
	3.0		45536.57	57759.17			
	4.0		45536.57	103295.74			
21	-----						
1-59646.90							
	.0		44496.18	-57703.73			
	1.0		44496.18	-13207.55			
	2.0		44496.18	31288.63			
	3.0		44496.18	75784.81			
	4.0		44496.18	120280.99			
25	-----						
1-80203.02							
	.0		34609.81	-1391.02			
	1.0		34609.81	33218.79			
	2.0		34609.81	67828.60			
	3.0		34609.81	102438.42			
	4.0		34609.81	137048.23			
29	-----						
1-76749.43							
	.0		-29833.81	103789.14			

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	-29833.81	73955.33			
		2.0	-29833.81	44121.52			
		3.0	-29833.81	14287.71			
		4.0	-29833.81	-15546.10			
3	1-87993.21	.0	-3031.28	5963.68			
		1.0	-3031.28	2932.41			
		2.0	-3031.28	-98.87			
		3.0	-3031.28	-3130.15			
		4.0	-3031.28	-6161.42			
57	1-80682.73	.0	-5909.41	15106.13			
		1.0	-5909.41	9196.72			
		2.0	-5909.41	3287.30			
		3.0	-5909.41	-2622.11			
		4.0	-5909.41	-8531.53			
41	1-68110.11	.0	-6730.93	16746.78			
		1.0	-6730.93	10015.85			
		2.0	-6730.93	3284.93			
		3.0	-6730.93	-3446.00			
		4.0	-6730.93	-10176.93			
45	1-49113.63	.0	-7633.97	18936.34			
		1.0	-7633.97	11302.37			
		2.0	-7633.97	3668.40			
		3.0	-7633.97	-3965.57			
		4.0	-7633.97	-11599.54			
49	1-23289.24	.0	-11137.92	21627.86			
		1.0	-11137.92	10489.94			
		2.0	-11137.92	-647.98			
		3.0	-11137.92	-11785.90			
		4.0	-11137.92	-22923.81			
2	1*****	.0	80477.58	-290871.42			
		1.0	80477.58	-210393.84			
		2.0	80477.58	-129916.27			
		3.0	80477.58	-49438.69			
		4.0	80477.58	31038.88			
6	1*****	.0	84274.57	-205126.98			
		1.0	84274.57	-120852.41			
		2.0	84274.57	-36577.84			
		3.0	84274.57	47696.73			

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TOR	
COMB			SHEAR	MOMENT	SHEAR	MOMENT		
		4.0	84274.57	131971.31				

	1*****							
		.0	84270.98	-176441.22				
		1.0	84270.98	-92170.24				
		2.0	84270.98	-7899.26				
		3.0	84270.98	76371.71				
		4.0	84270.98	160642.69				
4	-----							
	1*****							
		.0	81456.83	-159598.86				
		1.0	81456.83	-78142.03				
		2.0	81456.83	3314.79				
		3.0	81456.83	84771.62				
		4.0	81456.83	166228.44				
18	-----							
	1*****							
		.0	77221.58	-142961.18				
		1.0	77221.58	-65739.60				
		2.0	77221.58	11481.99				
		3.0	77221.58	88703.57				
		4.0	77221.58	165925.15				
22	-----							
	1*****							
		.0	71408.99	-115782.25				
		1.0	71408.99	-44373.26				
		2.0	71408.99	27035.74				
		3.0	71408.99	98444.73				
		4.0	71408.99	169853.72				
26	-----							
	1*****							
		.0	57894.03	-52187.74				
		1.0	57894.03	5706.29				
		2.0	57894.03	63600.32				
		3.0	57894.03	121494.35				
		4.0	57894.03	179388.38				
30	-----							
	1*****							
		.0	-28382.37	99585.54				
		1.0	-28382.37	71203.17				
		2.0	-28382.37	42820.81				
		3.0	-28382.37	14438.44				
		4.0	-28382.37	-13943.93				
34	-----							
	1-97182.28							
		.0	325.16	-1548.89				
		1.0	325.16	-1223.74				
		2.0	325.16	-898.58				
		3.0	325.16	-573.43				
		4.0	325.16	-248.27				
38	-----							
	1-72583.80							

sa Statis Portal (13 lantai) Kg/m

NAME ELEMENT FORCES		1-2 PLANE		1-3 PLANE		AXIAL	
LOAD	AXIAL DIST		SHEAR	MOMENT	SHEAR	MOMENT	TORQ
COMB	FORCE ENDI						
	.0	-4141.68	11514.62				
	1.0	-4141.68	7372.94				
	2.0	-4141.68	3231.26				
	3.0	-4141.68	-910.42				
	4.0	-4141.68	-5052.11				
2	-----						
	1-50914.78						
	.0	-5431.53	13878.90				
	1.0	-5431.53	8447.37				
	2.0	-5431.53	3015.83				
	3.0	-5431.53	-2415.70				
	4.0	-5431.53	-7847.23				
46	-----						
	1-31868.95						
	.0	-7375.23	17661.05				
	1.0	-7375.23	10285.82				
	2.0	-7375.23	2910.59				
	3.0	-7375.23	-4464.64				
	4.0	-7375.23	-11839.87				
50	-----						
	1-13628.00						
	.0	-10196.81	20442.86				
	1.0	-10196.81	10246.05				
	2.0	-10196.81	49.24				
	3.0	-10196.81	-10147.57				
	4.0	-10196.81	-20344.38				
3	-----						
	1*****						
	.0	90200.26	-303385.59				
	1.0	90200.26	-213185.33				
	2.0	90200.26	-122985.06				
	3.0	90200.26	-32784.80				
	4.0	90200.26	57415.47				
7	-----						
	1*****						
	.0	100013.51	-237244.44				
	1.0	100013.51	-137230.93				
	2.0	100013.51	-37217.42				
	3.0	100013.51	62796.09				
	4.0	100013.51	162809.59				
11	-----						
	1*****						
	.0	100412.45	-208495.44				
	1.0	100412.45	-108082.99				
	2.0	100412.45	-7670.55				
	3.0	100412.45	92741.90				
	4.0	100412.45	193154.35				
15	-----						
	1*****						
	.0	98245.35	-192838.58				
	1.0	98245.35	-94593.23				
	2.0	98245.35	3652.12				

sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

LOAD COMB	AXIAL FORCE ENDI	DIST	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
	3.0		98245.35	101897.47			
	4.0		98245.35	200142.82			
) -----							
	1*****						
	.0		94178.21	-176836.77			
	1.0		94178.21	-82658.57			
	2.0		94178.21	11519.64			
	3.0		94178.21	105697.85			
	4.0		94178.21	199876.05			
3 -----							
	1*****						
	.0		87437.93	-151699.88			
	1.0		87437.93	-64261.95			
	2.0		87437.93	23175.99			
	3.0		87437.93	110613.92			
	4.0		87437.93	198051.85			
27 -----							
	1*****						
	.0		84124.92	-103009.17			
	1.0		84124.92	-18884.26			
	2.0		84124.92	65240.66			
	3.0		84124.92	149365.57			
	4.0		84124.92	233490.49			
51 -----							
	1*****						
	.0		-9213.37	65157.95			
	1.0		-9213.37	55944.58			
	2.0		-9213.37	46731.22			
	3.0		-9213.37	37517.85			
	4.0		-9213.37	28304.48			
55 -----							
	1*****						
	.0		19932.22	-40100.63			
	1.0		19932.22	-20168.41			
	2.0		19932.22	-236.19			
	3.0		19932.22	19696.02			
	4.0		19932.22	39628.24			
39 -----							
	1*****						
	.0		15986.03	-28798.86			
	1.0		15986.03	-12812.83			
	2.0		15986.03	3173.21			
	3.0		15986.03	19159.24			
	4.0		15986.03	35145.27			
43 -----							
	1*****						
	.0		14921.43	-27017.93			
	1.0		14921.43	-12096.50			
	2.0		14921.43	2824.93			
	3.0		14921.43	17746.36			
	4.0		14921.43	32667.79			

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

	1-76311.38						
	.0		13674.29	-23371.96			
	1.0		13674.29	-9697.67			
	2.0		13674.29	3976.62			
	3.0		13674.29	17650.90			
	4.0		13674.29	31325.19			
1	-----						
	1-27171.29						
	.0		10755.59	-16583.72			
	1.0		10755.59	-5828.13			
	2.0		10755.59	4927.47			
	3.0		10755.59	15683.06			
	4.0		10755.59	26438.66			
4	-----						
	1*****						
	.0		73333.50	-281836.17			
	1.0		73333.50	-208502.66			
	2.0		73333.50	-135169.16			
	3.0		73333.50	-61835.65			
	4.0		73333.50	11497.85			
8	-----						
	1*****						
	.0		66601.86	-172300.21			
	1.0		66601.86	-105698.34			
	2.0		66601.86	-39096.48			
	3.0		66601.86	27505.38			
	4.0		66601.86	94107.24			
12	-----						
	1*****						
	.0		63528.41	-135158.97			
	1.0		63528.41	-71630.56			
	2.0		63528.41	-8102.16			
	3.0		63528.41	55426.25			
	4.0		63528.41	118954.65			
16	-----						
	1*****						
	.0		61136.32	-118235.48			
	1.0		61136.32	-57099.16			
	2.0		61136.32	4037.16			
	3.0		61136.32	65173.48			
	4.0		61136.32	126309.81			
20	-----						
	1*****						
	.0		58402.65	-104573.89			
	1.0		58402.65	-46171.25			
	2.0		58402.65	12231.40			
	3.0		58402.65	70634.04			
	4.0		58402.65	129036.69			
24	-----						
	1*****						
	.0		54784.90	-86007.67			

sa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT
		1.0	54784.90	-31222.77		
		2.0	54784.90	23562.12		
		3.0	54784.90	78347.02		
		4.0	54784.90	133131.92		
8	-----					
	1*****					
		.0	60846.24	-52291.23		
		1.0	60846.24	8555.01		
		2.0	60846.24	69401.25		
		3.0	60846.24	130247.49		
		4.0	60846.24	191093.73		
32	-----					
	1*****					
		.0	-16303.63	85952.42		
		1.0	-16303.63	69648.79		
		2.0	-16303.63	53345.15		
		3.0	-16303.63	37041.52		
		4.0	-16303.63	20737.89		
36	-----					
	1*****					
		.0	10682.47	-20382.73		
		1.0	10682.47	-9700.27		
		2.0	10682.47	982.20		
		3.0	10682.47	11664.66		
		4.0	10682.47	22347.13		
40	-----					
	1*****					
		.0	10446.88	-18540.11		
		1.0	10446.88	-8093.24		
		2.0	10446.88	2353.64		
		3.0	10446.88	12800.51		
		4.0	10446.88	23247.39		
44	-----					
	1-69947.69					
		.0	9236.48	-14891.91		
		1.0	9236.48	-5655.42		
		2.0	9236.48	3581.06		
		3.0	9236.48	12817.55		
		4.0	9236.48	22054.03		
48	-----					
	1-35418.08					
		.0	8527.10	-12429.70		
		1.0	8527.10	-3902.60		
		2.0	8527.10	4624.51		
		3.0	8527.10	13151.61		
		4.0	8527.10	21678.72		
52	-----					
	1-10925.43					
		.0	5634.20	-7691.90		
		1.0	5634.20	-2057.71		
		2.0	5634.20	3576.49		
		3.0	5634.20	9210.69		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI 4.0	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
			5634.20	14844.88			

1	6878.60	.0	-25230.32	140924.59			
		2.0	-30770.32	84923.95			
		4.0	-44510.32	17843.31			
		6.0	-50050.32	-76717.34			
		8.0	-55590.32	-182357.98			

6	1	-2678.11	.0	-35471.98	182411.64		
			2.0	-41011.98	105927.69		
			4.0	-54751.98	18363.73		
			6.0	-60291.98	-96680.22		
			8.0	-65831.98	-222804.17		

39	1	-7373.33	.0	-36687.09	187318.21		
			2.0	-42227.09	108404.03		
			4.0	-55967.09	18409.84		
			6.0	-61507.09	-99064.34		
			8.0	-67047.09	-227618.53		

32	1	-11036.06	.0	-34605.35	178940.55		
			2.0	-40145.35	104189.85		
			4.0	-53885.35	18359.15		
			6.0	-59425.35	-94951.55		
			8.0	-64965.35	-219342.25		

35	1	-16170.61	.0	-30159.81	160999.47		
			2.0	-35699.81	95139.84		
			4.0	-49439.81	18200.21		
			6.0	-54979.81	-86219.42		
			8.0	-60519.81	-201719.05		

38	1	-10766.63	.0	-20556.12	121672.01		
			2.0	-26096.12	75019.77		
			4.0	-39836.12	17287.53		
			6.0	-45376.12	-67924.71		
			8.0	-50916.12	-164216.94		

54	1	3081.60	.0	6832.85	53807.88		
			3.0	-1477.15	61841.42		
			6.0	-17987.15	28544.96		
			9.0	-34497.15	-46081.50		
			12.0	-42807.15	-162037.96		

57	1	-2674.52					

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
		.0	1517.52	85608.36			
		3.0	-6792.48	77695.91			
		6.0	-23302.48	28453.46			
		9.0	-39812.48	-62118.99			
		12.0	-48122.48	-194021.43			

1	-4559.18	.0	353.86	92623.02			
		3.0	-7956.14	81219.60			
		6.0	-24466.14	28486.18			
		9.0	-40976.14	-65577.24			
		12.0	-49286.14	-200970.66			

3	-6800.82	.0	824.51	89847.37			
		3.0	-7485.49	79855.91			
		6.0	-23995.49	28534.44			
		9.0	-40505.49	-64117.02			
		12.0	-48815.49	-198098.49			

6	-10358.02	.0	2468.58	79988.35			
		3.0	-5841.42	74929.09			
		6.0	-22351.42	28539.83			
		9.0	-38861.42	-59179.43			
		12.0	-47171.42	-188228.69			

9	2748.33	.0	6070.52	57824.51			
		3.0	-2239.48	63571.07			
		6.0	-18749.48	27987.63			
		9.0	-35259.48	-48925.82			
		12.0	-43569.48	-167169.26			

15	-6731.64	.0	-24372.50	132621.95			
		2.0	-29912.50	78336.94			
		4.0	-43652.50	12971.94			
		6.0	-49192.50	-79873.06			
		8.0	-54732.50	-183798.06			

38	-3073.46	.0	-35638.73	177283.60			
		2.0	-41178.73	100466.15			
		4.0	-54918.73	12568.69			
		6.0	-60458.73	-102808.76			
		8.0	-65998.73	-229266.21			

31	-2392.08	.0	-37596.55	185022.28			
		2.0	-43136.55	104289.17			
		4.0	-56876.55	12476.07			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		6.0	-62416.55	-106817.03			
		8.0	-67956.55	-237190.14			

1	-2733.68						
		.0	-36040.60	178881.10			
		2.0	-41580.60	101259.90			
		4.0	-55320.60	12558.70			
		6.0	-60860.60	-103622.50			
		8.0	-66400.60	-230883.70			

7	-3617.75						
		.0	-32118.95	163347.25			
		2.0	-37658.95	93569.35			
		4.0	-51398.95	12711.44			
		6.0	-56938.95	-95626.46			
		8.0	-62478.95	-215044.36			

10	6061.34						
		.0	-24734.36	133891.76			
		2.0	-30274.36	78883.04			
		4.0	-44014.36	12794.31			
		6.0	-49554.36	-80774.42			
		8.0	-55094.36	-185423.14			

11	40347.62						
		.0	3453.60	33259.09			
		2.0	-3686.40	33026.28			
		4.0	-19026.40	18513.47			
		6.0	-26166.40	-26679.34			
		8.0	-33306.40	-86152.15			

14	321.93						
		.0	17113.65	-21660.28			
		2.0	9973.65	5427.03			
		4.0	-5366.35	18234.33			
		6.0	-12506.35	361.64			
		8.0	-19646.35	-31791.05			

17	-10965.82						
		.0	16982.17	-21305.98			
		2.0	9842.17	5518.37			
		4.0	-5497.83	18062.72			
		6.0	-12637.83	-72.94			
		8.0	-19777.83	-32488.59			

30	-25236.50						
		.0	17978.27	-25302.38			
		2.0	10838.27	3514.15			
		4.0	-4501.73	18050.69			
		6.0	-11641.73	1907.22			
		8.0	-18781.73	-28516.24			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

	1-39800.12					
	.0	18916.41	-29112.69			
	2.0	11776.41	1580.12			
	4.0	-3563.59	17992.94			
	6.0	-10703.59	3725.76			
	8.0	-17843.59	-24821.43			
6	-----					
	1-52564.76					
	.0	19897.84	-33201.07			
	2.0	12757.84	-545.38			
	4.0	-2582.16	17830.31			
	6.0	-9722.16	5526.00			
	8.0	-16862.16	-21058.31			
'2	-----					
	1 70014.56					
	.0	20050.46	-6620.46			
	3.0	9340.46	37465.92			
	6.0	-9569.54	33022.30			
	9.0	-28479.54	-19951.31			
	12.0	-39189.54	-121454.93			
'5	-----					
	1 78253.15					
	.0	26459.15	-44513.15			
	3.0	15749.15	18799.30			
	6.0	-3160.85	33581.76			
	9.0	-22070.85	-165.79			
	12.0	-32780.85	-82443.34			
'8	-----					
	1 63772.78					
	.0	26466.37	-44461.70			
	3.0	15756.37	18872.41			
	6.0	-3153.63	33676.52			
	9.0	-22063.63	-49.37			
	12.0	-32773.63	-82305.26			
31	-----					
	1 48206.47					
	.0	26990.11	-47612.42			
	3.0	16280.11	17292.90			
	6.0	-2629.89	33668.22			
	9.0	-21539.89	1513.54			
	12.0	-32249.89	-79171.15			
34	-----					
	1 34908.72					
	.0	27457.49	-50444.05			
	3.0	16747.49	15863.43			
	6.0	-2162.51	33640.91			
	9.0	-21072.51	2888.38			
	12.0	-31782.51	-76394.14			
37	-----					
	1 19800.82					
	.0	27978.70	-53418.77			

ASTA S.H. & YAZID, GONDOLAYU PROJECT

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

1-3 PLANE SHEAR MOMENT AXIAL TORQ

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	AXIAL TORQ
3	1	37388.06			
		.0	17268.70	14452.32	
		3.0	-1641.30	33793.42	
		6.0	-20551.30	4604.52	
		9.0	-31261.30	-73114.39	
		12.0			
76	1	82575.74			
		.0	-525.14	46481.06	
		2.0	-7665.14	38290.78	
		4.0	-23005.14	15820.51	
		6.0	-30145.14	-37329.76	
		8.0	-37285.14	-104760.03	
79	1	51316.66			
		.0	15052.40	-14409.72	
		2.0	7912.40	8555.08	
		4.0	-7427.60	17239.87	
		6.0	-14567.60	-4755.33	
		8.0	-21707.60	-41030.54	
82	1	39899.88			
		.0	15042.07	-14106.96	
		2.0	7902.07	8837.19	
		4.0	-7437.93	17501.34	
		6.0	-14577.93	-4514.51	
		8.0	-21717.93	-40810.36	
85	1	28087.88			
		.0	15768.76	-17189.58	
		2.0	8628.76	7207.94	
		4.0	-6711.24	17325.46	
		6.0	-13851.24	-3237.02	
		8.0	-20991.24	-38079.50	
88	1	8317.70			
		.0	16635.28	-20493.40	
		2.0	9495.28	5637.17	
		4.0	-5844.72	17487.73	
		6.0	-12984.72	-1341.71	
		8.0	-20124.72	-34451.15	
89	1	60602.66			
		.0	17870.05	-25293.43	
		2.0	10730.05	3306.67	
		4.0	-4609.95	17626.77	
		6.0	-11749.95	1266.86	
		8.0	-18889.95	-29373.04	

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A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	8.0	-10301.05	-11704.27			

'1	1	-5634.20				
	.0	12474.57	-21041.43			
	2.0	8094.57	-472.29			
	4.0	-2165.43	11336.85			
	6.0	-6545.43	2625.98			
	8.0	-10925.43	-14844.88			

90	1	-27600.40				
	.0	17740.58	-32145.49			
	3.0	11170.58	11221.25			
	6.0	-1279.42	23118.00			
	9.0	-13729.42	3544.75			
	12.0	-20299.42	-47498.50			

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ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
COMB			SHEAR	MOMENT	SHEAR	TORQ
	1115638.95	.0	65345.98	-270499.56		
		1.0	65345.98	-205153.58		
		2.0	65345.98	-139807.60		
		3.0	65345.98	-74461.62		
		4.0	65345.98	-9115.64		
5	1 90659.85	.0	55026.73	-149025.92		
		1.0	55026.73	-93999.19		
		2.0	55026.73	-38972.45		
		3.0	55026.73	16054.28		
		4.0	55026.73	71081.01		
9	1 55515.05	.0	50784.37	-110015.32		
		1.0	50784.37	-59230.95		
		2.0	50784.37	-8446.59		
		3.0	50784.37	42337.78		
		4.0	50784.37	93122.15		
13	1 19121.51	.0	47770.63	-93020.97		
		1.0	47770.63	-45250.34		
		2.0	47770.63	2520.28		
		3.0	47770.63	50290.91		
		4.0	47770.63	98061.53		
17	1-15441.33	.0	44546.40	-80712.42		
		1.0	44546.40	-36166.02		
		2.0	44546.40	8380.38		
		3.0	44546.40	52926.78		
		4.0	44546.40	97473.18		
21	1-46662.56	.0	41319.41	-67812.78		
		1.0	41319.41	-26493.37		
		2.0	41319.41	14826.04		
		3.0	41319.41	56145.45		
		4.0	41319.41	97464.86		
25	1-72842.09	.0	39444.20	-47446.22		
		1.0	39444.20	-8002.02		
		2.0	39444.20	31442.18		
		3.0	39444.20	70886.39		
		4.0	39444.20	110330.59		
29	1-89499.47	.0	29081.31	4374.40		

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
COMB			SHEAR	MOMENT	SHEAR	TORQ
		1.0	29081.31	33455.71		
		2.0	29081.31	62537.03		
		3.0	29081.31	91618.34		
		4.0	29081.31	120699.65		
3	1-83850.96	.0	-27904.91	96211.42		
		1.0	-27904.91	68306.50		
		2.0	-27904.91	40401.59		
		3.0	-27904.91	12496.68		
		4.0	-27904.91	-15408.23		
37	1-86864.31	.0	-4464.56	9812.07		
		1.0	-4464.56	5347.51		
		2.0	-4464.56	882.95		
		3.0	-4464.56	-3581.60		
		4.0	-4464.56	-8046.16		
41	1-72390.84	.0	-7033.85	17712.91		
		1.0	-7033.85	10679.06		
		2.0	-7033.85	3645.21		
		3.0	-7033.85	-3388.63		
		4.0	-7033.85	-10422.48		
45	1-52065.40	.0	-7910.43	19597.65		
		1.0	-7910.43	11687.22		
		2.0	-7910.43	3776.78		
		3.0	-7910.43	-4133.65		
		4.0	-7910.43	-12044.08		
49	1-24676.12	.0	-11453.16	22115.26		
		1.0	-11453.16	10662.10		
		2.0	-11453.16	-791.07		
		3.0	-11453.16	-12244.23		
		4.0	-11453.16	-23697.39		
2	1*****	.0	80017.32	-289370.65		
		1.0	80017.32	-209353.33		
		2.0	80017.32	-129336.02		
		3.0	80017.32	-49318.70		
		4.0	80017.32	30698.61		
6	1*****	.0	83782.03	-204098.34		
		1.0	83782.03	-120316.31		
		2.0	83782.03	-36534.28		
		3.0	83782.03	47247.75		

isa Statis Portal (13 lantai) Kg/m

AME ELEMENT FORCES

ELEM	LOAD	COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	AXIAL TORQ
					SHEAR	MOMENT		
7	1-78138.42							
			.0		13961.53	-23994.61		
			1.0		13961.53	-10033.08		
			2.0		13961.53	3928.45		
			3.0		13961.53	17889.98		
			4.0		13961.53	31851.52		
11	1-27654.76							
			.0		10888.22	-16693.79		
			1.0		10888.22	-5805.57		
			2.0		10888.22	5082.65		
			3.0		10888.22	15970.87		
			4.0		10888.22	26859.08		
4	1*****							
			.0		72955.74	-280445.68		
			1.0		72955.74	-207489.94		
			2.0		72955.74	-134534.19		
			3.0		72955.74	-61578.45		
			4.0		72955.74	11377.30		
8	1*****							
			.0		66254.42	-171551.08		
			1.0		66254.42	-105296.66		
			2.0		66254.42	-39042.24		
			3.0		66254.42	27212.18		
			4.0		66254.42	93466.60		
12	1*****							
			.0		63161.86	-134760.67		
			1.0		63161.86	-71598.81		
			2.0		63161.86	-8436.95		
			3.0		63161.86	54724.90		
			4.0		63161.86	117886.76		
16	1*****							
			.0		60679.43	-118565.96		
			1.0		60679.43	-57886.53		
			2.0		60679.43	2792.90		
			3.0		60679.43	63472.33		
			4.0		60679.43	124151.76		
20	1*****							
			.0		58096.34	-107385.23		
			1.0		58096.34	-49288.89		
			2.0		58096.34	8807.45		
			3.0		58096.34	66903.79		
			4.0		58096.34	125000.12		
24	1*****							
			.0		54819.24	-94857.48		

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD) COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		.0	-1367.40	2582.81		
		1.0	-1367.40	1215.42		
		2.0	-1367.40	-151.98		
		3.0	-1367.40	-1519.37		
		4.0	-1367.40	-2886.77		
2	1-44203.29	.0	-5710.13	15041.32		
		1.0	-5710.13	9331.19		
		2.0	-5710.13	3621.06		
		3.0	-5710.13	-2089.06		
		4.0	-5710.13	-7799.19		
46	1-27893.87	.0	-7434.52	17793.32		
		1.0	-7434.52	10358.80		
		2.0	-7434.52	2924.28		
		3.0	-7434.52	-4510.24		
		4.0	-7434.52	-11944.76		
50	1-12212.01	.0	-10198.90	20428.24		
		1.0	-10198.90	10229.34		
		2.0	-10198.90	30.45		
		3.0	-10198.90	-10168.45		
		4.0	-10198.90	-20367.34		
3	1*****	.0	89761.96	-301916.99		
		1.0	89761.96	-212155.03		
		2.0	89761.96	-122393.07		
		3.0	89761.96	-32631.11		
		4.0	89761.96	57130.85		
7	1*****	.0	99572.82	-236301.00		
		1.0	99572.82	-136728.18		
		2.0	99572.82	-37155.36		
		3.0	99572.82	62417.45		
		4.0	99572.82	161990.27		
11	1*****	.0	100008.29	-207989.50		
		1.0	100008.29	-107981.20		
		2.0	100008.29	-7972.91		
		3.0	100008.29	92035.38		
		4.0	100008.29	192043.68		
15	1*****	.0	97918.68	-193293.59		
		1.0	97918.68	-95374.91		
		2.0	97918.68	2543.77		

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

I LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		4.0	83782.03	131029.78		

	1*****	.0	83791.48	-175787.91		
		1.0	83791.48	-91996.43		
		2.0	83791.48	-8204.95		
		3.0	83791.48	75586.53		
		4.0	83791.48	159378.01		
4	-----					
	1*****	.0	81042.26	-159780.37		
		1.0	81042.26	-78738.11		
		2.0	81042.26	2304.16		
		3.0	81042.26	83346.42		
		4.0	81042.26	164388.68		
18	-----					
	1*****	.0	76771.08	-145728.18		
		1.0	76771.08	-68957.10		
		2.0	76771.08	7813.97		
		3.0	76771.08	84585.05		
		4.0	76771.08	161356.13		
22	-----					
	1*****	.0	71336.35	-128816.24		
		1.0	71336.35	-57479.89		
		2.0	71336.35	13856.47		
		3.0	71336.35	85192.82		
		4.0	71336.35	156529.17		
26	-----					
	1*****	.0	64559.76	-101714.01		
		1.0	64559.76	-37154.25		
		2.0	64559.76	27405.51		
		3.0	64559.76	91965.27		
		4.0	64559.76	156525.03		
30	-----					
	1*****	.0	50411.66	-41910.60		
		1.0	50411.66	8501.07		
		2.0	50411.66	58912.73		
		3.0	50411.66	109324.39		
		4.0	50411.66	159736.05		
34	-----					
	1-73457.22	.0	-26930.27	93011.26		
		1.0	-26930.27	66081.00		
		2.0	-26930.27	39150.73		
		3.0	-26930.27	12220.46		
		4.0	-26930.27	-14709.81		
38	-----					
	1-63604.29					

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		1.0	54819.24	-40038.24		
		2.0	54819.24	14781.00		
		3.0	54819.24	69600.24		
		4.0	54819.24	124419.48		

	1*****	.0	50581.35	-76902.25		
		1.0	50581.35	-26320.90		
		2.0	50581.35	24260.45		
		3.0	50581.35	74841.80		
		4.0	50581.35	125423.16		

	1*****	.0	55221.90	-45853.47		
		1.0	55221.90	9368.43		
		2.0	55221.90	64590.33		
		3.0	55221.90	119812.23		
		4.0	55221.90	175034.13		

	1*****	.0	-14416.21	77864.46		
		1.0	-14416.21	63448.25		
		2.0	-14416.21	49032.03		
		3.0	-14416.21	34615.82		
		4.0	-14416.21	20199.61		

	1*****	.0	9934.99	-18354.99		
		1.0	9934.99	-8420.00		
		2.0	9934.99	1514.99		
		3.0	9934.99	11449.98		
		4.0	9934.99	21384.98		

	1-69440.92	.0	9657.59	-16347.86		
		1.0	9657.59	-6690.27		
		2.0	9657.59	2967.32		
		3.0	9657.59	12624.91		
		4.0	9657.59	22282.50		

	1-35019.32	.0	8449.94	-12121.37		
		1.0	8449.94	-3671.43		
		2.0	8449.94	4778.51		
		3.0	8449.94	13228.46		
		4.0	8449.94	21678.40		

	1-10862.07	.0	5540.85	-7525.22		
		1.0	5540.85	-1984.37		
		2.0	5540.85	3556.49		
		3.0	5540.85	9097.34		

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		3.0	97918.68	100462.45			
		4.0	97918.68	198381.13			

	1*****						
		0.0	94216.18	-180313.66			
		1.0	94216.18	-86097.47			
		2.0	94216.18	8118.71			
		3.0	94216.18	102334.90			
		4.0	94216.18	196551.08			

13	1*****						
		0.0	88928.99	-163973.13			
		1.0	88928.99	-75044.13			
		2.0	88928.99	13884.86			
		3.0	88928.99	102813.85			
		4.0	88928.99	191742.85			

27	1*****						
		0.0	81147.69	-138651.54			
		1.0	81147.69	-57503.86			
		2.0	81147.69	23643.83			
		3.0	81147.69	104791.52			
		4.0	81147.69	185939.20			

51	1*****						
		0.0	76901.12	-93165.87			
		1.0	76901.12	-16264.75			
		2.0	76901.12	60636.38			
		3.0	76901.12	137537.50			
		4.0	76901.12	214438.63			

35	1*****						
		0.0	-7564.93	58101.62			
		1.0	-7564.93	50536.69			
		2.0	-7564.93	42971.76			
		3.0	-7564.93	35406.83			
		4.0	-7564.93	27841.90			

39	1*****						
		0.0	18613.72	-36834.07			
		1.0	18613.72	-18220.35			
		2.0	18613.72	393.37			
		3.0	18613.72	19007.10			
		4.0	18613.72	37620.82			

43	1*****						
		0.0	14646.88	-25904.86			
		1.0	14646.88	-11257.98			
		2.0	14646.88	3388.89			
		3.0	14646.88	18035.77			
		4.0	14646.88	32682.65			

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		8.0	-10098.83	-10855.43			

1	-5540.85						
		1.0	12537.93	-21341.60			
		2.0	8157.93	-645.75			
		4.0	-2102.07	11290.10			
		6.0	-6482.07	2705.96			
		8.0	-10862.07	-14638.19			

10	-27057.10						
		1.0	17612.16	-31327.03			
		3.0	11042.16	11654.46			
		6.0	-1407.84	23165.96			
		9.0	-13857.84	3207.45			
		12.0	-20427.84	-48221.05			

sa Statis Portal (13 lantai) Kg/m

M E M B E R E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		4.0	SHEAR	MOMENT	SHEAR	MOMENT	

1	6874.25		5540.85	14638.19			
		.0	-24979.10	139910.28			
		2.0	-30519.10	84412.08			
		4.0	-44259.10	17833.88			
		6.0	-49799.10	-76224.32			
		8.0	-55339.10	-181362.51			

6	1	-2647.64					
		.0	-35144.80	181096.33			
		2.0	-40684.80	105266.73			
		4.0	-54424.80	18357.12			
		6.0	-59964.80	-96032.49			
		8.0	-65504.80	-221502.10			

39	1	-7321.36					
		.0	-36393.54	186143.12			
		2.0	-41933.54	107816.05			
		4.0	-55673.54	18408.97			
		6.0	-61213.54	-98478.10			
		8.0	-66753.54	-226445.17			

32	1	-10556.78					
		.0	-34562.84	178773.96			
		2.0	-40102.84	104108.27			
		4.0	-53842.84	18362.59			
		6.0	-59382.84	-94863.09			
		8.0	-64922.84	-219168.77			

35	1	-13999.01					
		.0	-31221.23	165285.96			
		2.0	-36761.23	97303.50			
		4.0	-50501.23	18241.04			
		6.0	-56041.23	-88301.42			
		8.0	-61581.23	-205923.88			

68	1	-18795.79					
		.0	-26179.53	144911.08			
		2.0	-31719.53	87012.02			
		4.0	-45459.53	18032.97			
		6.0	-50999.53	-78426.09			
		8.0	-56539.53	-185965.14			

71	1	-13754.11					
		.0	-16657.37	105956.19			
		2.0	-22197.37	67101.44			
		4.0	-35937.37	17166.69			
		6.0	-41477.37	-60248.06			
		8.0	-47017.37	-148742.80			

54	1	3109.53					

Status Portal (13 lantai) kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	

	1-14622.96						
		.0	18037.76	-25337.23			
		2.0	10897.76	3598.29			
		4.0	-4442.24	18253.81			
		6.0	-11582.24	2229.33			
		8.0	-18722.24	-28075.16			
0	-----						
	1-27089.07						
		.0	18090.59	-25770.63			
		2.0	10950.59	3270.54			
		4.0	-4389.41	18031.71			
		6.0	-11529.41	2112.89			
		8.0	-18669.41	-28085.94			
13	-----						
	1-42049.60						
		.0	19150.47	-30015.37			
		2.0	12010.47	1145.58			
		4.0	-3329.53	18026.53			
		6.0	-10469.53	4227.48			
		8.0	-17609.53	-23851.57			
36	-----						
	1-55222.12						
		.0	20132.72	-34127.30			
		2.0	12992.72	-1001.86			
		4.0	-2347.28	17843.58			
		6.0	-9487.28	6009.02			
		8.0	-16627.28	-20105.54			
45	-----						
	1 64749.77						
		.0	20767.78	-10865.32			
		3.0	10057.78	35373.01			
		6.0	-8852.22	33081.35			
		9.0	-27762.22	-17740.32			
		12.0	-38472.22	-117091.98			
78	-----						
	1 69852.65						
		.0	26656.41	-45650.43			
		3.0	15946.41	18253.79			
		6.0	-2963.59	33628.02			
		9.0	-21873.59	472.24			
		12.0	-32583.59	-81213.54			
31	-----						
	1 54080.07						
		.0	26758.04	-46182.18			
		3.0	16048.04	18026.93			
		6.0	-2861.96	33706.04			
		9.0	-21771.96	855.15			
		12.0	-32481.96	-80525.74			
34	-----						
	1 38184.07						
		.0	27315.77	-49561.81			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		6.0	-48977.38	-79433.61		
		8.0	-54517.38	-182928.37		

1	-3092.56	.0	-35380.88	176259.75		
		2.0	-40920.88	99957.99		
		4.0	-54660.88	12576.24		
		6.0	-60200.88	-102285.52		
		8.0	-65740.88	-228227.27		

1	-2482.43	.0	-37412.34	184286.03		
		2.0	-42952.34	103921.34		
		4.0	-56692.34	12476.65		
		6.0	-62232.34	-106448.03		
		8.0	-67772.34	-236452.72		

4	-2583.09	.0	-36196.78	179477.22		
		2.0	-41736.78	101543.67		
		4.0	-55476.78	12530.12		
		6.0	-61016.78	-103963.43		
		8.0	-66556.78	-231536.99		

7	-3277.09	.0	-33313.88	168093.45		
		2.0	-38853.88	95925.69		
		4.0	-52593.88	12677.92		
		6.0	-58133.88	-98049.84		
		8.0	-63673.88	-219857.61		

0	-4237.89	.0	-28727.99	149942.21		
		2.0	-34267.99	86946.22		
		4.0	-48007.99	12870.24		
		6.0	-53547.99	-88685.75		
		8.0	-59087.99	-201321.74		

3	4640.55	.0	-21249.80	120161.75		
		2.0	-26789.80	72122.16		
		4.0	-40529.80	13002.56		
		6.0	-46069.80	-73597.03		
		8.0	-51609.80	-171276.63		

74	29424.23	.0	5648.50	24488.24		
		2.0	-1491.50	28645.24		
		4.0	-16831.50	18522.25		
		6.0	-23971.50	-22280.75		
		8.0	-31111.50	-77363.75		

isa Statis Portal (13 lantai) Kg/m

N A M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT
		3.0	16605.77	16320.51		
		6.0	-2304.23	33672.82		
		9.0	-21214.23	2495.14		
		12.0	-31924.23	-77212.55		
7			-----			
	1	22449.58				
		.0	27839.15	-52558.42		
		3.0	17129.15	14894.03		
		6.0	-1780.85	33816.49		
		9.0	-20690.85	4208.94		
		12.0	-31400.85	-73928.61		
76			-----			
	1	31947.70				
		.0	1416.25	38879.42		
		2.0	-5723.75	34571.92		
		4.0	-21063.75	15984.42		
		6.0	-28203.75	-33283.08		
		8.0	-35343.75	-96830.58		
79			-----			
	1	70782.58				
		.0	15677.93	-16866.76		
		2.0	8537.93	7349.10		
		4.0	-6802.07	17284.96		
		6.0	-13942.07	-3459.17		
		8.0	-21082.07	-38483.31		
82			-----			
	1	40467.87				
		.0	15819.30	-17191.52		
		2.0	8679.30	7307.07		
		4.0	-6660.70	17525.67		
		6.0	-13800.70	-2935.74		
		8.0	-20940.70	-37677.15		
85			-----			
	1	27439.94				
		.0	16668.32	-20678.10		
		2.0	9528.32	5518.55		
		4.0	-5811.68	17435.19		
		6.0	-12951.68	-1328.16		
		8.0	-20091.68	-34371.51		
88			-----			
	1	7718.94				
		.0	17913.75	-25477.37		
		2.0	10773.75	3210.12		
		4.0	-4566.25	17617.62		
		6.0	-11706.25	1345.12		
		8.0	-18846.25	-29207.39		
89			-----			
	1	-63309.74				
		.0	13301.17	-23664.81		
		2.0	8921.17	-1442.47		
		4.0	-1338.83	12019.88		
		6.0	-5718.83	4962.22		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		.0	6895.37	53434.44			
		3.0	-1414.63	61655.54			
		6.0	-17924.63	28546.64			
		9.0	-34434.63	-45892.25			
		12.0	-42744.63	-161661.15			

1	-2657.09						
		.0	1567.03	85315.60			
		3.0	-6742.97	77551.69			
		6.0	-23252.97	28457.79			
		9.0	-39762.97	-61966.12			
		12.0	-48072.97	-193720.02			

0	-4572.04						
		.0	339.63	92713.21			
		3.0	-7970.37	81267.10			
		6.0	-24480.37	28490.99			
		9.0	-40990.37	-65615.13			
		12.0	-49300.37	-201051.24			

3	-6285.59						
		.0	639.53	90948.09			
		3.0	-7670.47	80401.68			
		6.0	-24180.47	28525.27			
		9.0	-40690.47	-64681.15			
		12.0	-49000.47	-199217.56			

6	-8564.28						
		.0	1763.40	84248.48			
		3.0	-6546.60	77073.67			
		6.0	-23056.60	28568.86			
		9.0	-39566.60	-61265.95			
		12.0	-47876.60	-192430.76			

9	-12019.20						
		.0	3759.15	72278.03			
		3.0	-4550.85	71090.48			
		6.0	-21060.85	28572.93			
		9.0	-37570.85	-55274.63			
		12.0	-45880.85	-180452.18			

2	393.98						
		.0	7433.65	49692.82			
		3.0	-876.35	59528.79			
		6.0	-17386.35	28034.75			
		9.0	-33896.35	-44789.29			
		12.0	-42206.35	-158943.32			

55	-6701.32						
		.0	-24157.38	131770.70			
		2.0	-29697.38	77915.93			
		4.0	-43437.38	12981.16			

sa Statis Portal (13 lantai) Kg/m

M E M B E R F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDJ	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	-12196.15	87965.84			
		2.0	-17736.15	58033.53			
		4.0	-31476.15	17021.22			
		6.0	-37016.15	-51471.09			
		8.0	-42556.15	-131043.39			

1	3138.53						
		.0	6962.17	53035.44			
		3.0	-1347.83	61456.95			
		6.0	-17857.83	28548.46			
		9.0	-34367.83	-45690.03			
		12.0	-42677.83	-161258.53			
7							

1	2622.47						
		.0	1631.30	84934.26			
		3.0	-6678.70	77363.15			
		6.0	-23188.70	28462.04			
		9.0	-39698.70	-61769.08			
		12.0	-48008.70	-193330.19			
0							

1	4556.42						
		.0	372.79	92521.03			
		3.0	-7937.21	81174.42			
		6.0	-24447.21	28497.80			
		9.0	-40957.21	-65508.81			
		12.0	-49267.21	-200845.43			
3							

1	6297.41						
		.0	608.69	91140.61			
		3.0	-7701.31	80501.69			
		6.0	-24211.31	28532.77			
		9.0	-40721.31	-64766.15			
		12.0	-49031.31	-199395.07			
6							

1	8084.38						
		.0	1577.96	85356.35			
		3.0	-6732.04	77625.24			
		6.0	-23242.04	28564.13			
		9.0	-39752.04	-61826.98			
		12.0	-48062.04	-193548.09			
9							

1	10340.34						
		.0	3113.11	76183.18			
		3.0	-5196.89	73057.52			
		6.0	-21706.89	28601.86			
		9.0	-38216.89	-57183.80			
		12.0	-46526.89	-184299.46			
12							

1	13663.72						
		.0	5372.68	62630.07			
		3.0	-2937.32	66283.10			
		6.0	-19447.32	28606.13			

sa Statis Portal (15 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		4.0	SHEAR	MOMENT	SHEAR	MOMENT	

1	6864.65	.0	5372.67	14380.85			
		2.0	-24717.85	138855.51			
		4.0	-30257.85	83879.81			
		6.0	-43997.85	17824.11			
		8.0	-49537.85	-75711.59			
			-55077.85	-180327.29			

1	-2622.00	.0					
		2.0	-34782.83	179640.23			
		4.0	-40322.83	104534.58			
		6.0	-54062.83	18348.93			
		8.0	-59602.83	-95316.72			
			-65142.83	-220062.37			

1	-7292.27	.0					
		2.0	-35993.27	184537.86			
		4.0	-41533.27	107011.33			
		6.0	-55273.27	18404.80			
		8.0	-60813.27	-97681.74			
			-66353.27	-224848.27			

1	-10516.30	.0					
		2.0	-34193.19	177296.96			
		4.0	-39733.19	103370.57			
		6.0	-53473.19	18364.19			
		8.0	-59013.19	-94122.20			
			-64553.19	-217688.59			

1	-13558.32	.0					
		2.0	-31063.38	164659.18			
		4.0	-36603.38	96992.43			
		6.0	-50343.38	18245.68			
		8.0	-55883.38	-87981.07			
			-61423.38	-205287.83			

1	-16880.96	.0					
		2.0	-26985.02	148177.31			
		4.0	-32525.02	88667.27			
		6.0	-46265.02	18077.24			
		8.0	-51805.02	-79992.79			
			-57345.02	-189142.82			

1	-21366.89	.0					
		2.0	-21514.96	126046.67			
		4.0	-27054.96	77476.75			
		6.0	-40794.96	17826.82			
		8.0	-46334.96	-69303.10			
			-51874.96	-167513.03			

1	-16774.27	.0					

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	54527.00	-42731.57			
		2.0	54527.00	11795.42			
		3.0	54527.00	66322.42			
		4.0	54527.00	120849.42			

		1.0	50604.71	-84496.67			
		1.0	50604.71	-33891.96			
		2.0	50604.71	16712.75			
		3.0	50604.71	67317.47			
		4.0	50604.71	117922.18			

		1.0	45714.19	-66891.94			
		1.0	45714.19	-21177.75			
		2.0	45714.19	24536.44			
		3.0	45714.19	70250.64			
		4.0	45714.19	115964.83			

		1.0	48809.63	-38835.45			
		1.0	48809.63	9974.18			
		2.0	48809.63	58783.82			
		3.0	48809.63	107593.45			
		4.0	48809.63	156403.09			

		1.0	-12242.04	68398.58			
		1.0	-12242.04	56156.54			
		2.0	-12242.04	43914.50			
		3.0	-12242.04	31672.46			
		4.0	-12242.04	19430.42			

		1.0	9233.86	-16232.65			
		1.0	9233.86	-6998.80			
		2.0	9233.86	2235.06			
		3.0	9233.86	11468.92			
		4.0	9233.86	20702.77			

		1.0	8817.26	-13338.84			
		1.0	8817.26	-4521.58			
		2.0	8817.26	4295.68			
		3.0	8817.26	13112.93			
		4.0	8817.26	21930.19			

		1.0	5372.67	-7109.83			
		1.0	5372.67	-1737.16			
		2.0	5372.67	3635.51			
		3.0	5372.67	9008.18			

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-80502.53							
		.0	13837.02	-23162.46			
		1.0	13837.02	-9325.43			
		2.0	13837.02	4511.59			
		3.0	13837.02	18348.61			
		4.0	13837.02	32185.64			

1-28222.46							
		.0	11137.35	-17105.77			
		1.0	11137.35	-5968.42			
		2.0	11137.35	5168.93			
		3.0	11137.35	16306.28			
		4.0	11137.35	27443.63			

1*****							
		.0	72580.24	-279028.57			
		1.0	72580.24	-206448.33			
		2.0	72580.24	-133868.09			
		3.0	72580.24	-61287.84			
		4.0	72580.24	11292.40			

1*****							
		.0	65913.68	-170740.32			
		1.0	65913.68	-104826.64			
		2.0	65913.68	-38912.95			
		3.0	65913.68	27000.73			
		4.0	65913.68	92914.42			

1*****							
		.0	62825.38	-134167.56			
		1.0	62825.38	-71342.18			
		2.0	62825.38	-8516.80			
		3.0	62825.38	54308.58			
		4.0	62825.38	117133.95			

1*****							
		.0	60317.77	-118175.53			
		1.0	60317.77	-57857.77			
		2.0	60317.77	2460.00			
		3.0	60317.77	62777.77			
		4.0	60317.77	123095.54			

1*****							
		.0	57649.78	-107603.71			
		1.0	57649.78	-49953.93			
		2.0	57649.78	7695.85			
		3.0	57649.78	65345.63			
		4.0	57649.78	122995.40			

1*****							
		.0	54527.00	-97258.57			

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A M E E L E M E N T F O R C E S

E L E M E N T	I T E M	D I S T	1-2 PLANE		1-3 PLANE		A X I A L
			S H E A R	M O M E N T	S H E A R	M O M E N T	
2	1-35937.94	.0	-25225.78	85281.63			
		1.0	-25225.78	60055.85			
		2.0	-25225.78	34830.07			
		3.0	-25225.78	9604.29			
		4.0	-25225.78	-15621.49			
16	1-22704.11	.0	-3241.56	7121.11			
		1.0	-3241.56	3879.55			
		2.0	-3241.56	637.99			
		3.0	-3241.56	-2603.57			
		4.0	-3241.56	-5845.13			
50	1-10371.56	.0	-10210.79	20437.36			
		1.0	-10210.79	10226.57			
		2.0	-10210.79	15.78			
		3.0	-10210.79	-10195.00			
		4.0	-10210.79	-20405.79			
3	1*****	.0	89323.24	-300417.92			
		1.0	89323.24	-211094.69			
		2.0	89323.24	-121771.45			
		3.0	89323.24	-32448.21			
		4.0	89323.24	56875.02			
7	1*****	.0	99128.33	-235277.64			
		1.0	99128.33	-136149.32			
		2.0	99128.33	-37020.99			
		3.0	99128.33	62107.34			
		4.0	99128.33	161235.66			
11	1*****	.0	99594.16	-207225.89			
		1.0	99594.16	-107631.73			
		2.0	99594.16	-8037.57			
		3.0	99594.16	91556.60			
		4.0	99594.16	191150.76			
15	1*****	.0	97545.35	-192847.85			
		1.0	97545.35	-95302.50			
		2.0	97545.35	2242.86			

sa Statis Portal (13 lantai) Kg/m

NAME ELEMENT FORCE S

LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL	
COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ	
		3.0	97545.35	99788.21				
		4.0	97545.35	197333.56				
9	-----							
	1*****							
		0.0	93915.93	-180697.65				
		1.0	93915.93	-86781.72				
		2.0	93915.93	7134.21				
		3.0	93915.93	101050.14				
		4.0	93915.93	194966.07				
3	-----							
	1*****							
		0.0	88954.33	-167013.94				
		1.0	88954.33	-78059.61				
		2.0	88954.33	10894.72				
		3.0	88954.33	99849.05				
		4.0	88954.33	188803.38				
27	-----							
	1*****							
		0.0	82536.27	-149406.70				
		1.0	82536.27	-66870.43				
		2.0	82536.27	15665.84				
		3.0	82536.27	98202.11				
		4.0	82536.27	180738.38				
31	-----							
	1*****							
		0.0	73763.06	-123827.42				
		1.0	73763.06	-50064.35				
		2.0	73763.06	23698.71				
		3.0	73763.06	97461.78				
		4.0	73763.06	171224.84				
35	-----							
	1*****							
		0.0	68604.94	-82116.79				
		1.0	68604.94	-13511.85				
		2.0	68604.94	55093.09				
		3.0	68604.94	123698.02				
		4.0	68604.94	192302.96				
39	-----							
	1*****							
		0.0	-5643.66	49826.48				
		1.0	-5643.66	44182.82				
		2.0	-5643.66	38539.15				
		3.0	-5643.66	32895.49				
		4.0	-5643.66	27251.83				
43	-----							
	1*****							
		0.0	17069.49	-33239.38				
		1.0	17069.49	-16169.89				
		2.0	17069.49	899.60				
		3.0	17069.49	17969.09				
		4.0	17069.49	35038.58				

sa Statis Portal (13 lantai) Kg/m

E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	33688.46	-2598.16			
		2.0	33688.46	31090.30			
		3.0	33688.46	64778.75			
		4.0	33688.46	98467.21			
5	1-92631.10						
		.0	22854.73	10501.37			
		1.0	22854.73	33356.09			
		2.0	22854.73	56210.82			
		3.0	22854.73	79065.55			
		4.0	22854.73	101920.28			
17	1-84505.15						
		.0	-25665.98	87336.83			
		1.0	-25665.98	61670.84			
		2.0	-25665.98	36004.86			
		3.0	-25665.98	10338.87			
		4.0	-25665.98	-15327.11			
41	1-78293.49						
		.0	-6073.58	14032.61			
		1.0	-6073.58	7959.03			
		2.0	-6073.58	1885.45			
		3.0	-6073.58	-4188.13			
		4.0	-6073.58	-10261.71			
15	1-55715.85						
		.0	-8268.10	20592.85			
		1.0	-8268.10	12324.75			
		2.0	-8268.10	4056.64			
		3.0	-8268.10	-4211.46			
		4.0	-8268.10	-12479.56			
19	1-26518.27						
		.0	-11893.35	22857.98			
		1.0	-11893.35	10964.63			
		2.0	-11893.35	-928.72			
		3.0	-11893.35	-12822.07			
		4.0	-11893.35	-24715.42			
2	1*****						
		.0	79555.16	-287837.41			
		1.0	79555.16	-208282.24			
		2.0	79555.16	-128727.08			
		3.0	79555.16	-49171.91			
		4.0	79555.16	30383.25			
6	1*****						
		.0	83281.27	-202979.49			
		1.0	83281.27	-119698.21			
		2.0	83281.27	-36416.94			
		3.0	83281.27	46864.34			

sa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
COMB			SHEAR	MOMENT	SHEAR	TORQ
		4.0	83281.27	130145.61		
) -----						
	1*****					
		.0	83281.74	-174851.02		
		1.0	83281.74	-91569.28		
		2.0	83281.74	-8287.54		
		3.0	83281.74	74994.20		
		4.0	83281.74	158275.94		
4) -----					
	1*****					
		.0	80545.89	-159093.36		
		1.0	80545.89	-78547.47		
		2.0	80545.89	1998.43		
		3.0	80545.89	82544.32		
		4.0	80545.89	163090.22		
8) -----					
	1*****					
		.0	76327.00	-145738.98		
		1.0	76327.00	-69411.98		
		2.0	76327.00	6915.02		
		3.0	76327.00	83242.02		
		4.0	76327.00	159569.03		
12) -----					
	1*****					
		.0	70853.07	-131075.15		
		1.0	70853.07	-60222.08		
		2.0	70853.07	10630.98		
		3.0	70853.07	81484.05		
		4.0	70853.07	152337.11		
16) -----					
	1*****					
		.0	64312.45	-112988.89		
		1.0	64312.45	-48676.44		
		2.0	64312.45	15636.01		
		3.0	64312.45	79948.45		
		4.0	64312.45	144260.90		
20) -----					
	1*****					
		.0	56609.28	-85882.19		
		1.0	56609.28	-29272.91		
		2.0	56609.28	27336.38		
		3.0	56609.28	83945.66		
		4.0	56609.28	140554.94		
24) -----					
	1*****					
		.0	41897.70	-30507.76		
		1.0	41897.70	11389.94		
		2.0	41897.70	53287.64		
		3.0	41897.70	95185.35		
		4.0	41897.70	137083.05		
28) -----					
	1-41470.52					

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR MOMENT		1-3 PLANE SHEAR MOMENT	AXIA TOR
1	1128815.55	.0	64944.36	-269041.84	
		1.0	64944.36	-204097.48	
		2.0	64944.36	-139153.12	
		3.0	64944.36	-74208.76	
		4.0	64944.36	9264.40	
5	1104097.69	.0	54628.71	-148119.92	
		1.0	54628.71	-93491.21	
		2.0	54628.71	-38862.49	
		3.0	54628.71	15766.22	
		4.0	54628.71	70394.93	
9	1 69314.87	.0	50348.72	-109245.30	
		1.0	50348.72	-58896.58	
		2.0	50348.72	-8547.87	
		3.0	50348.72	41800.85	
		4.0	50348.72	92149.56	
13	1 33321.60	.0	47287.98	-92388.30	
		1.0	47287.98	-45100.32	
		2.0	47287.98	2187.67	
		3.0	47287.98	49475.65	
		4.0	47287.98	96763.64	
17	1 -871.59	.0	44000.29	-80533.33	
		1.0	44000.29	-36533.04	
		2.0	44000.29	7467.25	
		3.0	44000.29	51467.54	
		4.0	44000.29	95467.83	
21	1-31934.97	.0	40303.61	-69191.35	
		1.0	40303.61	-28887.74	
		2.0	40303.61	11415.86	
		3.0	40303.61	51719.47	
		4.0	40303.61	92023.08	
25	1-58919.98	.0	36478.57	-56154.23	
		1.0	36478.57	-19675.66	
		2.0	36478.57	16802.91	
		3.0	36478.57	53281.48	
		4.0	36478.57	89760.05	
29	1-80434.95	.0	33688.46	-36286.62	

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A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIA TOR
		SHEAR	MOMENT	SHEAR	MOMENT	
1	8.0	-9831.55	-9729.24			

1	-5372.67					
	.0	12615.58	-21705.50			
	2.0	8235.58	-854.34			
	4.0	-2024.42	11236.83			
	6.0	-6404.42	2807.99			
	8.0	-10784.42	-14380.85			
10						

1	-26496.88					
	.0	17443.10	-30248.76			
	3.0	10873.10	12225.54			
	6.0	-1576.90	23229.84			
	9.0	-14026.90	2764.13			
	12.0	-20596.90	-49171.57			

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A M E E L E M E N T F O R C E S

T LOAD O COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE SHEAR	MOMENT	AXIAL TOP
		SHEAR	MOMENT			
	3.0	16163.37	17649.54			
	6.0	-2746.63	33674.65			
	9.0	-21656.63	1169.75			
	12.0	32366.63	-79865.15			
4	-----					
	1	44456.48				
	.0	27056.48	-47966.80			
	3.0	16346.48	17137.64			
	6.0	-2563.52	33712.08			
	9.0	21473.52	1756.51			
	12.0	-32183.52	-78729.05			
37	-----					
	1	26178.01				
	.0	27663.12	-51452.80			
	3.0	16953.12	15471.56			
	6.0	-1956.88	33865.92			
	9.0	-20866.88	3730.28			
	12.0	-31576.88	-74935.36			
79	-----					
	1	25913.18				
	.0	3648.59	30137.73			
	2.0	-3491.41	30294.91			
	4.0	-18831.41	16172.09			
	6.0	-25971.41	-28630.73			
	8.0	-33111.41	-87713.56			
82	-----					
	1	57756.27				
	.0	16385.50	-19656.37			
	2.0	9245.50	5974.64			
	4.0	-6094.50	17325.64			
	6.0	-13234.50	-2003.35			
	8.0	-20374.50	-35612.34			
85	-----					
	1	27907.36				
	.0	16713.64	-20682.33			
	2.0	9573.64	5604.95			
	4.0	-5766.36	17612.24			
	6.0	-12906.36	-1060.48			
	8.0	-20046.36	-34013.20			
88	-----					
	1	6542.28				
	.0	17967.30	-25743.31			
	2.0	10827.30	3051.30			
	4.0	-4512.70	17565.90			
	6.0	-11652.70	1400.50			
	8.0	-18792.70	-29044.89			
89	-----					
	1	66945.47				
	.0	13568.45	-24676.81			
	2.0	9188.45	-1919.91			
	4.0	-1071.55	12076.98			
	6.0	-5451.55	5553.87			

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A M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TOP
3	1	-4890.52					
		.0	-24650.26	133828.00			
		2.0	-30190.26	78987.47			
		4.0	-43930.26	13066.94			
		6.0	-49470.26	-80333.59			
		8.0	-55010.26	-184814.12			
6	1	3095.44					
		.0	-17191.75	104173.71			
		2.0	-22731.75	64250.21			
		4.0	-36471.75	13246.72			
		6.0	-42011.75	-65236.78			
		8.0	-47551.75	-154800.28			
77	1	17461.71					
		.0	8125.95	14583.45			
		2.0	985.95	23695.35			
		4.0	-14354.05	18527.24			
		6.0	-21494.05	-17320.87			
		8.0	-28634.05	-67448.97			
90	1	-30892.36					
		.0	19068.61	-29439.31			
		2.0	11928.61	1557.91			
		4.0	-3411.39	18275.13			
		6.0	-10551.39	4312.35			
		8.0	-17691.39	-23930.43			
33	1	-44894.25					
		.0	19350.91	-30836.23			
		2.0	12210.91	725.59			
		4.0	-3129.09	18007.42			
		6.0	-10269.09	4609.25			
		8.0	-17409.09	-23068.92			
36	1	-58226.03					
		.0	20433.47	-35299.58			
		2.0	13293.47	-1572.65			
		4.0	-2046.53	17874.28			
		6.0	-9186.53	6641.22			
		8.0	-16326.53	-18871.85			
78	1	58935.15					
		.0	21604.56	-15823.38			
		3.0	10894.56	32925.31			
		6.0	-8015.44	33144.00			
		9.0	-26925.44	-15167.31			
		12.0	-37635.44	-112008.62			
31	1	60837.77					
		.0	26873.37	-46905.56			

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M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	MOMENT	AXIA TOR
			SHEAR	MOMENT			
		9.0	-35957.32	-50400.84			
		12.0	-44267.32	-170737.81			

1	-2062.69						
		.0	9054.40	40019.31			
		3.0	744.40	54717.50			
		6.0	-15765.60	28085.70			
		9.0	-32275.60	-39876.11			
		12.0	-40585.60	-149167.91			

5	1	-6666.56					
		.0	-23935.86	130894.14			
		2.0	-29475.86	77482.43			
		4.0	-43215.86	12990.71			
		6.0	-48755.86	-78981.00			
		8.0	-54295.86	-182032.72			

8	1	-3088.31					
		.0	-35096.67	175131.37			
		2.0	-40636.67	99398.03			
		4.0	-54376.67	12584.69			
		6.0	-59916.67	-101708.64			
		8.0	-65456.67	-227081.98			

11	1	-2507.61					
		.0	-37127.83	183153.18			
		2.0	-42667.83	103357.52			
		4.0	-56407.83	12481.85			
		6.0	-61947.83	-105873.82			
		8.0	-67487.83	-235309.49			

14	1	-2667.99					
		.0	-35986.92	178636.14			
		2.0	-41526.92	101122.29			
		4.0	-55266.92	12528.45			
		6.0	-60806.92	-103545.40			
		8.0	-66346.92	-230699.25			

17	1	-3122.78					
		.0	-33405.74	168431.93			
		2.0	-38945.74	96080.45			
		4.0	-52685.74	12648.98			
		6.0	-58225.74	-98262.50			
		8.0	-63765.74	-220253.98			

20	1	-3922.29					
		.0	-29727.09	153910.62			
		2.0	-35267.09	88916.44			
		4.0	-49007.09	12842.27			
		6.0	-54547.09	-90711.91			
		8.0	-60087.09	-205346.08			

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIA
			SHEAR	MOMENT	SHEAR	TOR

	1142314.33					
		.0	64539.87	-267567.87		
		1.0	64539.87	-203028.00		
		2.0	64539.87	-138488.12		
		3.0	64539.87	-73948.25		
5		4.0	64539.87	-9408.37		

	1117864.01					
		.0	54226.58	-147183.90		
		1.0	54226.58	-92957.32		
		2.0	54226.58	-38730.75		
		3.0	54226.58	15495.83		
9		4.0	54226.58	69722.41		

	1 83459.18					
		.0	49908.57	-108397.37		
		1.0	49908.57	-58488.80		
		2.0	49908.57	-8580.23		
		3.0	49908.57	41328.33		
13		4.0	49908.57	91236.90		

	1 47906.15					
		.0	46797.04	-91534.54		
		1.0	46797.04	-44737.50		
		2.0	46797.04	2059.54		
		3.0	46797.04	48856.57		
17		4.0	46797.04	95653.61		

	1 14188.68					
		.0	43454.83	-79739.30		
		1.0	43454.83	-36284.46		
		2.0	43454.83	7170.37		
		3.0	43454.83	50625.20		
21		4.0	43454.83	94080.03		

	1-16412.78					
		.0	39690.95	-68735.87		
		1.0	39690.95	-29044.91		
		2.0	39690.95	10646.04		
		3.0	39690.95	50337.00		
25		4.0	39690.95	90027.95		

	1-43097.66					
		.0	35419.10	-56954.76		
		1.0	35419.10	-21535.65		
		2.0	35419.10	13883.45		
		3.0	35419.10	49302.56		
29		4.0	35419.10	84721.66		

	1-65113.68					
		.0	30946.24	-43377.38		

sa Status Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDT	1-2 PLANE		1-3 PLANE		AXIAL TOR	
COMB			SHEAR	MOMENT	SHEAR	MOMENT		
		1.0	30946.24	-12431.14				
		2.0	30946.24	18515.10				
		3.0	30946.24	49461.34				
		4.0	30946.24	80407.58				
3			-----					
			1 81283.16					
		.0	27179.10	-24015.13				
		1.0	27179.10	3163.97				
		2.0	27179.10	30343.08				
		3.0	27179.10	57522.18				
		4.0	27179.10	84701.29				
7			-----					
			1 83419.14					
		.0	15854.16	17144.06				
		1.0	15854.16	32998.22				
		2.0	15854.16	48852.38				
		3.0	15854.16	64706.54				
		4.0	15854.16	80560.71				
41			-----					
			1 77487.34					
		.0	-23138.58	77194.11				
		1.0	-23138.58	54055.53				
		2.0	-23138.58	30916.95				
		3.0	-23138.58	7778.37				
		4.0	-23138.58	-15360.22				
15			-----					
			1 60718.57					
		.0	-7881.50	18774.24				
		1.0	-7881.50	10892.74				
		2.0	-7881.50	3011.24				
		3.0	-7881.50	-4870.26				
		4.0	-7881.50	-12751.76				
49			-----					
			1-28751.57					
		.0	-12470.94	23876.47				
		1.0	-12470.94	11405.53				
		2.0	-12470.94	-1065.41				
		3.0	-12470.94	-13536.36				
		4.0	-12470.94	-26007.30				
2			-----					
			1*****					
		.0	79089.55	-286287.09				
		1.0	79089.55	-207197.53				
		2.0	79089.55	-128107.98				
		3.0	79089.55	-49018.42				
		4.0	79089.55	30071.13				
6			-----					
			1*****					
		.0	82773.49	-201825.82				
		1.0	82773.49	-119052.33				
		2.0	82773.49	-36278.84				
		3.0	82773.49	46494.65				

sa Statis Portal (33 lantai) Kg/m

Y M E E L E M E N T F O R C E S

LOAD	AXIAL DIST	1-3 PLANE		AXIAL
COMB	FORCE ENDI	SHEAR	MOMENT	TORQ

0	4.0	82773.49	129268.14	

1*****				
	0.0	82757.96	-173821.75	
	1.0	82757.96	-91063.79	
	2.0	82757.96	8305.83	
	3.0	82757.96	74452.13	
	4.0	82757.96	157210.07	

4				

1*****				
	0.0	80014.21	-158138.09	
	1.0	80014.21	-78123.88	
	2.0	80014.21	1890.34	
	3.0	80014.21	81904.55	
	4.0	80014.21	161918.76	

18				

1*****				
	0.0	75801.58	-144959.15	
	1.0	75801.58	-69157.56	
	2.0	75801.58	6644.02	
	3.0	75801.58	82445.60	
	4.0	75801.58	158247.19	

22				

1*****				
	0.0	70362.41	-130856.43	
	1.0	70362.41	-60494.02	
	2.0	70362.41	9868.39	
	3.0	70362.41	80230.81	
	4.0	70362.41	150593.22	

26				

1*****				
	0.0	63777.03	-114640.91	
	1.0	63777.03	-50863.88	
	2.0	63777.03	12913.15	
	3.0	63777.03	76690.17	
	4.0	63777.03	140467.20	

30				

1*****				
	0.0	56149.71	-95136.34	
	1.0	56149.71	-38986.64	
	2.0	56149.71	17163.07	
	3.0	56149.71	73312.78	
	4.0	56149.71	129462.48	

34				

1*****				
	0.0	47545.82	-68157.19	
	1.0	47545.82	-20611.36	
	2.0	47545.82	26934.46	
	3.0	47545.82	74480.28	
	4.0	47545.82	122026.11	

38				

1-68391.16				

isa Statis Portal (13 lantai) Kg/m

A M E M B E R F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST END1	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	32309.09	-17875.97			
		1.0	32309.09	14433.12			
		2.0	32309.09	46742.20			
		3.0	32309.09	79051.29			
		4.0	32309.09	111360.38			
2	1-16529.72	.0	-23258.17	76399.04			
		1.0	-23258.17	53140.86			
		2.0	-23258.17	29862.69			
		3.0	-23258.17	6624.52			
		4.0	-23258.17	-16633.65			
16	1-16336.60	.0	-5675.64	12192.34			
		1.0	-5675.64	6516.70			
		2.0	-5675.64	841.06			
		3.0	-5675.64	-4834.58			
		4.0	-5675.64	-10510.22			
50	1-7988.10	.0	-10463.73	21365.97			
		1.0	-10463.73	10902.24			
		2.0	-10463.73	438.52			
		3.0	-10463.73	-10025.21			
		4.0	-10463.73	-20488.93			
3	1*****	.0	88884.20	-298906.17			
		1.0	88884.20	-210021.97			
		2.0	88884.20	-121137.77			
		3.0	88884.20	-32253.58			
		4.0	88884.20	56630.62			
7	1*****	.0	98684.03	-234232.07			
		1.0	98684.03	-135548.04			
		2.0	98684.03	-36864.00			
		3.0	98684.03	61820.03			
		4.0	98684.03	160504.06			
11	1*****	.0	99178.37	-206395.37			
		1.0	99178.37	-107217.00			
		2.0	99178.37	-8038.64			
		3.0	99178.37	91139.73			
		4.0	99178.37	190318.10			
15	1*****	.0	97166.24	-192177.88			
		1.0	97166.24	-95011.64			
		2.0	97166.24	2154.60			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT
9	1*****	3.0	97166.24	99320.84		
		4.0	97166.24	196487.08		
		0.0	93576.79	-180282.99		
		1.0	93576.79	-86706.20		
		2.0	93576.79	6870.58		
13	1*****	3.0	93576.79	100447.37		
		4.0	93576.79	194024.16		
		0.0	88681.97	-167303.00		
		1.0	88681.97	-78621.03		
		2.0	88681.97	10060.94		
27	1*****	3.0	88681.97	98742.90		
		4.0	88681.97	187424.87		
		0.0	82545.30	-151947.14		
		1.0	82545.30	-69401.83		
		2.0	82545.30	13143.47		
31	1*****	3.0	82545.30	95688.77		
		4.0	82545.30	178234.07		
		0.0	75032.16	-132862.05		
		1.0	75032.16	-57829.89		
		2.0	75032.16	17202.27		
35	1*****	3.0	75032.16	92234.44		
		4.0	75032.16	167266.60		
		0.0	65290.91	-107159.13		
		1.0	65290.91	-41868.21		
		2.0	65290.91	23422.70		
39	1*****	3.0	65290.91	88713.62		
		4.0	65290.91	154004.53		
		0.0	59277.97	-69916.46		
		1.0	59277.97	-10638.49		
		2.0	59277.97	48639.48		
43	1*****	3.0	59277.97	107917.44		
		4.0	59277.97	167195.41		
		0.0	-3515.64	40336.49		
		1.0	-3515.64	36820.85		
		2.0	-3515.64	33305.21		
		3.0	-3515.64	29789.57		
		4.0	-3515.64	26273.93		

sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1	1-85321.47	.0	16096.76	-29744.72		
		1.0	16096.76	-13647.97		
		2.0	16096.76	2448.79		
		3.0	16096.76	18545.55		
		4.0	16096.76	34642.31		

1	1-28973.38	.0	11084.29	-16255.69		
		1.0	11084.29	-5171.40		
		2.0	11084.29	5912.89		
		3.0	11084.29	16997.18		
		4.0	11084.29	28081.47		

4	1*****	.0	72205.37	-277600.23		
		1.0	72205.37	-205394.86		
		2.0	72205.37	-133189.48		
		3.0	72205.37	-60984.11		
		4.0	72205.37	11221.27		

8	1*****	.0	65575.90	-169911.86		
		1.0	65575.90	-104335.96		
		2.0	65575.90	-38760.05		
		3.0	65575.90	26815.85		
		4.0	65575.90	92391.75		

2	1*****	.0	62496.11	-133523.42		
		1.0	62496.11	-71027.32		
		2.0	62496.11	-8531.21		
		3.0	62496.11	53964.89		
		4.0	62496.11	116461.00		

6	1*****	.0	59984.51	-117614.18		
		1.0	59984.51	-57629.67		
		2.0	59984.51	2354.84		
		3.0	59984.51	62339.34		
		4.0	59984.51	122323.85		

20	1*****	.0	57290.80	-107179.46		
		1.0	57290.80	-49888.67		
		2.0	57290.80	7402.13		
		3.0	57290.80	64692.93		
		4.0	57290.80	121983.73		

24	1*****	.0	54090.67	-97336.55		

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE SHEAR	AXIAL TORQ
			SHEAR	MOMENT		
		1.0	54090.67	-43245.88		
		2.0	54090.67	10844.79		
		3.0	54090.67	64935.46		
		4.0	54090.67	119026.12		
3	1*****	.0	50326.57	-86427.73		
		1.0	50326.57	-36101.17		
		2.0	50326.57	14225.40		
		3.0	50326.57	64551.97		
		4.0	50326.57	114878.54		
52	1*****	.0	45722.89	-73064.34		
		1.0	45722.89	-27341.45		
		2.0	45722.89	18381.45		
		3.0	45722.89	64104.34		
		4.0	45722.89	109827.23		
36	1*****	.0	40158.16	-55838.20		
		1.0	40158.16	-15680.05		
		2.0	40158.16	24478.11		
		3.0	40158.16	64636.27		
		4.0	40158.16	104794.43		
40	1*****	.0	41595.78	-31223.54		
		1.0	41595.78	10372.24		
		2.0	41595.78	51968.02		
		3.0	41595.78	93563.81		
		4.0	41595.78	135159.59		
44	1-65807.75	.0	-9616.57	57502.48		
		1.0	-9616.57	47885.91		
		2.0	-9616.57	38269.35		
		3.0	-9616.57	28652.78		
		4.0	-9616.57	19036.22		
48	1-33961.01	.0	8481.80	-13222.04		
		1.0	8481.80	-4740.24		
		2.0	8481.80	3741.56		
		3.0	8481.80	12223.36		
		4.0	8481.80	20705.15		
52	1-10688.30	.0	5510.01	-7918.60		
		1.0	5510.01	-2408.59		
		2.0	5510.01	3101.42		
		3.0	5510.01	8611.43		

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL
D COMB		4.0	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
3	1	6854.30	5510.01	14121.44			
		.0	-24450.32	137775.53			
		2.0	-29990.32	83334.89			
		4.0	-43730.32	17814.26			
		6.0	-49270.32	-75186.37			
		8.0	-54810.32	-179267.01			
36	1	-2600.99					
		.0	-34404.83	178119.78			
		2.0	-39944.83	103770.11			
		4.0	-53684.83	18340.44			
		6.0	-59224.83	-94569.22			
		8.0	-64764.83	-218558.89			
59	1	-7267.47					
		.0	-35553.03	182771.44			
		2.0	-41093.03	106125.39			
		4.0	-54833.03	18399.33			
		6.0	-60373.03	-96806.73			
		8.0	-65913.03	-223092.78			
62	1	-10495.79					
		.0	-33717.47	175392.91			
		2.0	-39257.47	102417.96			
		4.0	-52997.47	18363.02			
		6.0	-58537.47	-93171.92			
		8.0	-64077.47	-215786.87			
65	1	-13534.12					
		.0	-30601.46	162815.90			
		2.0	-36141.46	96072.98			
		4.0	-49881.46	18250.07			
		6.0	-55421.46	-87052.85			
		8.0	-60961.46	-203435.77			
68	1	-16486.15					
		.0	-26684.88	146982.71			
		2.0	-32224.88	88072.94			
		4.0	-45964.88	18083.18			
		6.0	-51504.88	-79386.58			
		8.0	-57044.88	-187936.35			
71	1	-19744.13					
		.0	-22016.02	128099.03			
		2.0	-27556.02	78526.99			
		4.0	-41296.02	17874.95			
		6.0	-46836.02	-70257.09			
		8.0	-52376.02	-169469.13			
74	1	-23909.87					

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL	
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ	
7	1	-10812.00	0	-16169.48	104422.71			
			2.0	-21709.48	66543.76			
			4.0	-35449.48	17584.80			
			6.0	-40989.48	58854.15			
			8.0	-46529.48	-146373.10			
54	1	3170.36	0	-7135.98	67557.23			
			2.0	-12675.98	47745.27			
			4.0	-26415.98	16853.31			
			6.0	-31955.98	-41518.65			
			8.0	-37495.98	-110970.61			
57	1	-2585.40	0	1699.30	84531.00			
			3.0	-6610.70	77163.91			
			6.0	-23120.70	28466.83			
			9.0	-39630.70	-61560.26			
			12.0	-47940.70	-192917.35			
60	1	-4523.72	0	418.28	92255.40			
			3.0	-7891.72	81045.23			
			6.0	-24401.72	28505.05			
			9.0	-40911.72	-65365.12			
			12.0	-49221.72	-200565.29			
63	1	-6283.16	0	618.64	91091.04			
			3.0	-7691.36	80481.95			
			6.0	-24201.36	28542.86			
			9.0	-40711.36	-64726.23			
			12.0	-49021.36	-199325.32			
66	1	-8094.95	0	1527.90	85667.85			
			3.0	-6782.10	77786.56			
			6.0	-23292.10	28575.27			
			9.0	-39802.10	-61966.01			
			12.0	-48112.10	-193837.30			
69	1	-9900.76	0	2927.51	77297.78			
			3.0	-5382.49	73615.30			
			6.0	-21892.49	28602.82			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

JT LOAD ID COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		9.0	-38402.49	-57739.66			
		12.0	-46712.49	-185412.13			
72	1-12116.81						
		.0	4793.56	66134.41			
		3.0	-3516.44	68050.09			
		6.0	-20026.44	28635.77			
		9.0	-36536.44	-52108.55			
		12.0	-44846.44	-174182.87			
75	1-15305.98						
		.0	7275.80	51246.56			
		3.0	-1034.20	60608.97			
		6.0	-17544.20	28641.38			
		9.0	-34054.20	-44656.21			
		12.0	-42364.20	-159283.80			
78	1 -4575.32						
		.0	10911.25	28931.47			
		3.0	2601.25	49200.22			
		6.0	-13908.75	28138.96			
		9.0	-30418.75	-34252.29			
		12.0	-38728.75	-137973.54			
55	1 -6629.47						
		.0	-23713.37	130013.83			
		2.0	-29253.37	77047.09			
		4.0	-42993.37	13000.35			
		6.0	-48533.37	-78526.39			
		8.0	-54073.37	-181133.12			
58	1 -3079.80						
		.0	-34807.16	173982.08			
		2.0	-40347.16	98827.77			
		4.0	-54087.16	12593.46			
		6.0	-59627.16	-101120.85			
		8.0	-65167.16	-225915.17			
61	1 -2511.60						
		.0	-36820.73	181930.68			
		2.0	-42360.73	102749.22			
		4.0	-56100.73	12487.75			
		6.0	-61640.73	-105253.71			
		8.0	-67180.73	-234075.18			
64	1 -2693.71						
		.0	-35688.51	177444.76			
		2.0	-41228.51	100527.74			
		4.0	-54968.51	12530.72			
		6.0	-60508.51	-102946.30			
		8.0	-66048.51	-229503.32			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T	LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
Q	COMB							
7		1	-3200.13					
			.0	33171.27	167489.86			
			2.0	-38711.27	95607.33			
			4.0	-50451.27	12644.79			
			6.0	-57991.27	-97797.74			
			8.0	-63531.27	-219320.27			
0		1	-3764.10					
			.0	-29746.72	153959.87			
			2.0	-35286.72	88926.44			
			4.0	-49026.72	12813.01			
			6.0	-54566.72	-90780.42			
			8.0	-60106.72	-205453.86			
73		1	-4603.67					
			.0	-25427.02	136913.26			
			2.0	-30967.02	80519.23			
			4.0	-44707.02	13045.19			
			6.0	-50247.02	-81908.84			
			8.0	-55787.02	-187942.88			
76		1	-5564.74					
			.0	-19920.92	115141.93			
			2.0	-25460.92	69760.09			
			4.0	-39200.92	13298.24			
			6.0	-44740.92	-70643.60			
			8.0	-50280.92	-165665.44			
79		1	1437.63					
			.0	-12565.68	85947.44			
			2.0	-18105.68	55276.09			
			4.0	-31845.68	13524.74			
			6.0	-37385.68	-55706.62			
			8.0	-42925.68	-136017.97			
30		1	4396.74					
			.0	10931.80	3366.60			
			2.0	3791.80	18090.20			
			4.0	-11548.20	18533.80			
			6.0	-18688.20	-11702.60			
			8.0	-25828.20	-56219.00			
83		1	-49057.71					
			.0	20260.93	-34171.89			
			2.0	13120.93	-790.02			
			4.0	-2219.07	18311.84			
			6.0	-9359.07	6733.71			
			8.0	-16499.07	-19124.42			
86		1	-62277.56					
			.0	20745.31	-36575.12			

isa Statis Portal (15 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
1		2.0	13605.31	-2224.50			
		4.0	-1734.69	17846.12			
		6.0	-8874.69	7236.74			
		8.0	-16014.69	17657.64			

34	1 53018.63	.0	22541.08	-21376.06			
		3.0	11831.08	30182.17			
		6.0	-7078.92	33210.40			
		9.0	-25988.92	-12291.37			
		12.0	-36698.92	-106323.14			

87	1 52142.88	.0	27081.06	-48126.32			
		3.0	16371.06	17051.87			
		6.0	-2538.94	33700.05			
		9.0	-21448.94	1818.24			
		12.0	-32158.94	-78593.57			

87	1 32686.62	.0	27367.94	-49617.55			
		3.0	16657.94	16421.26			
		6.0	-2252.06	33930.07			
		9.0	-21162.06	2908.87			
		12.0	-31872.06	-76642.32			

32	1 19446.12	.0	6171.95	20244.59			
		2.0	-968.05	25448.49			
		4.0	-16308.05	16372.38			
		6.0	-23448.05	-23383.72			
		8.0	-30588.05	-77419.83			

85	1 42666.69	.0	17201.97	-22810.19			
		2.0	10061.97	4453.75			
		4.0	-5278.03	17437.69			
		6.0	-12418.03	-258.37			
		8.0	-19558.03	-32234.43			

88	1 6128.61	.0	18032.89	-25856.45			
		2.0	10892.89	3069.34			
		4.0	-4447.11	17715.12			
		6.0	-11587.11	1680.91			
		8.0	-18727.11	-28633.31			

89	1-71369.77	.0	13912.77	-25962.23			
		2.0	9532.77	-2516.68			
		4.0	-727.23	12168.87			
		6.0	-5107.23	6334.42			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
1	8.0	-9487.23	-8260.04			

1	-5510.01					
	.0	12711.70	-22215.01			
	2.0	8331.70	-1171.62			
	4.0	-1928.30	11111.78			
	6.0	-6308.30	2875.17			
	8.0	-10688.30	-14121.44			

90	1-25694.70					
	.0	17232.72	-28876.38			
	3.0	10662.72	12966.78			
	6.0	-1787.28	23339.94			
	9.0	-14237.28	2243.10			
	12.0	-20807.28	-50323.75			

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

	1156684.33					
	.0	64133.32	-266093.32			
	1.0	64133.32	-201960.00			
	2.0	64133.32	-137826.68			
	3.0	64133.32	-73693.36			
	4.0	64133.32	-9560.04			
5	-----					
	1132507.70					
	.0	53816.91	-146231.17			
	1.0	53816.91	-92414.26			
	2.0	53816.91	-38597.36			
	3.0	53816.91	15219.55			
	4.0	53816.91	69036.46			
9	-----					
	1 98494.81					
	.0	49455.05	-107507.47			
	1.0	49455.05	-58052.42			
	2.0	49455.05	-8597.37			
	3.0	49455.05	40857.68			
	4.0	49455.05	90312.73			
13	-----					
	1 63407.93					
	.0	46288.77	-90589.02			
	1.0	46288.77	-44300.25			
	2.0	46288.77	1988.52			
	3.0	46288.77	48277.29			
	4.0	46288.77	94566.06			
17	-----					
	1 30216.76					
	.0	42883.60	-78720.09			
	1.0	42883.60	-35836.49			
	2.0	42883.60	7047.11			
	3.0	42883.60	49930.70			
	4.0	42883.60	92814.30			
21	-----					
	1 188.81					
	.0	39054.29	-67710.48			
	1.0	39054.29	-28656.19			
	2.0	39054.29	10398.10			
	3.0	39054.29	49452.39			
	4.0	39054.29	88506.68			
25	-----					
	1-25910.56					
	.0	34708.48	-56142.21			
	1.0	34708.48	-21433.73			
	2.0	34708.48	13274.75			
	3.0	34708.48	47983.22			
	4.0	34708.48	82691.70			
29	-----					
	1-47442.28					
	.0	29810.11	-43478.31			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL DIST	1-2 PLANE		1-3 PLANE		AXIAL
D COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
	1.0	29810.11	-13668.20			
	2.0	29810.11	16141.91			
	3.0	29810.11	45952.01			
	4.0	29810.11	75762.12			
3	-----					
	1-63743.28					
	.0	24655.24	-29240.42			
	1.0	24655.24	-4585.18			
	2.0	24655.24	20070.06			
	3.0	24655.24	44725.30			
	4.0	24655.24	69380.54			
57	-----					
	1-73832.15					
	.0	19851.38	-10444.75			
	1.0	19851.38	9406.63			
	2.0	19851.38	29258.00			
	3.0	19851.38	49109.38			
	4.0	19851.38	68960.75			
41	-----					
	1-75229.05					
	.0	7934.68	24548.74			
	1.0	7934.68	32483.42			
	2.0	7934.68	40418.10			
	3.0	7934.68	48352.79			
	4.0	7934.68	56287.47			
15	-----					
	1-61075.96					
	.0	-20313.60	65780.81			
	1.0	-20313.60	45467.21			
	2.0	-20313.60	25153.61			
	3.0	-20313.60	4840.01			
	4.0	-20313.60	-15473.59			
19	-----					
	1-31938.09					
	.0	-12922.02	24162.64			
	1.0	-12922.02	11240.62			
	2.0	-12922.02	-1681.40			
	3.0	-12922.02	-14603.42			
	4.0	-12922.02	-27525.44			
2	-----					
	1*****					
	.0	78623.39	-284738.23			
	1.0	78623.39	-206114.84			
	2.0	78623.39	-127491.46			
	3.0	78623.39	-48868.07			
	4.0	78623.39	29755.32			
6	-----					
	1*****					
	.0	82261.51	-200661.31			
	1.0	82261.51	-118399.80			
	2.0	82261.51	-36138.29			
	3.0	82261.51	46123.22			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL DIST	1-2 PLANE		1-3 PLANE		AXIAL
D COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
0	4.0	82261.51	128384.73			

	1*****					
	.0	82224.69	-172758.39			
	1.0	82224.69	-90533.70			
	2.0	82224.69	-8309.02			
	3.0	82224.69	73915.67			
	4.0	82224.69	156140.36			
4	-----					
	1*****					
	.0	79465.16	-157094.29			
	1.0	79465.16	-77629.12			
	2.0	79465.16	1836.04			
	3.0	79465.16	81301.20			
	4.0	79465.16	160766.37			
18	-----					
	1*****					
	.0	75237.30	-143933.24			
	1.0	75237.30	-68695.94			
	2.0	75237.30	6541.36			
	3.0	75237.30	81778.66			
	4.0	75237.30	157015.96			
22	-----					
	1*****					
	.0	69792.47	-129939.70			
	1.0	69792.47	-60147.23			
	2.0	69792.47	9645.24			
	3.0	69792.47	79437.70			
	4.0	69792.47	149230.17			
26	-----					
	1*****					
	.0	63220.17	-114135.98			
	1.0	63220.17	-50915.81			
	2.0	63220.17	12304.36			
	3.0	63220.17	75524.52			
	4.0	63220.17	138744.69			
30	-----					
	1*****					
	.0	55540.28	-96078.59			
	1.0	55540.28	-40538.31			
	2.0	55540.28	15001.97			
	3.0	55540.28	70542.25			
	4.0	55540.28	126082.52			
34	-----					
	1*****					
	.0	46826.96	-75115.57			
	1.0	46826.96	-28288.60			
	2.0	46826.96	18538.36			
	3.0	46826.96	65365.32			
	4.0	46826.96	112192.28			
38	-----					
	1-84505.23					

sa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
		.0	37344.62	-48438.64			
		1.0	37344.62	-11094.01			
		2.0	37344.62	26250.61			
		3.0	37344.62	63595.24			
		4.0	37344.62	100939.86			
2	1-39769.40						
		.0	21574.97	-3844.34			
		1.0	21574.97	17730.63			
		2.0	21574.97	39305.60			
		3.0	21574.97	60880.56			
		4.0	21574.97	82455.53			
6	1 -1158.63						
		.0	-21423.25	66424.39			
		1.0	-21423.25	45001.14			
		2.0	-21423.25	23577.90			
		3.0	-21423.25	2154.65			
		4.0	-21423.25	-19268.60			
30	1 -4965.18						
		.0	-8862.08	15808.41			
		1.0	-8862.08	6946.33			
		2.0	-8862.08	-1915.74			
		3.0	-8862.08	-10777.82			
		4.0	-8862.08	-19639.90			
3	1*****						
		.0	88449.52	-297402.86			
		1.0	88449.52	-208953.34			
		2.0	88449.52	-120503.82			
		3.0	88449.52	-32054.30			
		4.0	88449.52	56395.22			
7	1*****						
		.0	98247.65	-233196.23			
		1.0	98247.65	-134948.58			
		2.0	98247.65	-36700.93			
		3.0	98247.65	61546.72			
		4.0	98247.65	159794.37			
11	1*****						
		.0	98773.27	-205568.26			
		1.0	98773.27	-106795.00			
		2.0	98773.27	-8021.73			
		3.0	98773.27	90751.53			
		4.0	98773.27	189524.80			
15	1*****						
		.0	96798.06	-191475.28			
		1.0	96798.06	-94677.22			
		2.0	96798.06	2120.83			



sa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ	
			SHEAR	MOMENT	SHEAR	MOMENT		
9		3.0	96798.06	98918.89				
		4.0	96798.06	195716.95				

			.0	93246.98	-179702.79			
3		1.0	93246.98	-86455.82				
		2.0	93246.98	6791.16				
		3.0	93246.98	100038.13				
		4.0	93246.98	193285.11				

3		.0	88390.42	-166931.81				
		1.0	88390.42	-78541.39				
		2.0	88390.42	9849.03				
		3.0	88390.42	98239.45				
27		4.0	88390.42	186629.86				

	31		.0	82314.42	-152148.16			
			1.0	82314.42	-69833.74			
		2.0	82314.42	12480.68				
		3.0	82314.42	94795.11				
51		4.0	82314.42	177109.53				

	51		.0	75034.82	-134865.80			
			1.0	75034.82	-59830.98			
		2.0	75034.82	15203.84				
		3.0	75034.82	90238.65				
55		4.0	75034.82	165273.47				

	55		.0	66442.77	-114293.10			
			1.0	66442.77	-47850.33			
		2.0	66442.77	18592.44				
		3.0	66442.77	85035.21				
59		4.0	66442.77	151477.98				

	59		.0	55760.10	-88670.06			
			1.0	55760.10	-32909.95			
		2.0	55760.10	22850.15				
		3.0	55760.10	78610.26				
43		4.0	55760.10	134370.36				

	43		.0	48849.45	-56586.93			
			1.0	48849.45	-7737.48			
		2.0	48849.45	41111.97				
		3.0	48849.45	89961.42				
43		4.0	48849.45	138810.86				

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A M E E L E M E N T F O R C E S

T LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE	AXIAL
D COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	TORQ
7	-----					
	1-76753.19					
		.0	-245.77	29113.69		
		1.0	-245.77	28867.93		
		2.0	-245.77	28622.16		
		3.0	-245.77	28376.39		
		4.0	-245.77	28130.63		
1	-----					
	1-31356.80					
		.0	12795.14	-21387.76		
		1.0	12795.14	-8592.62		
		2.0	12795.14	4202.53		
		3.0	12795.14	16997.67		
		4.0	12795.14	29792.81		
4	-----					
	1*****					
		.0	71833.77	-276179.18		
		1.0	71833.77	-204345.41		
		2.0	71833.77	-132511.64		
		3.0	71833.77	-60677.87		
		4.0	71833.77	11155.91		
8	-----					
	1*****					
		.0	65242.93	-169087.34		
		1.0	65242.93	-103844.40		
		2.0	65242.93	-38601.47		
		3.0	65242.93	26641.46		
		4.0	65242.93	91884.39		
12	-----					
	1*****					
		.0	62174.00	-132875.63		
		1.0	62174.00	-70701.63		
		2.0	62174.00	-8527.63		
		3.0	62174.00	53646.37		
		4.0	62174.00	115820.36		
16	-----					
	1*****					
		.0	59662.01	-117018.98		
		1.0	59662.01	-57356.97		
		2.0	59662.01	2305.03		
		3.0	59662.01	61967.04		
		4.0	59662.01	121629.04		
20	-----					
	1*****					
		.0	56961.13	-106617.27		
		1.0	56961.13	-49656.14		
		2.0	56961.13	7304.98		
		3.0	56961.13	64266.11		
		4.0	56961.13	121227.24		
24	-----					
	1*****					
		.0	53735.82	-96866.84		

sa Statis Portal (13 lantai) Kg/m

NAME ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-3 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
3		1.0	53735.82	-43131.01			
		2.0	53735.82	10604.81			
		3.0	53735.82	64340.63			
		4.0	53735.82	118076.45			

	1*****						
		.0	49902.93	-86349.40			
		1.0	49902.93	-36446.47			
		2.0	49902.93	13456.47			
		3.0	49902.93	63359.40			
		4.0	49902.93	113262.34			

12							
	1*****						
		.0	45462.80	-74472.96			
		1.0	45462.80	-29010.17			
		2.0	45462.80	16452.63			
		3.0	45462.80	61915.43			
		4.0	45462.80	107378.22			

36							
	1*****						
		.0	40153.03	-60417.08			
		1.0	40153.03	-20264.05			
		2.0	40153.03	19888.97			
		3.0	40153.03	60042.00			
		4.0	40153.03	100195.03			

40							
	1*****						
		.0	33880.90	-43686.07			
		1.0	33880.90	-9807.17			
		2.0	33880.90	24073.73			
		3.0	33880.90	57954.62			
		4.0	33880.90	91835.52			

44							
	1-85291.05						
		.0	33765.90	-23082.89			
		1.0	33765.90	10683.01			
		2.0	33765.90	44448.91			
		3.0	33765.90	78214.82			
		4.0	33765.90	111980.72			

48							
	1-31509.28						
		.0	-6694.18	46074.39			
		1.0	-6694.18	39380.20			
		2.0	-6694.18	32686.02			
		3.0	-6694.18	25991.84			
		4.0	-6694.18	19297.66			

52							
	1-10563.68						
		.0	5306.85	-7750.40			
		1.0	5306.85	-2443.55			
		2.0	5306.85	2863.31			
		3.0	5306.85	8170.16			

sa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	MOMENT	
3		4.0	5306.85	13477.01			

1	6845.41						
		.0	-24176.63	136671.13			
		2.0	-29716.63	82777.88			
		4.0	-43456.63	17804.62			
		6.0	-48996.63	-74648.63			
		8.0	-54536.63	-178181.89			

6							
1	-2580.14						
		.0	-34012.90	176543.93			
		2.0	-39552.90	102978.13			
		4.0	-53292.90	18332.34			
		6.0	-58832.90	-93793.45			
		8.0	-64372.90	-216999.25			

39							
1	-7246.72						
		.0	-35086.88	180901.75			
		2.0	-40626.88	105187.99			
		4.0	-54366.88	18394.22			
		6.0	-59906.88	-95879.54			
		8.0	-65446.88	-221233.31			

52							
1	-10479.82						
		.0	-33191.16	173286.15			
		2.0	-38731.16	101363.83			
		4.0	-52471.16	18361.50			
		6.0	-58011.16	-92120.83			
		8.0	-63551.16	-213683.15			

55							
1	-13526.69						
		.0	-30027.95	160524.78			
		2.0	-35567.95	94928.87			
		4.0	-49307.95	18252.97			
		6.0	-54847.95	-85902.94			
		8.0	-60387.95	-201138.85			

58							
1	-16481.19						
		.0	-26099.37	144648.89			
		2.0	-31639.37	86910.14			
		4.0	-45379.37	18091.40			
		6.0	-50919.37	-78207.34			
		8.0	-56459.37	-185586.09			

71							
1	-19399.63						
		.0	-21531.71	126170.01			
		2.0	-27071.71	77566.58			
		4.0	-40811.71	17883.15			
		6.0	-46351.71	-69280.28			
		8.0	-51891.71	-167523.70			

74							
1	-22615.13						

isa Statis Portal (13 lantai) Kg/m

A M E M B E R F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT
		.0	-16301.01	105002.54		
		2.0	-21841.01	66860.53		
		4.0	-35581.01	17638.52		
		6.0	-41121.01	-59063.49		
		8.0	-46661.01	-146845.50		
7	1-26437.14					
		.0	-10088.87	79825.29		
		2.0	-15628.87	54107.55		
		4.0	-29368.87	17309.81		
		6.0	-34908.87	-46967.92		
		8.0	-40448.87	-122325.66		
30	1-22795.31					
		.0	-1396.90	44412.01		
		2.0	-6936.90	36078.22		
		4.0	-20676.90	16664.42		
		6.0	-26216.90	-30229.37		
		8.0	-31756.90	-88203.17		
54	1 3207.29					
		.0	7096.38	52234.74		
		3.0	-1213.62	61058.89		
		6.0	-17723.62	28553.04		
		9.0	-34233.62	-45282.81		
		12.0	-42543.62	-160448.66		
57	1 -2543.32					
		.0	1764.78	84143.87		
		3.0	-6545.22	76973.21		
		6.0	-23055.22	28472.54		
		9.0	-39565.22	-61358.12		
		12.0	-47875.22	-192518.79		
50	1 -4487.20					
		.0	462.05	92001.34		
		3.0	-7847.95	80922.49		
		6.0	-24357.95	28513.64		
		9.0	-40867.95	-65225.20		
		12.0	-49177.95	-200294.05		
53	1 -6251.96					
		.0	632.99	91016.46		
		3.0	-7677.01	80450.42		
		6.0	-24187.01	28554.39		
		9.0	-40697.01	-64671.65		
		12.0	-49007.01	-199227.68		
66	1 -8081.86					
		.0	1505.55	85816.81		
		3.0	-6804.45	77868.47		
		6.0	-23314.45	28590.13		

Isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
D COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
		9.0	-39824.45	-62018.22			
		12.0	-48134.45	-193956.56			
9	1 -9908.88						
		.0	2849.87	77780.06			
		3.0	-5460.13	73864.67			
		6.0	-21970.13	28619.28			
		9.0	-38480.13	-57956.11			
		12.0	-46790.13	-185861.50			
2	1-11719.74						
		.0	4600.82	67299.57			
		3.0	-3709.18	68637.04			
		6.0	-20219.18	28644.51			
		9.0	-36729.18	-52678.02			
		12.0	-45039.18	-175330.55			
75	1-13901.82						
		.0	6763.47	54352.59			
		3.0	-1546.53	62177.99			
		6.0	-18056.53	28673.39			
		9.0	-34566.53	-46161.21			
		12.0	-42876.53	-162325.81			
78	1-16954.80						
		.0	9439.31	38305.26			
		3.0	1129.31	54158.19			
		6.0	-15380.69	28681.13			
		9.0	-31890.69	-38125.94			
		12.0	-40200.69	-146263.01			
31	1 -7025.65						
		.0	12978.93	16581.03			
		3.0	4668.93	43052.83			
		6.0	-11841.07	28194.63			
		9.0	-28351.07	-27993.57			
		12.0	-36661.07	-125511.77			
55	1 -6590.84						
		.0	-23493.25	129142.79			
		2.0	-29033.25	76616.28			
		4.0	-42773.25	13009.77			
		6.0	-48313.25	-78076.74			
		8.0	-53853.25	-180243.24			
58	1 -3068.93						
		.0	-34520.48	172843.85			
		2.0	-40060.48	98262.88			
		4.0	-53800.48	12601.91			
		6.0	-59340.48	-100539.05			
		8.0	-64880.48	-224760.02			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T D	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
				SHEAR	MOMENT	SHEAR	TORQ
1		1	-2511.99				
			.0	-36513.17	180706.03		
			2.0	-42053.17	102139.69		
			4.0	-55793.17	12493.35		
			6.0	-61333.17	-104633.00		
			8.0	-66873.17	-232839.34		
4		1	-2700.88				
			.0	-35374.80	176192.06		
			2.0	-40914.80	99902.47		
			4.0	-54654.80	12532.87		
			6.0	-60194.80	-102316.72		
			8.0	-65734.80	-228246.31		
57		1	-3225.30				
			.0	-32864.30	166260.36		
			2.0	-38404.30	94991.75		
			4.0	-52144.30	12643.14		
			6.0	-57684.30	-97185.46		
			8.0	-63224.30	-218094.07		
70		1	-3832.89				
			.0	-29487.80	152916.53		
			2.0	-35027.80	88400.93		
			4.0	-48767.80	12805.33		
			6.0	-54307.80	-90270.26		
			8.0	-59847.80	-204425.86		
73		1	-4440.14				
			.0	-25367.51	136644.77		
			2.0	-30907.51	80369.76		
			4.0	-44647.51	13014.74		
			6.0	-50187.51	-81820.28		
			8.0	-55727.51	-187735.30		
76		1	-5309.77				
			.0	-20449.51	117240.76		
			2.0	-25989.51	70801.75		
			4.0	-39729.51	13282.73		
			6.0	-45269.51	-71716.28		
			8.0	-50809.51	-167795.30		
79		1	-6272.13				
			.0	-14541.02	93885.03		
			2.0	-20081.02	59263.00		
			4.0	-33821.02	13560.97		
			6.0	-39361.02	-59621.06		
			8.0	-44901.02	-143883.09		
82		1	-114.99				
			.0	-7365.49	65445.52		

sa Statis Portal (13 lantai) kg/m

N A M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		2.0	-12905.49	45174.53		
		4.0	-26645.49	13823.55		
		6.0	-32185.49	-45007.43		
		8.0	-37725.49	-114918.41		

3	1 -9934.72					
		.0	14153.09	-9493.34		
		2.0	7013.09	11672.84		
		4.0	-8326.91	18559.01		
		6.0	-15466.91	-5234.81		
		8.0	-22606.91	-43308.63		

36	1-67073.63					
		.0	21601.35	-39624.55		
		2.0	14461.35	-3561.84		
		4.0	-878.65	18220.86		
		6.0	-8018.65	9323.57		
		8.0	-15158.65	-13853.73		

84	1 48146.55					
		.0	23540.38	-27329.22		
		3.0	12830.38	27226.92		
		6.0	-6079.62	33253.06		
		9.0	-24989.62	-9250.79		
		12.0	-35699.62	-100284.65		

37	1 41313.35					
		.0	27283.38	-49065.56		
		3.0	16573.38	16719.59		
		6.0	-2336.62	33974.74		
		9.0	-21246.62	2699.88		
		12.0	-31956.62	-77104.97		

35	1 11558.78					
		.0	9018.34	9159.62		
		2.0	1878.34	20056.31		
		4.0	-13461.66	16673.00		
		6.0	-20601.66	-17390.31		
		8.0	-27741.66	-65733.62		

88	1 17319.40					
		.0	18468.24	-27767.86		
		2.0	11328.24	2028.63		
		4.0	-4011.76	17545.11		
		6.0	-11151.76	2381.59		
		8.0	-18291.76	-27061.93		

89	1-77530.19					
		.0	14288.86	-27464.88		
		2.0	9908.86	-3267.15		
		4.0	-351.14	12170.57		
		6.0	-4731.14	7088.30		

Statis Portal (13 lantai) Kg/m

MEME ELEMENT FORCES

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
1	8.0	-9111.14	-6753.98			
1	-5306.85					
	1.0	12836.32	-22567.57			
	2.0	8456.32	-1274.93			
	4.0	-1803.68	11257.71			
	6.0	-6183.68	3270.35			
	8.0	-10563.68	-13477.01			
0	1-23420.36					
	1.0	16865.68	-26537.33			
	3.0	10295.68	14204.70			
	6.0	-2154.32	23476.73			
	9.0	-14604.32	1278.75			
	12.0	-21174.32	-52389.22			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T D	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
1	1172928.68							
		.0		63720.38	-264621.23			
		1.0		63720.38	-200900.85			
		2.0		63720.38	-157180.46			
		3.0		63720.38	73460.08			
		4.0		63720.38	-9739.69			
5	1149036.80							
		.0		53392.10	-145262.85			
		1.0		53392.10	-91870.75			
		2.0		53392.10	-38478.64			
		3.0		53392.10	14913.46			
		4.0		53392.10	68305.56			
9	1115438.30							
		.0		48975.05	-136574.11			
		1.0		48975.05	-57599.06			
		2.0		48975.05	-8624.01			
		3.0		48975.05	40351.04			
		4.0		48975.05	89326.09			
13	1 80853.07							
		.0		45742.48	-89566.02			
		1.0		45742.48	-43823.54			
		2.0		45742.48	1918.94			
		3.0		45742.48	47661.41			
		4.0		45742.48	93403.89			
17	1 48240.30							
		.0		42264.51	-77569.69			
		1.0		42264.51	-35305.18			
		2.0		42264.51	6959.34			
		3.0		42264.51	49223.85			
		4.0		42264.51	91488.37			
21	1 18865.10							
		.0		38355.49	-66430.79			
		1.0		38355.49	-28075.31			
		2.0		38355.49	10280.18			
		3.0		38355.49	48635.66			
		4.0		38355.49	86991.15			
25	1 -6512.61							
		.0		33927.55	-54781.43			
		1.0		33927.55	-20853.88			
		2.0		33927.55	13073.68			
		3.0		33927.55	47001.23			
		4.0		33927.55	80928.78			
29	1-27275.27							
		.0		28942.24	-42180.88			

sa Statis Portal (13 lantai) Kg/m

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		1.0	28942.24	-13238.64			
		2.0	28942.24	15703.60			
		3.0	28942.24	44645.84			
		4.0	28942.24	73588.08			

	1-42834.56	.0	23377.78	-28461.97			
		1.0	23377.78	-5084.19			
		2.0	23377.78	18293.58			
		3.0	23377.78	41671.36			
		4.0	23377.78	65049.13			

	1-52584.46	.0	17506.63	-13485.18			
		1.0	17506.63	4021.45			
		2.0	17506.63	21528.08			
		3.0	17506.63	39034.71			
		4.0	17506.63	56541.33			

	1-55736.08	.0	11543.48	4768.89			
		1.0	11543.48	16312.37			
		2.0	11543.48	27855.85			
		3.0	11543.48	39399.33			
		4.0	11543.48	50942.81			

	1-50559.94	.0	-1013.90	33012.62			
		1.0	-1013.90	31998.72			
		2.0	-1013.90	30984.82			
		3.0	-1013.90	29970.92			
		4.0	-1013.90	28957.03			

	1-32738.45	.0	-20835.28	53284.96			
		1.0	-20835.28	32449.68			
		2.0	-20835.28	11614.39			
		3.0	-20835.28	-9220.89			
		4.0	-20835.28	-30056.18			

	1*****	.0	78155.83	-283198.80			
		1.0	78155.83	-205042.97			
		2.0	78155.83	-126887.14			
		3.0	78155.83	-48731.30			
		4.0	78155.83	29424.53			

	1*****	.0	81746.80	-199502.30			
		1.0	81746.80	-117755.51			
		2.0	81746.80	-36008.71			
		3.0	81746.80	45738.08			

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
		4.0	81746.80	127484.88		

	1*****	.0	81685.45	-171689.72		
		1.0	81685.45	-90004.28		
		2.0	81685.45	-8318.83		
		3.0	81685.45	73366.61		
		4.0	81685.45	155052.06		
1	-----					
	1*****	.0	78905.38	-156025.36		
		1.0	78905.38	-77119.98		
		2.0	78905.38	1785.40		
		3.0	78905.38	80690.78		
		4.0	78905.38	159596.16		
8	-----					
	1*****	.0	74655.59	-142837.21		
		1.0	74655.59	-68181.62		
		2.0	74655.59	6473.98		
		3.0	74655.59	81129.57		
		4.0	74655.59	155785.17		
22	-----					
	1*****	.0	69186.55	-128822.75		
		1.0	69186.55	-59636.21		
		2.0	69186.55	9550.34		
		3.0	69186.55	78736.89		
		4.0	69186.55	147923.43		
26	-----					
	1*****	.0	62595.67	-113062.32		
		1.0	62595.67	-50466.66		
		2.0	62595.67	12129.01		
		3.0	62595.67	74724.68		
		4.0	62595.67	137320.34		
30	-----					
	1*****	.0	54904.72	-95252.53		
		1.0	54904.72	-40347.82		
		2.0	54904.72	14556.90		
		3.0	54904.72	69461.62		
		4.0	54904.72	124366.34		
34	-----					
	1*****	.0	46131.57	-75266.00		
		1.0	46131.57	-29134.43		
		2.0	46131.57	16997.14		
		3.0	46131.57	63128.72		
		4.0	46131.57	109260.29		
38	-----					
	1*****					

2. Sa Statis Portal (13 lantai) Kg/m

TIME ELEMENT FORCES

T.D	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
9			.0	36320.70	-52831.67			
			1.0	36320.70	-16510.97			
			2.0	36320.70	19809.73			
			3.0	36320.70	56130.43			
			4.0	36320.70	92451.13			

23	1-62777.50		.0	25971.73	-26562.83			
			1.0	25971.73	-591.09			
			2.0	25971.73	25380.64			
			3.0	25971.73	51352.37			
			4.0	25971.73	77324.11			

6	1-22398.69		.0	9047.78	11910.39			
			1.0	9047.78	20958.17			
			2.0	9047.78	30005.95			
			3.0	9047.78	39053.73			
			4.0	9047.78	48101.51			

50	1 3517.42		.0	-18888.74	52461.27			
			1.0	-18888.74	33572.53			
			2.0	-18888.74	14683.79			
			3.0	-18888.74	-4204.95			
			4.0	-18888.74	-23093.69			

31	1*****		.0	88020.31	-295918.92			
			1.0	88020.31	-207898.61			
			2.0	88020.31	-119878.29			
			3.0	88020.31	-31857.98			
			4.0	88020.31	56162.34			

3	1*****		.0	97824.80	-232193.52			
			1.0	97824.80	-134368.71			
			2.0	97824.80	-36543.91			
			3.0	97824.80	61280.89			
			4.0	97824.80	159105.69			

7	1*****		.0	98389.82	-204786.75			
			1.0	98389.82	-106396.93			
			2.0	98389.82	-8007.11			
			3.0	98389.82	90382.72			
			4.0	98389.82	188772.54			

15	1*****		.0	96457.94	-190821.15			
			1.0	96457.94	-94363.21			
			2.0	96457.94	2094.73			

2 isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T D	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORO
				SHEAR	MOMENT	SHEAR	MOMENT	
			3.0	96457.94	98552.67			
			4.0	96457.94	195010.60			
9		1*****						
			.0	92949.73	-179150.26			
			1.0	92949.73	-86200.53			
			2.0	92949.73	6749.20			
			3.0	92949.73	99698.93			
			4.0	92949.73	192648.67			
23		1*****						
			.0	88135.25	-166488.29			
			1.0	88135.25	-78353.04			
			2.0	88135.25	9782.21			
			3.0	88135.25	97917.46			
			4.0	88135.25	186052.71			
27		1*****						
			.0	82098.49	-151875.19			
			1.0	82098.49	-69776.70			
			2.0	82098.49	12321.79			
			3.0	82098.49	94420.28			
			4.0	82098.49	176518.77			
31		1*****						
			.0	74876.07	-135027.06			
			1.0	74876.07	-60150.99			
			2.0	74876.07	14725.09			
			3.0	74876.07	89601.16			
			4.0	74876.07	164477.24			
35		1*****						
			.0	66466.01	-115763.71			
			1.0	66466.01	-49297.70			
			2.0	66466.01	17168.32			
			3.0	66466.01	83634.33			
			4.0	66466.01	150100.35			
39		1*****						
			.0	56838.13	-93763.49			
			1.0	56838.13	-36925.36			
			2.0	56838.13	19912.77			
			3.0	56838.13	76750.91			
			4.0	56838.13	133589.04			
43		1*****						
			.0	45041.29	-68259.70			
			1.0	45041.29	-23218.41			
			2.0	45041.29	21822.88			
			3.0	45041.29	66864.16			
			4.0	45041.29	111905.45			

↳ sa Statis Portal (13 lantai) Kg/m

NAME ELEMENT FORCES

LOAD	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL TORQ
COMB			SHEAR	MOMENT	SHEAR	
7	1-98819.10					
		.0	38293.11	-42673.92		
		1.0	38293.11	-4380.81		
		2.0	38293.11	33912.29		
		3.0	38293.11	72205.40		
		4.0	38293.11	110498.51		
1	1-23021.65					
		.0	1583.74	21333.28		
		1.0	1583.74	22917.02		
		2.0	1583.74	24500.76		
		3.0	1583.74	26084.49		
		4.0	1583.74	27668.23		
4	1*****					
		.0	71463.47	-274772.38		
		1.0	71463.47	-203308.91		
		2.0	71463.47	-131845.44		
		3.0	71463.47	-60381.97		
		4.0	71463.47	11081.49		
8	1*****					
		.0	64911.30	-168274.57		
		1.0	64911.30	-103363.27		
		2.0	64911.30	-38451.97		
		3.0	64911.30	26459.33		
		4.0	64911.30	91370.63		
12	1*****					
		.0	61853.68	-132236.47		
		1.0	61853.68	-70382.79		
		2.0	61853.68	-8529.11		
		3.0	61853.68	53324.57		
		4.0	61853.68	115178.26		
16	1*****					
		.0	59341.20	-116421.96		
		1.0	59341.20	-57080.76		
		2.0	59341.20	2260.45		
		3.0	59341.20	61601.65		
		4.0	59341.20	120942.86		
20	1*****					
		.0	56634.16	-106024.76		
		1.0	56634.16	-49390.60		
		2.0	56634.16	7243.56		
		3.0	56634.16	63877.71		
		4.0	56634.16	120511.87		
24	1*****					
		.0	53397.72	-96277.76		

sa Statis Portal (13 lantai) Kg/m

NAME ELEMENT FORCES

LOAD COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE	AXIAL
		SHEAR	MOMENT	SHEAR	TORQ
3	1.0	53397.72	-42880.04		
	2.0	53397.72	10517.68		
	3.0	53397.72	63915.40		
	4.0	53397.72	117313.12		
12	1*****				
	.0	49538.29	-85806.96		
	1.0	49538.29	-36268.67		
	2.0	49538.29	13269.62		
36	1*****				
	.0	45035.97	-74195.58		
	1.0	45035.97	-29159.61		
	2.0	45035.97	15876.35		
40	1*****				
	.0	39896.64	-61215.69		
	1.0	39896.64	-21319.06		
	2.0	39896.64	18577.58		
44	1*****				
	.0	33833.54	-46441.22		
	1.0	33833.54	-12607.68		
	2.0	33833.54	21225.86		
48	1-77679.30				
	.0	27084.50	-30423.60		
	1.0	27084.50	-3339.10		
	2.0	27084.50	23745.40		
52	1-45822.27				
	.0	24970.01	-13109.97		
	1.0	24970.01	11860.04		
	2.0	24970.01	36830.05		
52	1-9996.16				
	.0	-5994.32	35624.35		
	1.0	-5994.32	29630.02		
	2.0	-5994.32	23635.70		
	3.0	-5994.32	17641.38		

sa Statis Portal (13 lantai) Kg/m

M E E L E M E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	1-3 PLANE MOMENT	AXIAL TORQ
		4.0	-5994.32	11647.05	
1	6843.28	.0	-23891.88	135523.16	
		2.0	-29431.88	82199.39	
		4.0	-43171.88	17795.63	
		6.0	-48711.88	-74088.13	
		8.0	-54251.88	-177051.90	
1	-2553.94	.0	-33598.50	174879.67	
		2.0	-39138.50	102142.68	
		4.0	-52878.50	18325.68	
		6.0	-58418.50	-92971.32	
		8.0	-63958.50	-215348.31	
1	-7224.43	.0	-34585.23	178892.10	
		2.0	-40125.23	104181.64	
		4.0	-53865.23	18391.17	
		6.0	-59405.23	-94879.29	
		8.0	-64945.23	-219229.76	
1	-10465.04	.0	-32612.77	170973.58	
		2.0	-38152.77	100208.05	
		4.0	-51892.77	18362.52	
		6.0	-57432.77	-90963.02	
		8.0	-62972.77	-211368.55	
1	-13519.97	.0	-29375.20	157919.16	
		2.0	-34915.20	93628.76	
		4.0	-48655.20	18258.36	
		6.0	-54195.20	-84592.04	
		8.0	-59735.20	-198522.45	
1	-16487.07	.0	-25377.71	141772.58	
		2.0	-30917.71	85477.16	
		4.0	-44657.71	18101.73	
		6.0	-50197.71	-76753.69	
		8.0	-55737.71	-182689.11	
1	-19415.69	.0	-20762.66	123109.66	
		2.0	-26302.66	76044.33	
		4.0	-40042.66	17899.01	
		6.0	-45582.66	-67726.32	
		8.0	-51122.66	-164431.65	
1	-22322.54	.0			

sa Statis Portal (13 lantai) Kg/m

ELEM	ELEMENT	FORCE S	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
7	1-25501.85					
		AXIAL DIST FORCE ENDI				
		.0	-15559.28	102050.05		
		2.0	-21099.28	65391.49		
		4.0	-34839.28	17652.92		
		6.0	-40379.28	-57565.64		
		8.0	-45919.28	-143864.20		
0	1-28894.85					
		.0	-9749.90	78534.32		
		2.0	-15289.90	53494.51		
		4.0	-29029.90	17374.70		
		6.0	-34569.90	-46225.10		
		8.0	-40109.90	-120904.91		
33	1-25786.62					
		.0	5176.14	17930.19		
		2.0	-363.86	22742.48		
		4.0	-14103.86	16474.76		
		6.0	-19643.86	-17272.95		
		8.0	-25183.86	-62100.67		
44	1-3252.32					
		.0	7156.86	51874.93		
		3.0	-1153.14	60880.50		
		6.0	-17663.14	28556.07		
		9.0	-34173.14	-45098.36		
		12.0	-42483.14	-160082.79		
57	1-2492.59					
		.0	1818.87	83826.29		
		3.0	-6491.13	76817.90		
		6.0	-23001.13	28479.50		
		9.0	-39511.13	-61188.89		
		12.0	-47821.13	-192187.28		
60	1-4444.36					
		.0	489.41	91847.66		
		3.0	-7820.59	80850.88		
		6.0	-24330.59	28524.10		
		9.0	-40840.59	-65132.68		
		12.0	-49150.59	-200119.46		
63	1-6215.25					
		.0	627.25	91064.83		
		3.0	-7682.75	80481.59		
		6.0	-24192.75	28568.35		

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL DIST	1-2 PLANE		1-3 PLANE	AXIAL
D COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	TORQ
5	1 -6552.17				
	.0	-23273.64	128273.06		
	2.0	-28813.64	76185.78		
	4.0	-42553.64	13018.50		
	6.0	-48093.64	-77628.78		
	8.0	-53633.64	-179356.07		
8	1 -3057.62				
	.0	-34234.03	171705.16		
	2.0	-39774.03	97697.09		
	4.0	-53514.03	12609.03		
	6.0	-59054.03	-99959.04		
	8.0	-64594.03	-223607.10		
51	1 -2512.48				
	.0	-36204.31	179474.23		
	2.0	-41744.31	101525.62		
	4.0	-55484.31	12497.00		
	6.0	-61024.31	-104011.61		
	8.0	-66564.31	-231600.22		
64	1 -2707.05				
	.0	-35055.05	174912.75		
	2.0	-40595.05	99262.66		
	4.0	-54335.05	12532.57		
	6.0	-59875.05	-101677.52		
	8.0	-65415.05	-226967.62		
67	1 3236.44				
	.0	-32537.07	164946.94		
	2.0	-38077.07	94332.80		
	4.0	-51817.07	12638.66		
	6.0	-57357.07	-96535.49		
	8.0	-62897.07	-216789.63		
70	1 -3859.43				
	.0	-29159.14	151593.06		
	2.0	-34699.14	87734.78		
	4.0	-48439.14	12796.49		
	6.0	-53979.14	-89621.80		
	8.0	-59519.14	-203120.08		
73	1 -4502.32				
	.0	-25065.42	135421.57		
	2.0	-30605.42	79750.73		
	4.0	-44345.42	12999.90		
	6.0	-49885.42	-81230.94		
	8.0	-55425.42	-186541.78		
76	1 -5139.33				
	.0	-20282.74	116537.90		

sa Statis Portal (13 lantai) Kg/m

ELEM	ELEMENT	FORCE	1-2 PLANE		1-3 PLANE		AXIAL
			SHEAR	MOMENT	SHEAR	MOMENT	TORQ
1	6063.13						
		2.0	-25822.74	70432.43			
		4.0	-39562.74	13246.96			
		6.0	-45102.74	-71418.51			
		8.0	-50642.74	127163.99			
2	6749.04						
		1.0	-14770.37	94790.85			
		2.0	-20310.37	59710.12			
		4.0	-34050.37	13549.39			
		6.0	-39590.37	-60091.34			
		8.0	-45130.37	-144812.07			
35	2114.49						
		1.0	-8466.93	69858.89			
		2.0	-14006.93	47385.03			
		4.0	-27746.93	13831.18			
		6.0	-33286.93	-47202.68			
		8.0	-38826.93	119316.53			
36	22008.61						
		1.0	17821.49	-24327.94			
		2.0	10681.49	4175.05			
		4.0	-4658.51	18398.03			
		6.0	-11798.51	1941.01			
		8.0	-18938.51	-28796.01			
87	41094.67						
		1.0	24565.39	-33150.71			
		3.0	13855.39	24480.47			
		6.0	-5054.61	33581.65			
		9.0	-23964.61	-5847.17			
		12.0	-34674.61	-93805.99			
88	7645.82						
		1.0	12604.94	-4856.53			
		2.0	5464.94	13213.36			
		4.0	-9875.06	17003.24			
		6.0	-17015.06	-9886.87			
		8.0	-24155.06	-51056.99			
89	85469.04						
		1.0	15150.65	-30025.89			
		2.0	10770.65	-4104.58			
		4.0	510.65	13056.72			
		6.0	-3869.35	9698.03			

isa Statis Portal (13 lantai) Kg/m

N M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
		8.0	-8249.35	-2420.66			

1	5994.32						
		1.0	13403.84	-25277.75			
		2.0	9023.84	7850.07			
		4.0	1236.16	10817.60			
		6.0	-5616.16	3965.27			
		8.0	-9996.16	-11647.05			

0	1-18907.92						
		1.0	16751.14	-25714.04			
		3.0	10181.14	14684.38			
		6.0	-2268.86	23612.80			
		9.0	-14718.86	1071.23			
		12.0	-21288.86	-52940.35			

Wisa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LT LOAD ID COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE	AXIAL
			SHEAR	MOMENT	SHEAR	TORQ
1	1151699.37	.0	62516.48	-262066.78		
		1.0	62516.48	-199550.29		
		2.0	62516.48	-137033.81		
		3.0	62516.48	-74517.33		
		4.0	62516.48	-12000.84		
5	1131291.18	.0	51813.56	-142091.30		
		1.0	51813.56	-90277.74		
		2.0	51813.56	-38464.18		
		3.0	51813.56	13349.39		
		4.0	51813.56	65162.95		
9	1101441.47	.0	47231.64	-103239.04		
		1.0	47231.64	-56007.40		
		2.0	47231.64	-8775.76		
		3.0	47231.64	38455.89		
		4.0	47231.64	85687.53		
13	1 70800.19	.0	43834.39	-85950.24		
		1.0	43834.39	-42115.85		
		2.0	43834.39	1718.54		
		3.0	43834.39	45552.94		
		4.0	43834.39	89387.33		
17	1 42305.15	.0	40194.70	-73644.12		
		1.0	40194.70	-33449.42		
		2.0	40194.70	6745.28		
		3.0	40194.70	46939.98		
		4.0	40194.70	87134.69		
21	1 17210.11	.0	36128.35	-62200.54		
		1.0	36128.35	-26072.19		
		2.0	36128.35	10056.16		
		3.0	36128.35	46184.50		
		4.0	36128.35	82312.85		
25	1 -3734.44	.0	31548.47	-50271.97		
		1.0	31548.47	-18723.49		
		2.0	31548.47	12824.98		
		3.0	31548.47	44373.45		
		4.0	31548.47	75921.93		
29	1-19923.75	.0	26419.24	-37447.92		

isa Statis Portal (13 lantai) Kg/m

A M E C L E M E N T F O R C E S

T D	LOAD COMB	AXIAL FORCE	DIST ENDDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
			1.0	26419.24	-11028.68			
			2.0	26419.24	15390.55			
			3.0	26419.24	41809.79			
			4.0	26419.24	68229.02			
3		1-30793.57						
			.0	20722.14	23626.32			
			1.0	20722.14	-2904.18			
			2.0	20722.14	17817.96			
			3.0	20722.14	38540.09			
			4.0	20722.14	59262.23			
37		1-35798.20						
			.0	14449.80	-8855.71			
			1.0	14449.80	5594.10			
			2.0	14449.80	20043.90			
			3.0	14449.80	34493.71			
			4.0	14449.80	48943.51			
41		1-34428.49						
			.0	7579.64	6637.48			
			1.0	7579.64	14217.13			
			2.0	7579.64	21796.77			
			3.0	7579.64	29376.41			
			4.0	7579.64	36956.06			
45		1-26291.33						
			.0	-67.14	22065.58			
			1.0	-67.14	21998.44			
			2.0	-67.14	21931.31			
			3.0	-67.14	21864.17			
			4.0	-67.14	21797.03			
49		1-11568.11						
			.0	-12316.57	33761.63			
			1.0	-12316.57	21445.07			
			2.0	-12316.57	9128.50			
			3.0	-12316.57	-3188.07			
			4.0	-12316.57	-15504.64			
2		1*****						
			.0	76822.98	-280532.04			
			1.0	76822.98	-203709.06			
			2.0	76822.98	-126886.08			
			3.0	76822.98	-50063.10			
			4.0	76822.98	26759.88			
6		1*****						
			.0	79865.71	-195654.00			
			1.0	79865.71	-115788.29			
			2.0	79865.71	-35922.58			
			3.0	79865.71	43943.12			

isa Statis Portal (13 lantai) kg/m

A M E E L E M E N T F O R C E S

ELEM ID	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
10			4.0	79865.71	123808.83			
		1*****						
			.0	79758.09	-167968.06			
			1.0	79758.09	-88209.97			
			2.0	79758.09	-8451.88			
			3.0	79758.09	71306.21			
			4.0	79758.09	151064.30			
14								
		1*****						
			.0	76897.19	-152175.30			
			1.0	76897.19	-75278.11			
			2.0	76897.19	1619.08			
			3.0	76897.19	78516.27			
			4.0	76897.19	155413.46			
18								
		1*****						
			.0	72577.51	-138858.22			
			1.0	72577.51	-66280.71			
			2.0	72577.51	6296.81			
			3.0	72577.51	78874.32			
			4.0	72577.51	151451.83			
22								
		1*****						
			.0	67048.00	-124731.66			
			1.0	67048.00	-57683.67			
			2.0	67048.00	9364.33			
			3.0	67048.00	76412.32			
			4.0	67048.00	143460.32			
26								
		1*****						
			.0	60406.57	-108892.11			
			1.0	60406.57	-48485.54			
			2.0	60406.57	11921.03			
			3.0	60406.57	72327.59			
			4.0	60406.57	132734.16			
30								
		1*****						
			.0	52681.67	-91075.01			
			1.0	52681.67	-38393.34			
			2.0	52681.67	14288.32			
			3.0	52681.67	66969.99			
			4.0	52681.67	119651.66			
34								
		1*****						
			.0	43888.22	-71247.45			
			1.0	43888.22	-27359.23			
			2.0	43888.22	16528.99			
			3.0	43888.22	60417.21			
			4.0	43888.22	104305.43			
38								
		1*****						

Analisa Statis Portal (13 lantai) Kg/m

NAME ELEMENT		FORCE S			
T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE	AXIAL
		SHEAR	MOMENT	SHEAR	MOMENT
	.0	34050.64	-49523.34		
	1.0	34050.64	-15472.71		
	2.0	34050.64	18577.93		
	3.0	34050.64	52628.57		
	4.0	34050.64	86679.20		
2	-----				
	1*****				
	.0	23223.63	-26261.41		
	1.0	23223.63	-3037.78		
	2.0	23223.63	20185.85		
	3.0	23223.63	43409.48		
	4.0	23223.63	66633.11		
46	-----				
	1-68617.39				
	.0	11022.13	-2493.55		
	1.0	11022.13	8528.58		
	2.0	11022.13	19550.71		
	3.0	11022.13	30572.85		
	4.0	11022.13	41594.98		
50	-----				
	1-25093.81				
	.0	-825.54	14878.03		
	1.0	-825.54	14052.49		
	2.0	-825.54	13226.95		
	3.0	-825.54	12401.41		
	4.0	-825.54	11575.86		
5	-----				
	1*****				
	.0	88420.43	-295551.58		
	1.0	88420.43	-207131.15		
	2.0	88420.43	-118710.71		
	3.0	88420.43	-30290.28		
	4.0	88420.43	58130.15		
7	-----				
	1*****				
	.0	98771.74	-234036.59		
	1.0	98771.74	-135264.84		
	2.0	98771.74	-36493.10		
	3.0	98771.74	62278.64		
	4.0	98771.74	161050.38		
11	-----				
	1*****				
	.0	99495.52	-207039.39		
	1.0	99495.52	-107543.88		
	2.0	99495.52	-8048.36		
	3.0	99495.52	91447.16		
	4.0	99495.52	190942.67		
15	-----				
	1*****				
	.0	97727.91	-193439.45		
	1.0	97727.91	-95711.54		
	2.0	97727.91	2016.37		

isa Statis Portal (13 lantai) Kg/m

A N E E L E M E N T F O R C E S

ELEM ID	LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ		
				SHEAR	MOMENT	SHEAR	MOMENT			
19	-----		3.0	97727.91	99744.29					
			4.0	97727.91	197472.20					
			1*****							
			0.0	94371.77	-182088.34					
			1.0	94371.77	-97716.57					
23	-----		2.0	94371.77	6655.21					
			3.0	94371.77	101026.98					
			4.0	94371.77	195398.75					
			1*****							
			0.0	89703.21	-169733.81					
27	-----		1.0	89703.21	-80030.59					
			2.0	89703.21	9672.62					
			3.0	89703.21	99375.83					
			4.0	89703.21	189079.05					
			1*****							
31	-----		0.0	83805.71	-155425.59					
			1.0	83805.71	-71619.88					
			2.0	83805.71	12185.82					
			3.0	83805.71	95991.53					
			4.0	83805.71	179797.24					
35	-----		1*****							
			0.0	76713.94	-138916.45					
			1.0	76713.94	-62202.51					
			2.0	76713.94	14511.43					
			3.0	76713.94	91225.37					
39	-----		4.0	76713.94	167939.31					
			1*****							
			0.0	68446.35	-120177.70					
			1.0	68446.35	-51731.35					
			2.0	68446.35	16715.00					
43	-----		3.0	68446.35	85161.35					
			4.0	68446.35	153607.70					
			1*****							
			0.0	59014.29	-99317.44					
			1.0	59014.29	-40303.14					
43	-----		2.0	59014.29	18711.15					
			3.0	59014.29	77725.44					
			4.0	59014.29	136739.74					
			1*****							
			0.0	48472.93	-76778.01					
43	-----		1.0	48472.93	-28305.08					
			2.0	48472.93	20167.85					
			3.0	48472.93	68640.79					
			4.0	48472.93	117113.72					

sa Statis Portal (13 lantai) Kg/m

M E M B E R E N T F O R C E S

LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ

1-75724.34							
	.0		36706.72	-53899.71			
	1.0		36706.72	-17192.99			
	2.0		36706.72	19513.73			
	3.0		36706.72	56220.45			
	4.0		36706.72	92927.17			

1-30920.87							
	.0		28355.03	-36339.54			
	1.0		28355.03	-7984.51			
	2.0		28355.03	20370.52			
	3.0		28355.03	48725.55			
	4.0		28355.03	77080.58			

4	1*****						
	.0		71820.10	-274397.87			
	1.0		71820.10	-202577.77			
	2.0		71820.10	-130757.67			
	3.0		71820.10	-58937.56			
	4.0		71820.10	12882.54			

8	1*****						
	.0		65639.99	-169661.86			
	1.0		65639.99	-104021.87			
	2.0		65639.99	-38381.88			
	3.0		65639.99	27258.11			
	4.0		65639.99	92898.10			

2	1*****						
	.0		62727.75	-134074.42			
	1.0		62727.75	-71346.67			
	2.0		62727.75	-8618.92			
	3.0		62727.75	54108.83			
	4.0		62727.75	116836.58			

.6	1*****						
	.0		60286.51	-118422.70			
	1.0		60286.51	-58136.19			
	2.0		60286.51	2150.32			
	3.0		60286.51	62436.82			
	4.0		60286.51	122723.33			

20	1*****						
	.0		57645.01	-108174.85			
	1.0		57645.01	-50529.84			
	2.0		57645.01	7115.17			
	3.0		57645.01	64760.19			
	4.0		57645.01	122405.20			

24	1*****						
	.0		54463.44	-98554.58			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ	
		SHEAR	MOMENT	SHEAR	MOMENT		
	1.0	54463.44	-44091.13				
	2.0	54463.44	10372.31				
	3.0	54463.44	64835.76				
	4.0	54463.44	119299.20				
28	-----						
	1*****						
	1.0	50647.25	-88198.15				
	1.0	50647.25	-37550.90				
	2.0	50647.25	13096.35				
	3.0	50647.25	63743.60				
	4.0	50647.25	114390.85				
32	-----						
	1*****						
	1.0	46168.16	-76716.79				
	1.0	46168.16	-30548.63				
	2.0	46168.16	15619.52				
	3.0	46168.16	61787.68				
	4.0	46168.16	107955.84				
36	-----						
	1*****						
	1.0	41012.29	-64012.00				
	1.0	41012.29	-22999.71				
	2.0	41012.29	18012.58				
	3.0	41012.29	59024.87				
	4.0	41012.29	100037.16				
40	-----						
	1*****						
	1.0	35151.26	-50121.27				
	1.0	35151.26	-14970.00				
	2.0	35151.26	20181.26				
	3.0	35151.26	55332.52				
	4.0	35151.26	90483.79				
44	-----						
	1-83118.28						
	1.0	28496.79	-35379.84				
	1.0	28496.79	-6883.05				
	2.0	28496.79	21613.74				
	3.0	28496.79	50110.54				
	4.0	28496.79	78607.33				
48	-----						
	1-46966.94						
	1.0	21729.28	-21216.06				
	1.0	21729.28	513.22				
	2.0	21729.28	22242.51				
	3.0	21729.28	43971.79				
	4.0	21729.28	65701.07				
52	-----						
	1-17257.22						
	1.0	12307.08	-7770.21				
	1.0	12307.08	4536.87				
	2.0	12307.08	16843.95				
	3.0	12307.08	29151.03				

lisa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

LT LOAD ID	COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
53			4.0	12307.08	41458.11			
	1	7213.92						
			1.0	20408.19	130090.46			
			2.0	-27548.19	82134.09			
			4.0	-42888.19	19897.72			
			6.0	-50028.19	-73018.65			
			8.0	-57168.19	-180215.03			
56								
	1	-2296.08						
			1.0	-29849.71	168401.99			
			2.0	-36989.71	101562.57			
			4.0	-52329.71	20443.15			
			6.0	-59469.71	-91356.28			
			8.0	-66609.71	-217435.70			
59								
	1	-7069.75						
			1.0	30641.28	171637.78			
			2.0	-37781.28	103215.21			
			4.0	-53121.28	20512.65			
			6.0	-60261.28	-92869.91			
			8.0	-67401.28	-220532.48			
62								
	1	-10317.31						
			1.0	-28495.04	163031.45			
			2.0	-35635.04	98901.38			
			4.0	-50975.04	20491.30			
			6.0	-58115.04	-88598.77			
			8.0	-65255.04	-211968.84			
65								
	1	-13379.64						
			1.0	-25095.04	149335.22			
			2.0	-32235.04	92005.14			
			4.0	-47575.04	20395.06			
			6.0	-54715.04	-81895.02			
			8.0	-61855.04	-198465.10			
68								
	1	-16355.13						
			1.0	-20944.56	132584.82			
			2.0	-28084.56	83555.70			
			4.0	-43424.56	20246.59			
			6.0	-50564.56	-73742.52			
			8.0	-57704.56	-182011.63			
71								
	1	-19295.76						
			1.0	-16189.31	113369.84			
			2.0	-23329.31	73851.22			
			4.0	-38669.31	20052.60			
			6.0	-45809.31	-64426.02			
			8.0	-52949.31	-163184.64			
74								
	1	-22216.90						

Isa Statis Portal (13 lantai) Kg/m

ELEMENT FORCES

T LOAD D COMB	AXIAL DIST FORCE ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT	SHEAR	MOMENT	
	.0	-10869.82	91855.35			
	2.0	-18009.82	62975.71			
	4.0	-33349.82	19816.06			
	6.0	-40489.82	-54023.58			
	8.0	-47629.82	-142143.22			
7	1-25130.67					
	.0	-5004.62	68117.94			
	2.0	-12144.62	50968.70			
	4.0	-27484.62	19539.45			
	6.0	-34624.62	-42569.80			
	8.0	-41764.62	-118959.04			
30	1-28022.84					
	.0	1369.71	42306.03			
	2.0	-5770.29	37905.44			
	4.0	-21110.29	19224.85			
	6.0	-28250.29	-30135.74			
	8.0	-35390.29	-93776.33			
83	1-30735.22					
	.0	8137.17	14890.48			
	2.0	997.17	24024.81			
	4.0	-14342.83	18879.14			
	6.0	-21482.83	-16946.52			
	8.0	-28622.83	-67052.19			
86	1-29621.57					
	.0	14723.22	-11964.60			
	2.0	7583.22	10341.83			
	4.0	-7756.78	18368.26			
	6.0	-14896.78	-4285.30			
	8.0	-22036.78	-41218.87			
54	1 4171.19					
	.0	11997.35	42198.85			
	3.0	1287.35	62125.91			
	6.0	-17622.65	33522.96			
	9.0	-36532.65	-43609.98			
	12.0	-47242.65	-169272.92			
57	1 -2188.46					
	.0	6626.69	74341.19			
	3.0	-4083.31	78156.26			
	6.0	-22993.31	33441.34			
	9.0	-41903.31	-59803.58			
	12.0	-52613.31	-201578.50			
60	1 -4208.85					
	.0	5241.99	82707.12			
	3.0	-5468.01	82368.09			
	6.0	-24378.01	33499.07			

isa Statis Portal (13 lantai) Kg/m

A M E E L E M E N T F O R C E S

T LOAD COMB	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT	SHEAR	MOMENT	
3	1	9.0	-43288.01	-63899.95			
		12.0	-53998.01	-209828.97			
		.0	5318.85	82302.83			
		3.0	-5391.15	82194.37			
		6.0	-24301.15	33555.91			
6	1	9.0	-43211.15	-63612.55			
		12.0	-53921.15	-209311.01			
		.0	6091.47	77718.39			
		3.0	-4618.53	79927.79			
		6.0	-23528.53	33607.19			
9	1	9.0	-42438.53	-61243.41			
		12.0	-53148.53	-204624.02			
		.0	7328.42	70340.80			
		3.0	-3381.58	76261.05			
		6.0	-22291.58	33651.29			
12	1	9.0	-41201.58	-57488.46			
		12.0	-51911.58	-197158.21			
		.0	8954.11	60624.53			
		3.0	-1755.89	71421.86			
		6.0	-20665.89	33689.18			
15	1	9.0	-39575.89	-52573.50			
		12.0	-50285.89	-187366.18			
		.0	10937.53	48755.89			
		3.0	227.53	65503.49			
		6.0	-18682.47	33721.10			
18	1	9.0	-37592.47	-46591.30			
		12.0	-48302.47	-175433.69			
		.0	13256.33	34869.73			
		3.0	2546.33	58573.72			
		6.0	-16363.67	33747.71			
21	1	9.0	-35273.67	-39608.30			
		12.0	-45983.67	-161494.32			
		.0	15877.08	19164.29			
		3.0	5167.08	50730.53			
		6.0	-13742.92	33766.77			
24	1	9.0	-32652.92	-31726.99			
		12.0	-43362.92	-145750.75			

isa Statis Portal (15 lantai) Kg/m

A M E L L E M E N T F O R C E S

T LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
D COMB	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
4	1-18533.72						
		1.0	18724.95	2074.47			
		3.0	8014.95	42184.33			
		6.0	10895.05	33764.19			
		9.0	29805.05	23185.94			
		12.0	40515.05	128666.08			
37	1-17773.89						
		1.0	21486.80	-14501.92			
		3.0	10776.80	33893.49			
		6.0	8133.20	33758.90			
		9.0	-27043.20	-14905.63			
		12.0	37753.20	-112100.27			
55	1-6130.11						
		1.0	-19799.78	122893.82			
		3.0	-26939.78	76154.26			
		4.0	-42279.78	15134.71			
		6.0	-49419.78	-76564.85			
		8.0	-56559.78	-182544.40			
58	1-2912.28						
		1.0	-30805.47	166511.27			
		2.0	-37945.47	97760.32			
		4.0	53285.47	14729.37			
		6.0	-60425.47	-98981.57			
		8.0	-67565.47	-226972.52			
61	1-2441.24						
		1.0	-32846.55	174553.14			
		2.0	-39986.55	101720.04			
		4.0	-55326.55	14606.93			
		6.0	-62466.55	-103186.18			
		8.0	-69606.55	-235259.28			
64	1-2641.49						
		1.0	-31763.46	170249.53			
		2.0	-38903.46	99582.60			
		4.0	-54243.46	14635.67			
		6.0	-61383.46	-100991.25			
		8.0	-68523.46	-230898.18			
67	1-3181.57						
		1.0	-29303.54	160508.54			
		2.0	-36443.54	94761.46			
		4.0	-51783.54	14734.38			
		6.0	-58923.54	-95972.70			
		8.0	-66063.54	-220959.78			
70	1-3816.19						
		1.0	-25975.47	147346.43			

isa Statis Portal (10 Lantai) Kg/m

N A M E E L E M E N T F O R C E S

I D	LOAD COMB	AXIAL FORCE	1-2 PLANE		1-3 PLANE		AXIAL TORQ
			DISP ENDE	SHEAR	MOMENT	SHEAR	
75	1	2.0	-33115.47	88255.48			
		4.0	-48455.47	14884.54			
		6.0	-55595.47	-89166.41			
		8.0	-62735.47	-207497.35			
76	1	2.0	21926.90	131347.52			
		4.0	29066.90	90353.73			
		6.0	-44406.90	15079.24			
		8.0	-51546.90	-80873.85			
79	1	2.0	17201.39	112683.31			
		4.0	24341.39	71140.53			
		6.0	-29681.39	15317.74			
		8.0	-46821.39	71185.05			
82	1	2.0	-11818.66	91430.82			
		4.0	-18958.66	60653.51			
		6.0	34298.66	15596.20			
		8.0	-41438.66	-60141.11			
85	1	2.0	-5823.83	67767.01			
		4.0	-12963.83	48979.35			
		6.0	-28303.83	15911.69			
		8.0	-35443.83	-47835.97			
88	1	2.0	608.66	42347.35			
		4.0	-6531.34	36424.66			
		6.0	-21871.34	16221.98			
		8.0	-29011.34	-34660.71			
89	1	2.0	7050.28	17166.44			
		4.0	-89.72	24127.01			
		6.0	-15429.72	16807.58			
		8.0	-22569.72	-21191.86			
89	1	2.0	11568.11	-15504.64			
		4.0	7188.11	3251.58			
		6.0	-3071.89	13247.80			
		8.0	-7451.89	2724.02			

isa Statis Portal (13 lantai) kg/m

A M E E L E M E N T F O R C E S

T LOAD	AXIAL DIST	1 2 PLANE		1-3 PLANE		AXIAL
D COMB	FORCE ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
	8.0	-11831.89	-16559.77			
21	-----					
	1-12307.08					
	1.0	6142.78	2999.65			
	3.0	1763.78	10905.21			
	4.0	-8497.22	10050.77			
	6.0	-12877.22	-11323.67			
	8.0	-17257.22	41458.11			
20	-----					
	1-40662.11					
	1.0	13261.91	-4983.90			
	3.0	6691.91	24946.84			
	6.0	-5758.09	23407.58			
	9.0	-18208.09	-9601.67			
	12.0	-24778.09	-74080.93			

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.003359	.000235	-.001423
6	.004166	-.002006	-.001528
7	.005635	-.001799	-.001339
8	.006896	-.002869	-.001803
9	.010001	.000411	-.001837
10	.011044	-.003757	-.001756
11	.013144	-.003503	-.001415
12	.014670	-.005411	-.001565
13	.017700	.000480	-.001989
14	.018667	-.005282	-.001874
15	.020847	-.005106	-.001446
16	.022282	-.007649	-.001610
17	.025690	.000447	-.002031
18	.026503	-.006597	-.001906
19	.028625	-.006588	-.001456
20	.029988	-.009590	-.001619
21	.033682	.000327	-.002025
22	.034328	-.007722	-.001902
23	.036348	-.007943	-.001434
24	.037627	-.011245	-.001591
25	.041513	.000137	-.001983
26	.041989	-.008671	-.001864
27	.043865	-.009163	-.001379
28	.045044	-.012627	-.001527
29	.049041	-.000104	-.001907
30	.049340	-.009459	-.001794
31	.051034	-.010245	-.001295
32	.052098	-.013751	-.001430
33	.056128	-.000376	-.001799
34	.056242	-.010100	-.001694
35	.057718	-.011181	-.001182
36	.058650	-.014633	-.001303
37	.062644	-.000660	-.001660
38	.062563	-.010604	-.001565
39	.063791	-.011969	-.001043
40	.064573	-.015295	-.001147
41	.068470	-.000932	-.001494
42	.068182	-.010983	-.001410
43	.069133	-.012600	-.000879
44	.069750	-.015759	-.000966
45	.073491	-.001169	-.001302
46	.072981	-.011248	-.001230
47	.073640	-.013069	-.000699
48	.074070	-.016051	-.000755
49	.077586	-.001343	-.001077
50	.076871	-.011411	-.001047
51	.077199	-.013367	-.000464

isa Statis Portal (13 lantai) Kg/m

I N T E R N A L D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
52	.077343	-.016200	-.000479
53	.080937	-.001427	-.001093
54	.080101	-.011479	-.001044
55	.079455	-.013475	-.000174
56	.079367	-.016245	-.000260

tisa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.011700	.000173	-.002940
6	.012804	-.002148	-.002898
7	.014343	-.001979	-.002701
8	.014999	-.002951	-.003331
9	.019714	.000367	-.001753
10	.020754	-.003880	-.001667
11	.022857	-.003639	-.001307
12	.024534	-.005490	-.001528
13	.027361	.000421	-.001999
14	.028326	-.005411	-.001887
15	.030526	-.005252	-.001455
16	.031971	-.007731	-.001581
17	.035353	.000376	-.002027
18	.036159	-.006731	-.001905
19	.038276	-.006738	-.001442
20	.039636	-.009676	-.001615
21	.043320	.000245	-.002019
22	.043957	-.007859	-.001900
23	.045967	-.008095	-.001424
24	.047248	-.011334	-.001583
25	.051123	.000045	-.001977
26	.051590	-.008812	-.001862
27	.053458	-.009319	-.001370
28	.054639	-.012719	-.001520
29	.058624	-.000203	-.001902
30	.058915	-.009604	-.001793
31	.060602	-.010402	-.001286
32	.061667	-.013845	-.001424
33	.065685	-.000482	-.001794
34	.065792	-.010247	-.001693
35	.067263	-.011341	-.001174
36	.068197	-.014730	-.001297
37	.072180	-.000771	-.001656
38	.072092	-.010754	-.001565
39	.073315	-.012129	-.001035
40	.074100	-.015394	-.001142
41	.077986	-.001047	-.001491
42	.077693	-.011135	-.001411
43	.078640	-.012762	-.000872
44	.079261	-.015860	-.000962
45	.082991	-.001286	-.001300
46	.082478	-.011401	-.001231
47	.083134	-.013231	-.000692
48	.083568	-.016153	-.000752
49	.087076	-.001462	-.001076
50	.086358	-.011565	-.001050
51	.086683	-.013529	-.000457

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
52	.086831	-.016303	-.000475
53	.090423	-.001546	-.001093
54	.089584	-.011633	-.001043
55	.088929	-.013636	-.000173
56	.088841	-.016348	-.000255

sa Statis Portal (13 lantai) Kg/m

INT DISPLACEMENTS

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.020238	.000211	-.006745
6	.020424	-.002170	-.006350
7	.020792	-.002037	-.006160
8	.020865	-.003188	-.006931
9	.047821	.000352	-.004415
10	.048994	-.004103	-.004256
11	.050764	-.003985	-.004057
12	.051553	-.006179	-.004683
13	.057619	.000489	-.001823
14	.058554	-.005585	-.001726
15	.060807	-.005597	-.001328
16	.062554	-.008673	-.001517
17	.065648	.000468	-.002098
18	.066480	-.006912	-.001976
19	.068677	-.007183	-.001513
20	.070019	-.010854	-.001618
21	.073851	.000362	-.002071
22	.074502	-.008045	-.001947
23	.076537	-.008624	-.001470
24	.077774	-.012722	-.001641
25	.081867	.000187	-.002031
26	.082342	-.009002	-.001915
27	.084232	-.009923	-.001432
28	.085372	-.014288	-.001582
29	.089601	-.000040	-.001962
30	.089905	-.009799	-.001852
31	.091618	-.011075	-.001355
32	.092639	-.015569	-.001495
33	.096928	-.000299	-.001861
34	.097051	-.010446	-.001759
35	.098550	-.012072	-.001250
36	.099437	-.016582	-.001375
37	.103713	-.000570	-.001729
38	.103646	-.010956	-.001636
39	.104899	-.012909	-.001117
40	.105635	-.017348	-.001226
41	.109833	-.000831	-.001569
42	.109562	-.011339	-.001487
43	.110543	-.013580	-.000959
44	.111113	-.017890	-.001051
45	.115170	-.001059	-.001382
46	.114681	-.011607	-.001311
47	.115373	-.014078	-.000783
48	.115755	-.018234	-.000845
49	.119599	-.001228	-.001159
50	.118909	-.011771	-.001132
51	.119274	-.014394	-.000552

isa Statis Portal (13 lantai) Kg/m

I N T E R D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
.2	.119377	-.018409	-.000580
.3	.123289	-.001308	-.001172
.4	.122478	-.011837	-.001117
.5	.121902	-.014509	-.000275
.6	.121817	-.018454	-.000377

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.022832	.000211	-.008215
6	.022889	-.002190	-.007572
7	.022907	-.001884	-.007153
8	.022800	-.002857	-.007880
9	.062860	.000324	-.008936
10	.062901	-.004126	-.008424
11	.063142	-.003689	-.008294
12	.063271	-.005496	-.009167
13	.095246	.000329	-.004847
14	.096357	-.005806	-.004667
15	.098185	-.005429	-.004457
16	.098984	-.007894	-.005102
17	.105553	.000325	-.001835
18	.106330	-.007042	-.001723
19	.108584	-.006828	-.001288
20	.110328	-.009816	-.001462
21	.113486	.000172	-.002066
22	.114139	-.008151	-.001943
23	.116246	-.008208	-.001446
24	.117527	-.011471	-.001539
25	.121368	-.000044	-.001984
26	.121825	-.009085	-.001863
27	.123708	-.009438	-.001358
28	.124876	-.012853	-.001522
29	.128862	-.000308	-.001900
30	.129135	-.009862	-.001790
31	.130827	-.010527	-.001282
32	.131889	-.013977	-.001420
33	.135902	-.000599	-.001791
34	.135993	-.010493	-.001690
35	.137470	-.011470	-.001169
36	.138400	-.014861	-.001294
37	.142376	-.000897	-.001653
38	.142276	-.010990	-.001562
39	.143505	-.012261	-.001031
40	.144288	-.015524	-.001139
41	.148166	-.001180	-.001489
42	.147862	-.011365	-.001409
43	.148816	-.012895	-.000869
44	.149436	-.015990	-.000960
45	.153159	-.001424	-.001299
46	.152637	-.011626	-.001230
47	.153302	-.013366	-.000690
48	.153736	-.016283	-.000750
49	.157236	-.001603	-.001076
50	.156513	-.011788	-.001050
51	.156846	-.013665	-.000456

lisa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
52	.156993	-.016432	-.000474
53	.160586	-.001688	-.001097
54	.159742	-.011855	-.001045
55	.159087	-.013772	-.000171
56	.158999	-.016477	-.000254



lisa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.023392	.000260	-.008543
6	.023488	-.002233	-.007898
7	.023545	-.001818	-.007469
8	.023442	-.002838	-.008208
9	.066975	.000416	-.010556
10	.066884	-.004208	-.009774
11	.066766	-.003560	-.009398
12	.066712	-.005451	-.010236
13	.112322	.000432	-.009470
14	.112296	-.005909	-.008941
15	.112498	-.005248	-.008804
16	.112633	-.007799	-.009699
17	.145611	.000334	-.004932
18	.146627	-.007352	-.004732
19	.148446	-.006874	-.004508
20	.149207	-.009897	-.005142
21	.156053	.000229	-.001852
22	.156655	-.008372	-.001728
23	.158848	-.008158	-.001268
24	.160508	-.011530	-.001434
25	.163867	-.000004	-.002031
26	.164334	-.009285	-.001912
27	.166321	-.009414	-.001395
28	.167500	-.012909	-.001481
29	.171464	-.000281	-.001914
30	.171732	-.010042	-.001798
31	.173453	-.010513	-.001277
32	.174503	-.014031	-.001430
33	.178535	-.000583	-.001797
34	.178611	-.010657	-.001695
35	.180105	-.011464	-.001172
36	.181034	-.014913	-.001297
37	.185022	-.000890	-.001658
38	.184908	-.011142	-.001566
39	.186154	-.012261	-.001033
40	.186934	-.015575	-.001142
41	.190823	-.001180	-.001493
42	.190508	-.011506	-.001413
43	.191477	-.012900	-.000871
44	.192096	-.016040	-.000963
45	.195827	-.001429	-.001303
46	.195295	-.011762	-.001234
47	.195976	-.013374	-.000693
48	.196408	-.016332	-.000754
49	.199917	-.001611	-.001081
50	.199185	-.011920	-.001055
51	.199533	-.013675	-.000457

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
2	.199677	-.016481	-.000477
3	.203286	-.001697	-.001104
4	.202433	-.011986	-.001050
5	.201781	-.013783	-.000171
6	.201693	-.016526	-.000257

lisa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.023471	.000313	-.008603
6	.023575	-.002278	-.007958
7	.023645	-.001751	-.007537
8	.023544	-.002820	-.008283
9	.067777	.000521	-.010901
10	.067728	-.004299	-.010112
11	.067655	-.003427	-.009723
12	.067607	-.005414	-.010573
13	.116646	.000583	-.011055
14	.116488	-.006041	-.010263
15	.116327	-.005053	-.009873
16	.116283	-.007737	-.010737
17	.162530	.000500	-.009403
18	.162457	-.007508	-.008876
19	.162617	-.006626	-.008726
20	.162744	-.009787	-.009603
21	.195165	.000308	-.004853
22	.196062	-.008723	-.004640
23	.197832	-.008136	-.004398
24	.198538	-.011590	-.005009
25	.205481	.000116	-.001841
26	.205896	-.009540	-.001708
27	.207983	-.009304	-.001226
28	.209529	-.012949	-.001383
29	.213040	-.000181	-.001964
30	.213310	-.010269	-.001851
31	.215144	-.010433	-.001317
32	.216205	-.014067	-.001395
33	.220227	-.000499	-.001816
34	.220293	-.010859	-.001706
35	.221826	-.011396	-.001171
36	.222743	-.014947	-.001311
37	.226760	-.000819	-.001669
38	.226627	-.011324	-.001575
39	.227900	-.012203	-.001040
40	.228679	-.015607	-.001150
41	.232589	-.001118	-.001502
42	.232256	-.011674	-.001420
43	.233253	-.012849	-.000876
44	.233869	-.016070	-.000971
45	.237619	-.001374	-.001312
46	.237072	-.011919	-.001241
47	.237777	-.013328	-.000698
48	.238208	-.016361	-.000760
49	.241735	-.001561	-.001090
50	.240990	-.012071	-.001062
51	.241360	-.013632	-.000461

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
62	.241500	-.016509	-.000483
63	.245136	-.001650	-.001117
64	.244269	-.012135	-.001058
65	.243623	-.013741	-.000172
66	.243536	-.016555	-.000263

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.023414	.000368	-.008593
6	.023518	-.002324	-.007950
7	.023588	-.001686	-.007528
8	.023486	-.002802	-.008273
9	.067770	.000630	-.010957
10	.067729	-.004390	-.010167
11	.067668	-.003298	-.009785
12	.067623	-.005377	-.010643
13	.117319	.000746	-.011385
14	.117200	-.006178	-.010583
15	.117084	-.004858	-.010180
16	.117045	-.007681	-.011056
17	.166547	.000712	-.010912
18	.166343	-.007688	-.010135
19	.166146	-.006370	-.009729
20	.166099	-.009706	-.010578
21	.211107	.000540	-.009067
22	.210989	-.008930	-.008557
23	.211102	-.007827	-.008390
24	.211213	-.011463	-.009232
25	.242314	.000270	-.004678
26	.243076	-.009927	-.004457
27	.244768	-.009214	-.004195
28	.245408	-.012981	-.004774
29	.252317	.000006	-.001803
30	.252533	-.010556	-.001663
31	.254480	-.010264	-.001160
32	.255889	-.014080	-.001308
33	.259497	-.000335	-.001868
34	.259557	-.011113	-.001763
35	.261210	-.011258	-.001212
36	.262137	-.014957	-.001283
37	.266158	-.000672	-.001693
38	.266008	-.011549	-.001590
39	.267331	-.012080	-.001042
40	.268099	-.015614	-.001168
41	.272048	-.000986	-.001518
42	.271690	-.011878	-.001432
43	.272724	-.012736	-.000886
44	.273339	-.016076	-.000982
45	.277121	-.001253	-.001325
46	.276550	-.012108	-.001252
47	.277293	-.013223	-.000706
48	.277720	-.016365	-.000771
49	.281277	-.001446	-.001103
50	.280511	-.012251	-.001074
51	.280914	-.013531	-.000468

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
52	.281049	-.016512	-.000491
53	.284726	-.001537	-.001135
54	.283838	-.012312	-.001070
55	.283200	-.013641	-.000174
56	.283114	-.016558	-.000273

lisa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.023312	.000422	-.008562
6	.023416	-.002369	-.007921
7	.023486	-.001624	-.007498
8	.023384	-.002781	-.008241
9	.067531	.000740	-.010939
10	.067491	-.004480	-.010151
11	.067430	-.003172	-.009767
12	.067384	-.005337	-.010624
13	.117100	.000912	-.011434
14	.116988	-.006315	-.010632
15	.116885	-.004669	-.010235
16	.116849	-.007622	-.011118
17	.166947	.000933	-.011218
18	.166780	-.007872	-.010430
19	.166626	-.006118	-.010012
20	.166584	-.009626	-.010872
21	.214614	.000812	-.010473
22	.214369	-.009158	-.009730
23	.214134	-.007514	-.009310
24	.214079	-.011358	-.010126
25	.256877	.000566	-.008565
26	.256714	-.010186	-.008082
27	.256777	-.008849	-.007897
28	.256868	-.012832	-.008690
29	.286124	.000236	-.004430
30	.286736	-.010978	-.004204
31	.288327	-.010105	-.003919
32	.288893	-.014080	-.004459
33	.295655	-.000080	-.001740
34	.295660	-.011435	-.001594
35	.297438	-.011030	-.001070
36	.298689	-.014938	-.001207
37	.302341	-.000442	-.001746
38	.302175	-.011835	-.001648
39	.303624	-.011883	-.001085
40	.304401	-.015592	-.001147
41	.308367	-.000774	-.001545
42	.307984	-.012133	-.001451
43	.309080	-.012554	-.000891
44	.309685	-.016051	-.001003
45	.313514	-.001054	-.001345
46	.312911	-.012343	-.001268
47	.313704	-.013050	-.000719
48	.314130	-.016339	-.000785
49	.317729	-.001256	-.001121
50	.316932	-.012474	-.001090
51	.317382	-.013364	-.000476

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
52	.317508	-.016485	-.000503
53	.321245	-.001352	-.001161
54	.320327	-.012530	-.001087
55	.319700	-.013476	-.000176
56	.319614	-.016530	-.000285

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.023198	.000476	-.008524
6	.023302	-.002413	-.007885
7	.023373	-.001564	-.007462
8	.023271	-.002758	-.008202
9	.067224	.000849	-.010900
10	.067184	-.004571	-.010113
11	.067123	-.003052	-.009727
12	.067076	-.005292	-.010582
13	.116632	.001077	-.011415
14	.116521	-.006452	-.010613
15	.116417	-.004488	-.010213
16	.116380	-.007555	-.011097
17	.166479	.001156	-.011261
18	.166320	-.008057	-.010472
19	.166177	-.005874	-.010058
20	.166138	-.009540	-.010926
21	.214694	.001093	-.010750
22	.214482	-.009392	-.009996
23	.214287	-.007208	-.009563
24	.214238	-.011250	-.010389
25	.259775	.000901	-.009846
26	.259491	-.010467	-.009151
27	.259218	-.008482	-.008717
28	.259153	-.012699	-.009488
29	.299039	.000601	-.007929
30	.298830	-.011293	-.007480
31	.298839	-.009685	-.007275
32	.298910	-.013904	-.008009
33	.325867	.000232	-.004116
34	.326313	-.011896	-.003889
35	.327785	-.010803	-.003578
36	.328269	-.014897	-.004071
37	.334780	-.000113	-.001653
38	.334559	-.012198	-.001502
39	.336146	-.011595	-.000959
40	.337219	-.015535	-.001082
41	.340866	-.000470	-.001600
42	.340455	-.012460	-.001511
43	.341685	-.012295	-.000935
44	.342298	-.015991	-.000990
45	.346157	-.000768	-.001377
46	.345520	-.012642	-.001290
47	.346388	-.012804	-.000728
48	.346804	-.016277	-.000809
49	.350461	-.000982	-.001147
50	.349625	-.012757	-.001112
51	.350135	-.013126	-.000488

lisa Statis Portal (13 lantai) Kg/m

I N T E R D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
52	.350252	-.016421	-.000518
53	.354068	-.001084	-.001195
54	.353109	-.012807	-.001110
55	.352494	-.013240	-.000179
56	.352410	-.016466	-.000301

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INT DISPLACEMENTS

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
1	.000000	-.000000	-.000000
2	.000000	-.000000	-.000000
3	.000000	-.000000	-.000000
4	.000000	-.000000	-.000000
5	.023080	-.000530	-.008484
6	.023184	-.002459	-.007848
7	.023256	-.001506	-.007424
8	.023155	-.002732	-.008161
9	.066896	-.000958	-.010853
10	.066856	-.004663	-.010068
11	.066796	-.002935	-.009681
12	.066750	-.005241	-.010534
13	-.116089	.001244	-.011374
14	-.115979	-.006592	-.010573
15	-.115875	-.004312	-.010171
16	-.115837	-.007481	-.011053
17	-.165770	.001381	-.011241
18	-.165610	-.008247	-.010452
19	-.165467	-.005638	-.010034
20	-.165427	-.009443	-.010903
21	-.213964	.001377	-.010785
22	-.213758	-.009633	-.010030
23	-.213575	-.006910	-.009599
24	-.213527	-.011131	-.010434
25	-.259507	.001246	-.010089
26	-.259252	-.010760	-.009382
27	-.259017	-.008122	-.008935
28	-.258957	-.012558	-.009715
29	-.301250	.001003	-.009065
30	-.300926	-.011638	-.008429
31	-.300616	-.009265	-.007980
32	-.300542	-.013737	-.008696
33	-.336890	.000672	-.007170
34	-.336636	-.012281	-.006762
35	-.336589	-.010327	-.006535
36	-.336636	-.014690	-.007200
37	-.360866	.000291	-.003743
38	-.361131	-.012711	-.003513
39	-.362470	-.011293	-.003176
40	-.362863	-.015447	-.003616
41	-.369031	-.000057	-.001548
42	-.368563	-.012882	-.001390
43	-.369945	-.011942	-.000827
44	-.370820	-.015888	-.000939
45	-.374419	-.000379	-.001433
16	-.373739	-.013030	-.001351
7	-.374750	-.012477	-.000772
8	-.375172	-.016171	-.000803
9	-.378877	-.000608	-.001185
0	-.377995	-.013123	-.001141
1	-.378590	-.012808	-.000497

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D I S P L A C E M E N T S

NATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

U(X)	U(Y)	R(Z)
.378689	-.016313	-.000541
.382612	-.000717	-.001242
.381597	-.013166	-.001140
.380995	-.012924	-.000182
.380914	-.016358	-.000319

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E N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

T	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.022961	.000586	-.008443
6	.023065	-.002509	-.007810
7	.023137	-.001450	-.007385
8	.023037	-.002703	-.008120
9	.066560	.001071	-.010804
0	.066521	-.004763	-.010022
1	.066462	-.002821	-.009633
.2	.066416	-.005184	-.010483
.3	.115522	.001414	-.011327
.4	.115412	-.006743	-.010528
.5	.115309	-.004139	-.010123
.6	.115271	-.007396	-.011003
.7	.164986	.001611	-.011202
.8	.164827	-.008451	-.010413
.9	.164684	-.005406	-.009992
20	.164643	-.009332	-.010860
21	.213009	.001670	-.010765
22	.212804	-.009892	-.010008
23	.212620	-.006618	-.009573
24	.212572	-.010997	-.010408
25	.258506	.001602	-.010116
26	.258257	-.011076	-.009406
27	.258032	-.007768	-.008959
28	.257975	-.012399	-.009747
29	.300610	.001425	-.009269
30	.300311	-.012013	-.008619
31	.300036	-.008848	-.008158
32	.299966	-.013555	-.008880
33	.338343	.001157	-.008141
34	.337981	-.012715	-.007573
35	.337633	-.009849	-.007109
36	.337548	-.014480	-.007759
37	.369763	.000822	-.006291
38	.369463	-.013196	-.005931
39	.369359	-.010757	-.005681
40	.369381	-.015199	-.006267
41	.390461	.000458	-.003312
42	.390528	-.013478	-.003081
43	.391733	-.011558	-.002716
44	.392028	-.015742	-.003099
15	.397763	.000140	-.001427
6	.397019	-.013546	-.001259
7	.398204	-.012050	-.000685
8	.398851	-.016012	-.000766
9	.402363	-.000110	-.001244
0	.401419	-.013613	-.001208
1	.402162	-.012401	-.000536

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I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
52	.402255	-.016152	-.000537
53	.406294	-.000229	-.001309
54	.405213	-.013646	-.001181
55	.404629	-.012520	-.000176
56	.404545	-.016196	-.000348

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I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NO	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.022842	.000645	-.008403
6	.022946	-.002565	-.007773
7	.023019	-.001393	-.007347
8	.022919	-.002670	-.008079
9	.066225	.001190	-.010756
10	.066186	-.004877	-.009976
11	.066129	-.002707	-.009584
12	.066082	-.005119	-.010432
13	.114952	.001595	-.011280
14	.114843	-.006917	-.010482
15	.114741	-.003966	-.010073
16	.114703	-.007300	-.010952
17	.164187	.001856	-.011159
18	.164029	-.008685	-.010371
19	.163887	-.005173	-.009944
20	.163846	-.009207	-.010812
21	.212000	.001981	-.010729
22	.211795	-.010189	-.009972
23	.211611	-.006324	-.009530
24	.211563	-.010843	-.010366
25	.257325	.001981	-.010095
26	.257075	-.011439	-.009384
27	.256850	-.007412	-.008929
28	.256792	-.012219	-.009720
29	.299355	.001875	-.009286
30	.299061	-.012444	-.008634
31	.298794	-.008429	-.008169
32	.298727	-.013348	-.008899
33	.337336	.001680	-.008302
34	.336993	-.013217	-.007719
35	.336678	-.009365	-.007242
36	.336597	-.014248	-.007896
37	.370417	.001417	-.007078
38	.370017	-.013770	-.006589
39	.369631	-.010209	-.006108
40	.369536	-.014939	-.006684
41	.397031	.001113	-.005294
42	.396686	-.014118	-.004988
43	.396526	-.010947	-.004715
44	.396524	-.015445	-.005216
45	.414028	.000804	-.002830
46	.413877	-.014281	-.002592
47	.414971	-.011565	-.002209
48	.415147	-.015796	-.002506
49	.420370	.000553	-.001297
50	.419354	-.014286	-.001155
	.420293	-.011881	-.000464

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I N T D I S P L A C E M E N T S

) COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

NT	U(X)	U(Y)	R(Z)
52	.420555	-.015926	-.000513
53	.424546	.000421	-.001399
54	.423371	-.014306	-.001271
55	.422839	-.012010	-.000207
56	.422759	-.015969	-.000339

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I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.022725	.000712	-.008363
6	.022828	-.002638	-.007736
7	.022902	-.001329	-.007309
8	.022803	-.002635	-.008038
9	.065896	.001325	-.010709
10	.065857	-.005024	-.009931
11	.065800	-.002580	-.009536
12	.065754	-.005049	-.010382
13	.114394	.001800	-.011235
14	.114285	-.007139	-.010438
15	.114184	-.003774	-.010025
16	.114146	-.007198	-.010902
17	.163406	.002133	-.011118
18	.163248	-.008985	-.010329
19	.163106	-.004915	-.009897
20	.163065	-.009073	-.010765
21	.211008	.002331	-.010694
22	.210803	-.010569	-.009935
23	.210620	-.005999	-.009485
24	.210571	-.010678	-.010323
25	.256140	.002409	-.010067
26	.255890	-.011901	-.009353
27	.255665	-.007018	-.008889
28	.255607	-.012025	-.009682
29	.298008	.002382	-.009270
30	.297714	-.012992	-.008613
31	.297447	-.007964	-.008138
32	.297379	-.013126	-.008873
33	.335897	.002270	-.008313
34	.335559	-.013855	-.007726
35	.335251	-.008828	-.007240
36	.335173	-.014000	-.007905
37	.369118	.002094	-.007197
38	.368731	-.014502	-.006689
39	.368375	-.009598	-.006193
40	.368283	-.014665	-.006772
41	.396930	.001877	-.005885
42	.396492	-.014947	-.005482
43	.396070	-.010261	-.004979
44	.395968	-.015145	-.005478
45	.418159	.001648	-.004187
46	.417768	-.015205	-.003934
47	.417567	-.010803	-.003649
48	.417535	-.015464	-.004030
49	.431032	.001440	-.002298
50	.430698	-.015297	-.002105
51	.431632	-.011210	-.001581

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
52	.431516	-.015653	-.001785
53	.436844	.001305	-.001589
54	.435549	-.015283	-.001210
55	.435120	-.011304	-.000088
56	.435210	-.015694	-.000344

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I N T E R D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

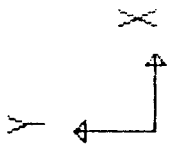
T	U(X)	U(Y)	R(Z)
1	.000000	.000000	.000000
2	.000000	.000000	.000000
3	.000000	.000000	.000000
4	.000000	.000000	.000000
5	.022593	.000624	-.008354
6	.022703	-.003133	-.007736
7	.022798	-.001606	-.007237
8	.022704	-.002790	-.007972
9	.065578	.001165	-.010699
10	.065544	-.005981	-.009926
11	.065494	-.003100	-.009462
12	.065450	-.005347	-.010312
13	.113892	.001582	-.011234
14	.113785	-.008528	-.010441
15	.113689	-.004504	-.009953
16	.113652	-.007627	-.010837
17	.162747	.001873	-.011130
18	.162590	-.010776	-.010342
19	.162454	-.005820	-.009830
20	.162414	-.009619	-.010706
21	.210226	.002047	-.010718
22	.210024	-.012734	-.009959
23	.209845	-.007046	-.009424
24	.209797	-.011330	-.010272
25	.255275	.002118	-.010105
26	.255027	-.014412	-.009388
27	.254806	-.008173	-.008835
28	.254748	-.012769	-.009640
29	.297102	.002103	-.009324
30	.296810	-.015822	-.008661
31	.296547	-.009194	-.008092
32	.296479	-.013950	-.008842
33	.335006	.002021	-.008385
34	.334670	-.016978	-.007790
35	.334365	-.010098	-.007207
36	.334287	-.014889	-.007889
37	.368325	.001894	-.007299
38	.367944	-.017893	-.006782
39	.367597	-.010874	-.006188
40	.367508	-.015606	-.006791
41	.396437	.001747	-.006077
42	.396012	-.018581	-.005649
43	.395622	-.011509	-.005047
44	.395521	-.016124	-.005561
45	.418800	.001605	-.004748
46	.418335	-.019058	-.004419
47	.417913	-.011990	-.003818
48	.417811	-.016466	-.004243
49	.435112	.001497	-.003411
50	.434663	-.019341	-.003227
51	.434259	-.012301	-.002628

isa Statis Portal (13 lantai) Kg/m

I N T D I S P L A C E M E N T S

COMBINATION 1 - DISPLACEMENTS "U" AND ROTATIONS "R"

IT	U(X)	U(Y)	R(Z)
52	.434116	-.016659	-.002887
53	.446483	.001449	-.002854
54	.445880	-.019444	-.002420
55	.444956	-.012429	-.001386
56	.444769	-.016730	-.001860



I-2

FRAME

OUTPUT M33

LOAD I

ENVELOPES

MIN < 2 >

- .7789E+06

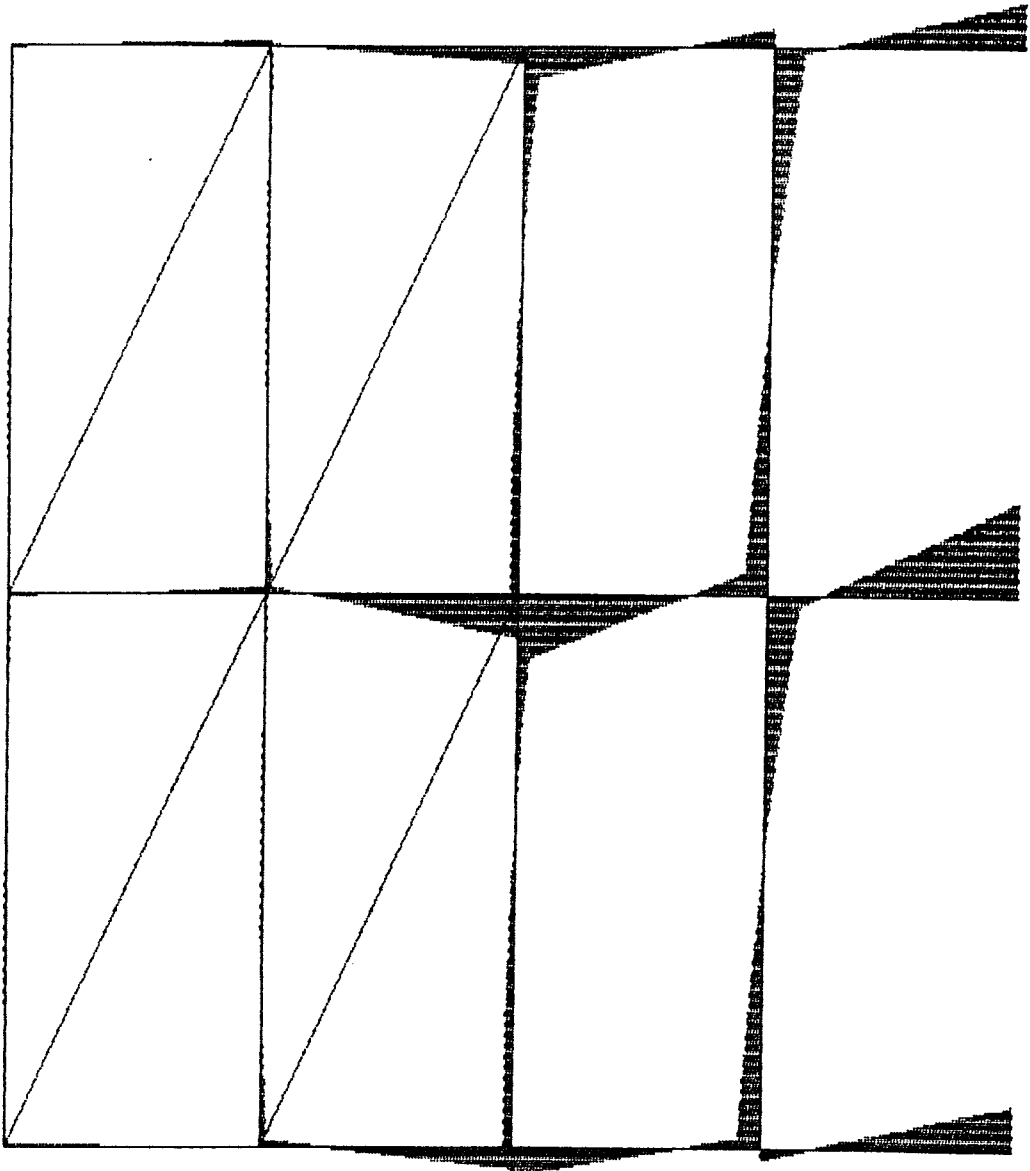
AT .00

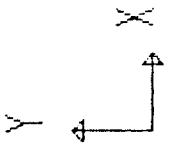
MAX < 5 >

.5682E+06

AT 4.80

SAP90





I-2

FRAME

OUTPUT V22

LOAD 1

ENVELOPES

MIN < 8 >

AT -.8842E+05

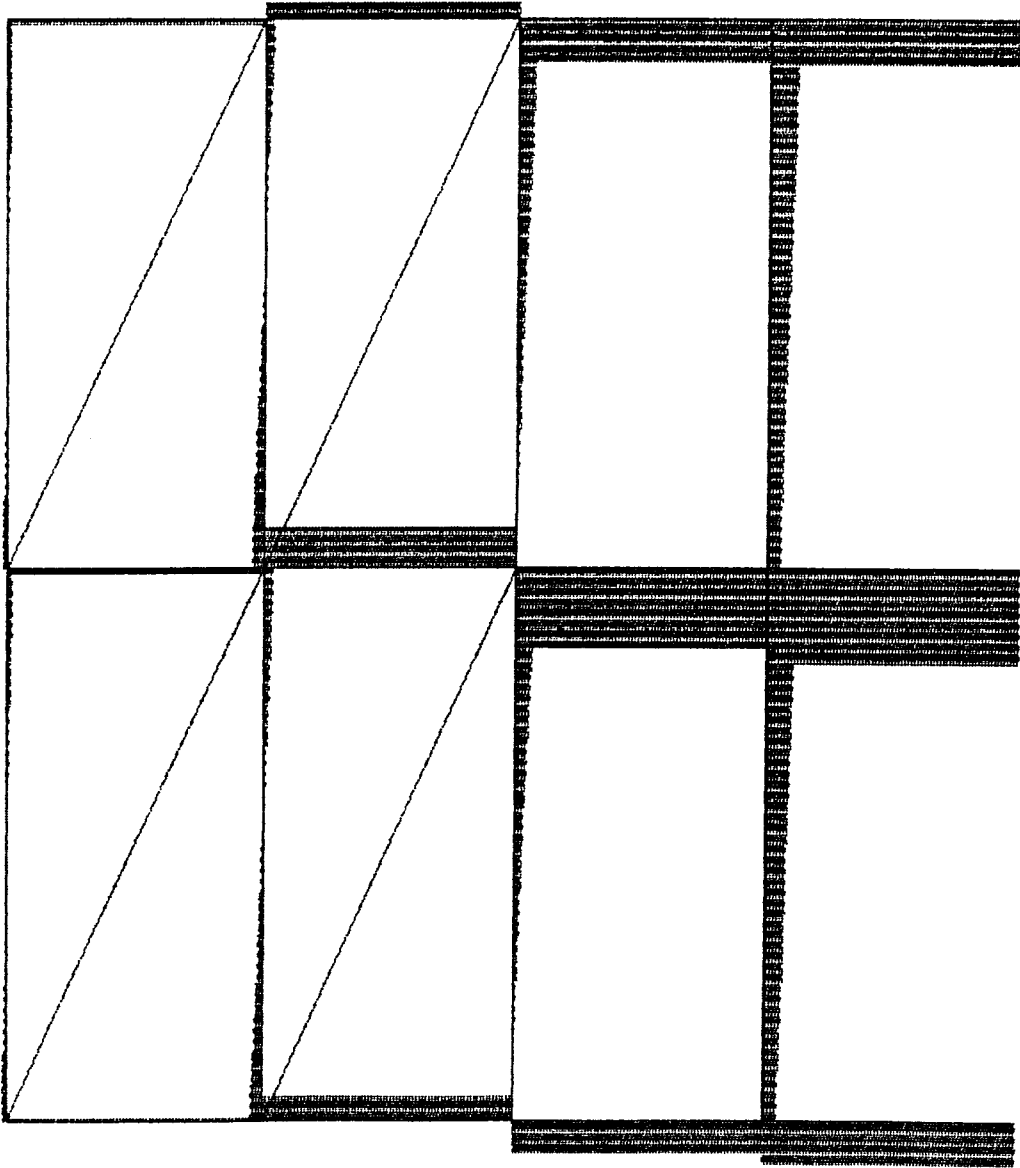
MAX < 2 >

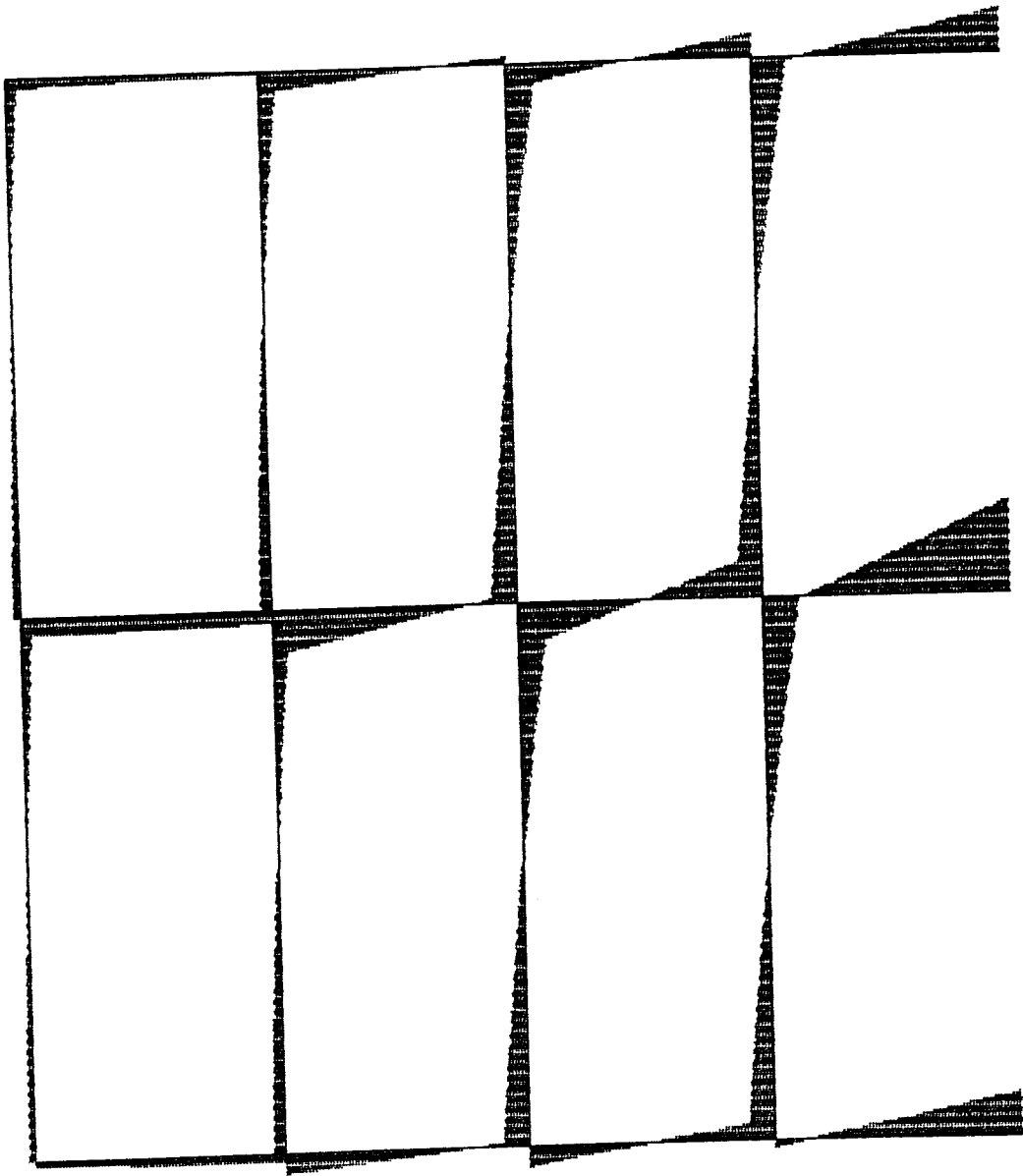
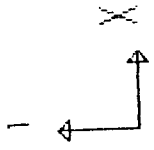
AT .2046E+06

AT .00

AT .00

SAP90

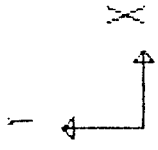




I-K
 FRAME
 OUTPUT M33
 LOAD 1

ENVELOPES
 MIN < 2>
 -.8209E+06
 AT .00
 MAX < 5>
 .4176E+06
 AT 4.80

SAP90



I-K

FRAME

OUTPUT V22

LOAD I

ENVELOPES

MIN < 13 >

-.7018E+05

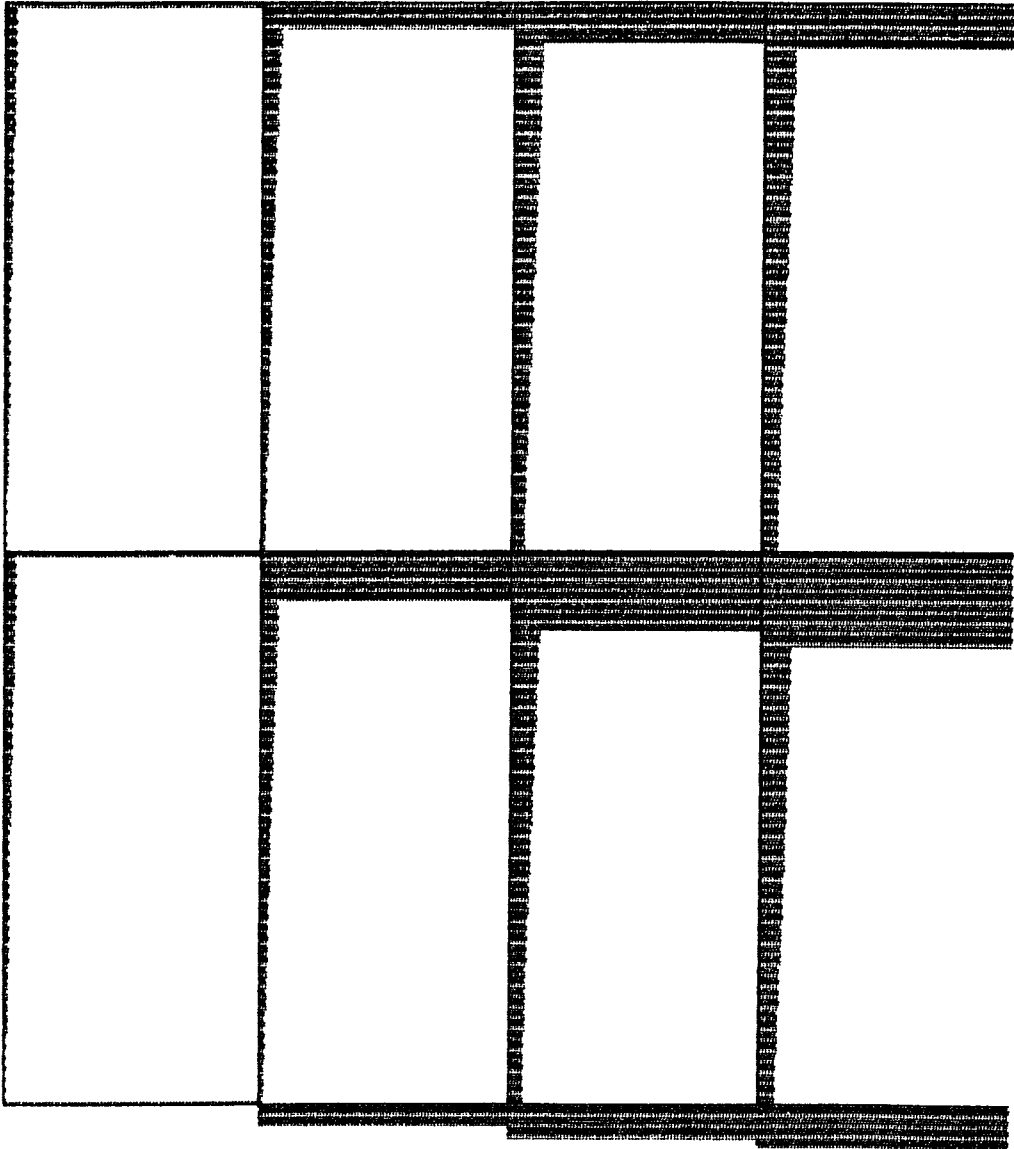
AT 10.60

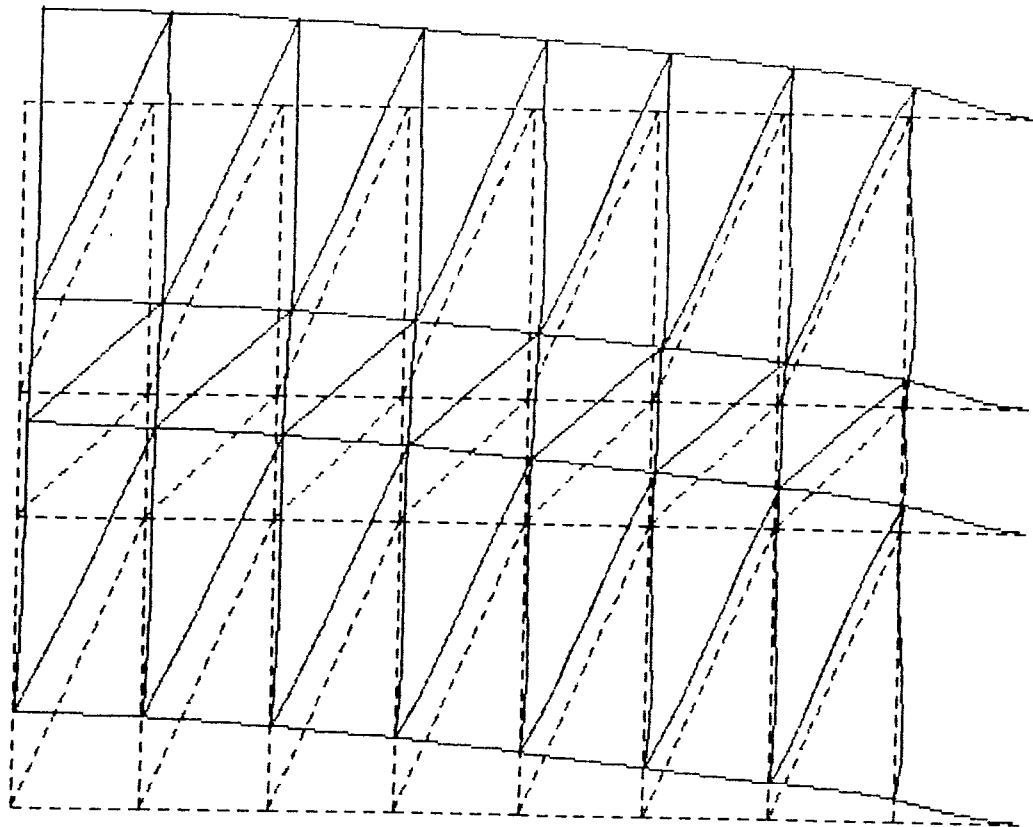
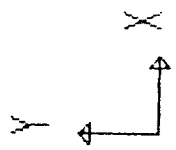
MAX < 2 >

.2019E+06

AT .00

SAP90

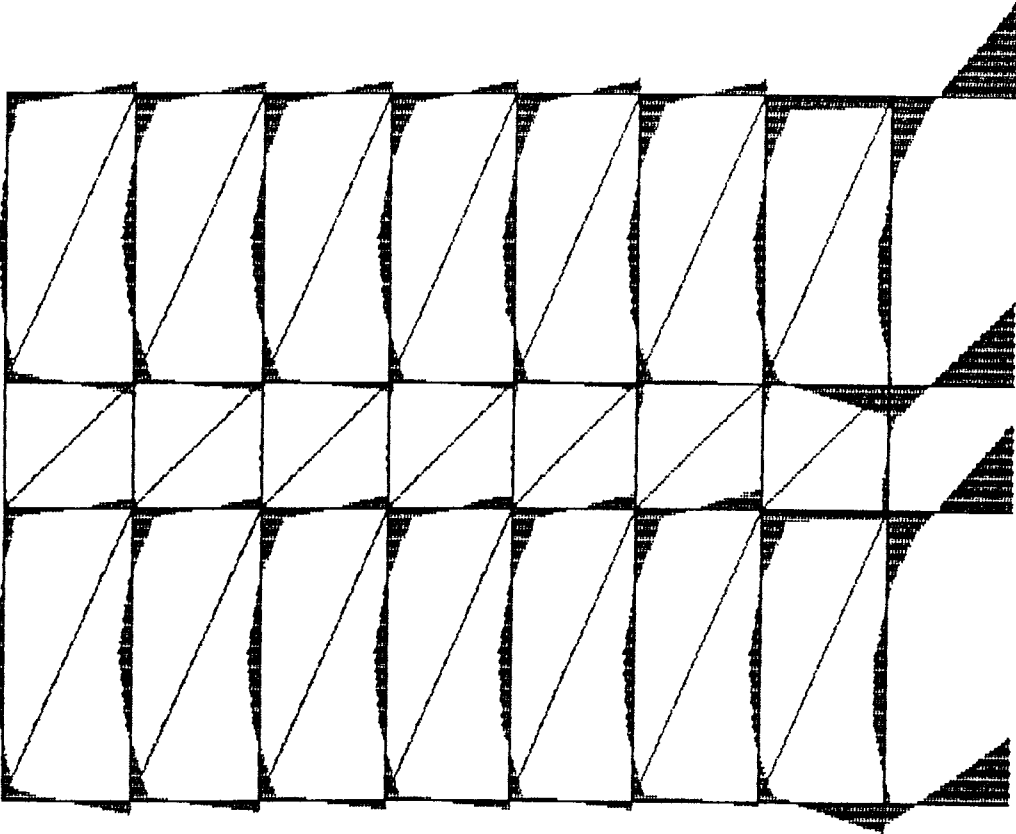
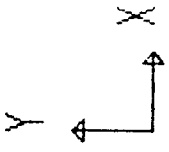




A-1
DEFORMED
SHAPE
LOAD 1

MINIMA
X .00000E+00
Y -.3292E-02
Z .00000E+00
MAXIMA
X .2010E-01
Y .00000E+00
Z .00000E+00

SAP90

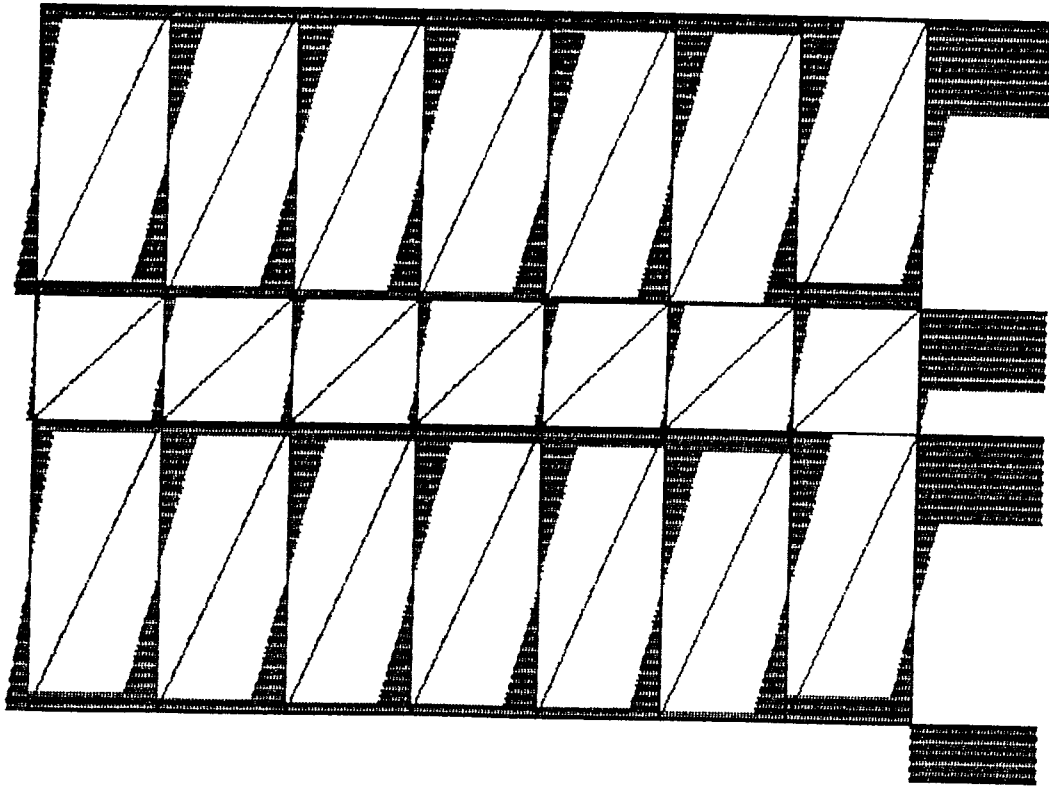
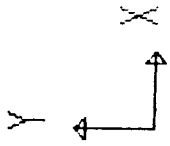


A-1
FRAME
OUTPUT M33
LOAD 1

ENVELOPES

MIN < 4>
-.5536E+05
AT .00
MAX < 4>
.3041E+05
AT 3.00

SAP90



A-1

FRAME

OUTPUT V22

LOAD 1

ENVELOPES

MIN < 35 >

- .1428E+05

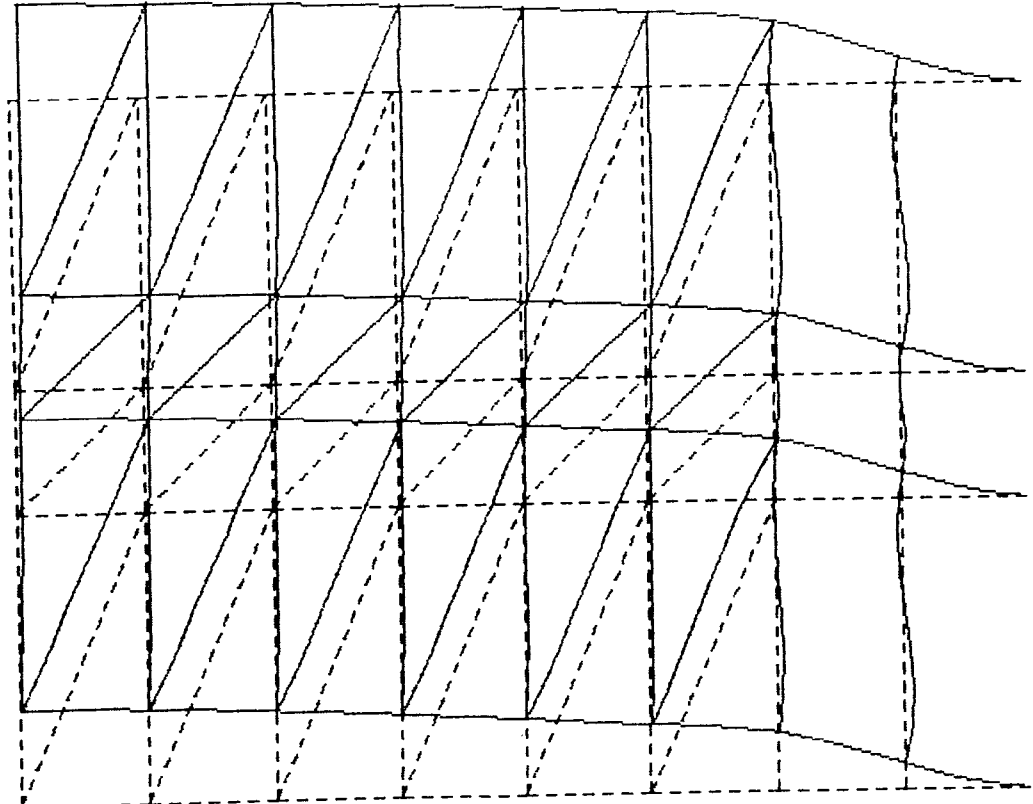
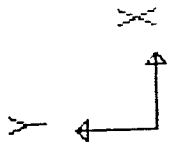
AT 7.00

MAX < 4 >

.2859E+05

AT .00

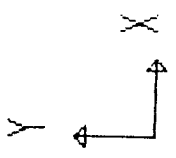
SAP90



A-2
DEFORMED
SHAPE
LOAD 1

MINIMA
X .00000E+00
Y -.3324E-02
Z .00000E+00
MAXIMA
X .3371E-01
Y .00000E+00
Z .00000E+00

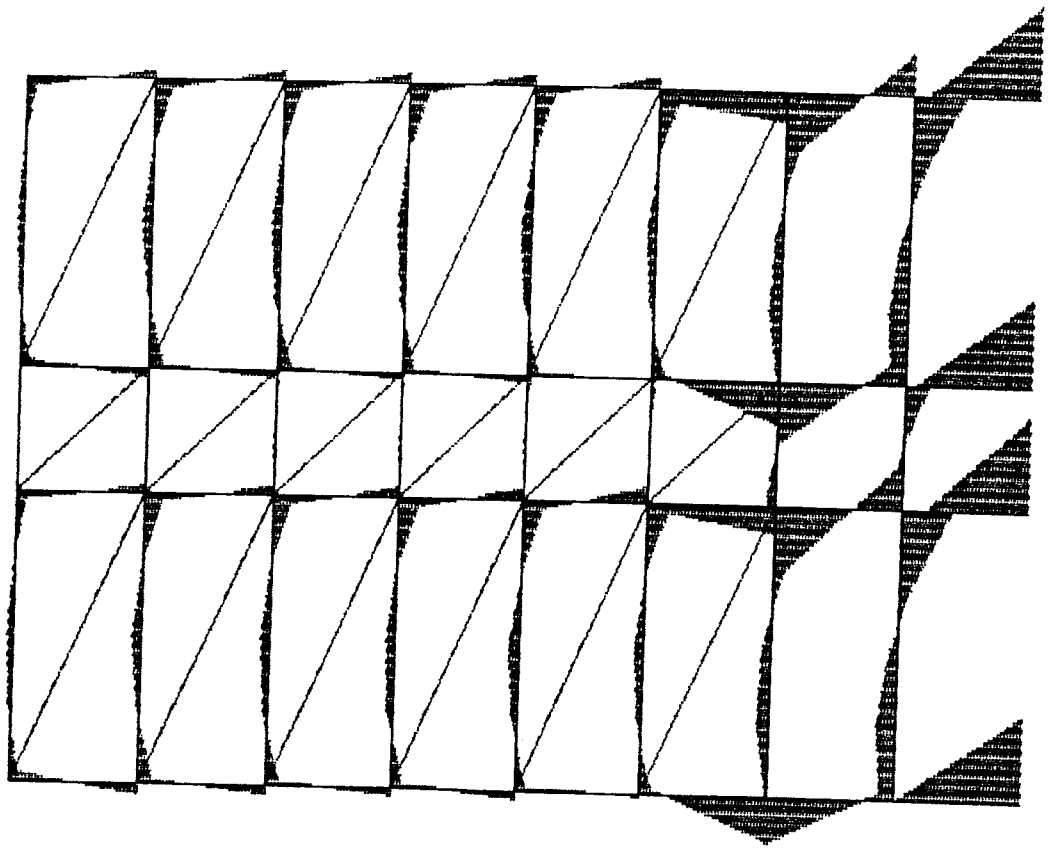
SAP90

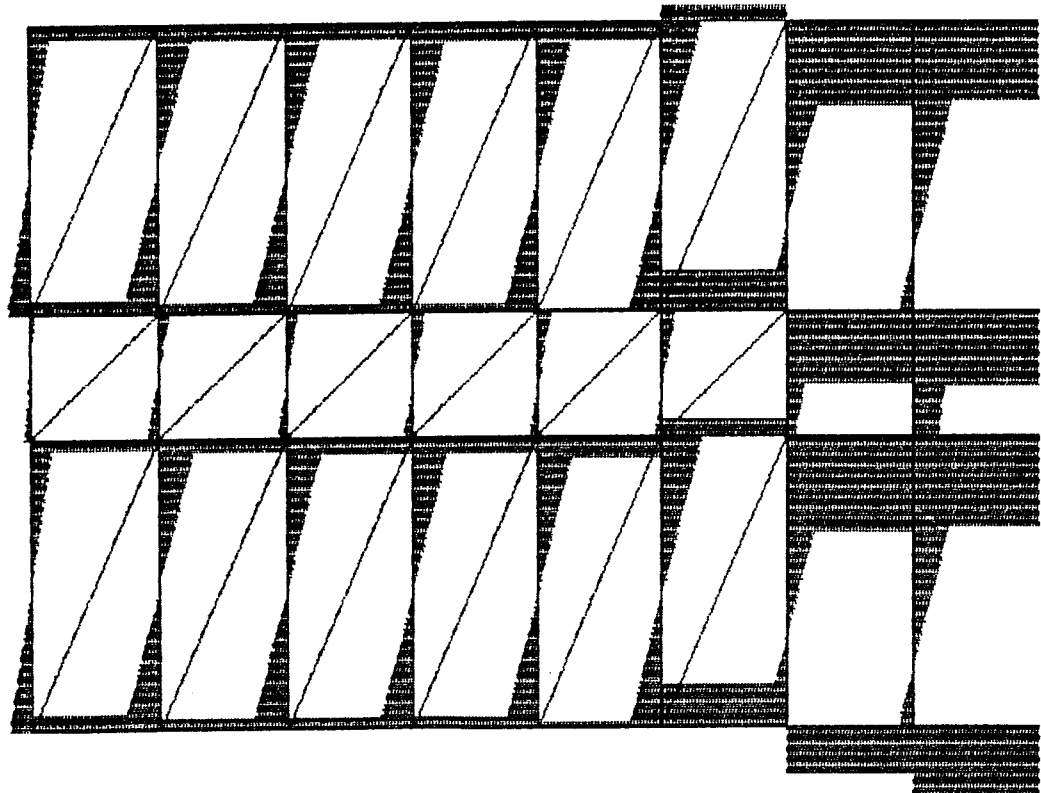
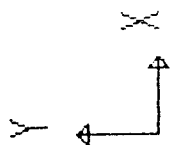


A-2
FRAME
OUTPUT M33
LOAD 1

ENVELOPES
MIN < 2>
-.6833E+05
AT .00
MAX < 6>
.5406E+05
AT 3.00

SAP90

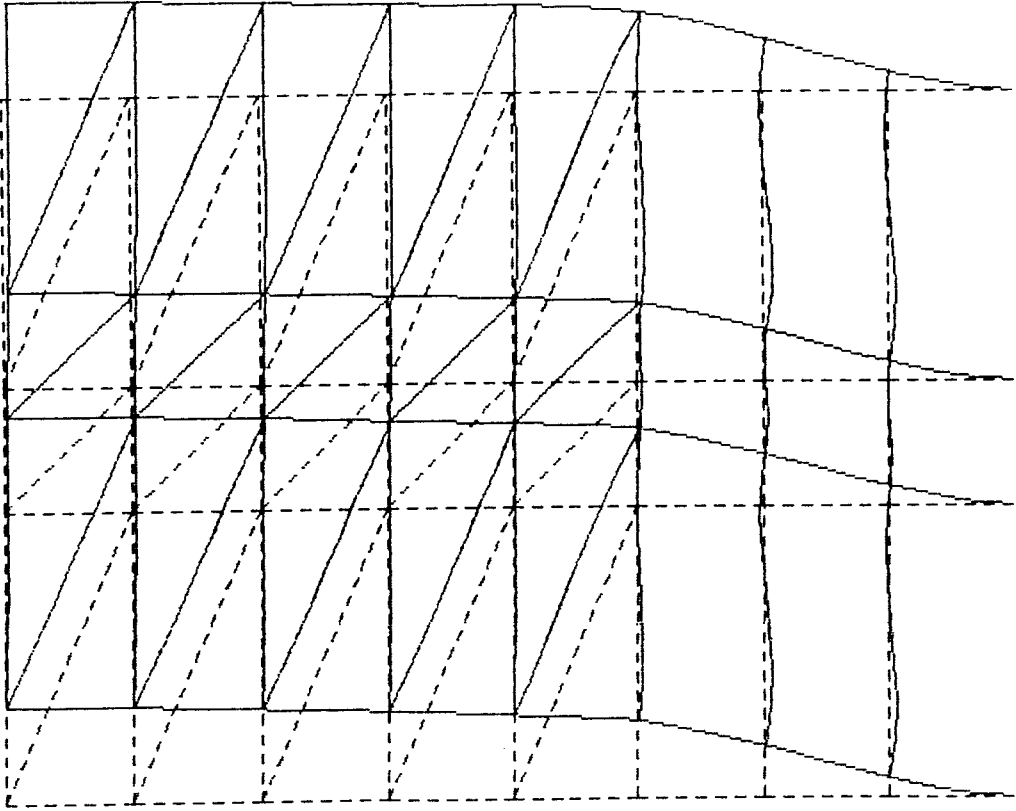
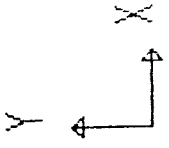




A-2
 FRAME
 OUTPUT V22
 LOAD 1

ENVELOPES
 MIN < 35 >
 - .1819E+05
 AT 7.00
 MAX < 6 >
 .2938E+05
 AT .00

SAP90



A-3

DEFORMED
SHAPE

LOAD 1

MINIMA

X .0000E+00

Y -.3359E-02

Z .0000E+00

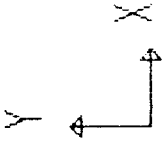
MAXIMA

X .5308E-01

Y .0000E+00

Z .0000E+00

SAP90



$\alpha=3$

FRAME

OUTPUT M33

LOAD 1

ENVELOPES

MIN < 2 >

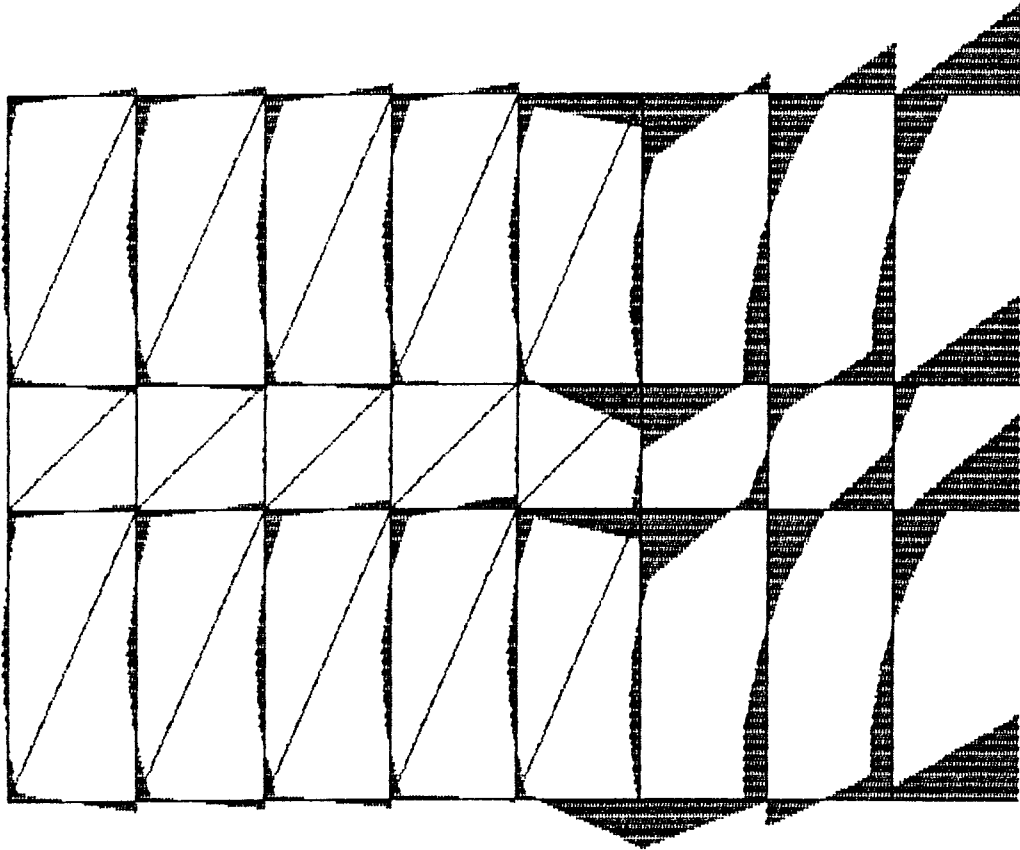
- .7527E+05

AT .00

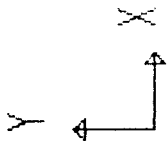
MAX < 10 >

.6103E+05

AT 3.00



SAP90



$\alpha=3$

FRAME

OUTPUT V22

LOAD 1

ENVELOPES

MIN < 38 >

- .2075E+05

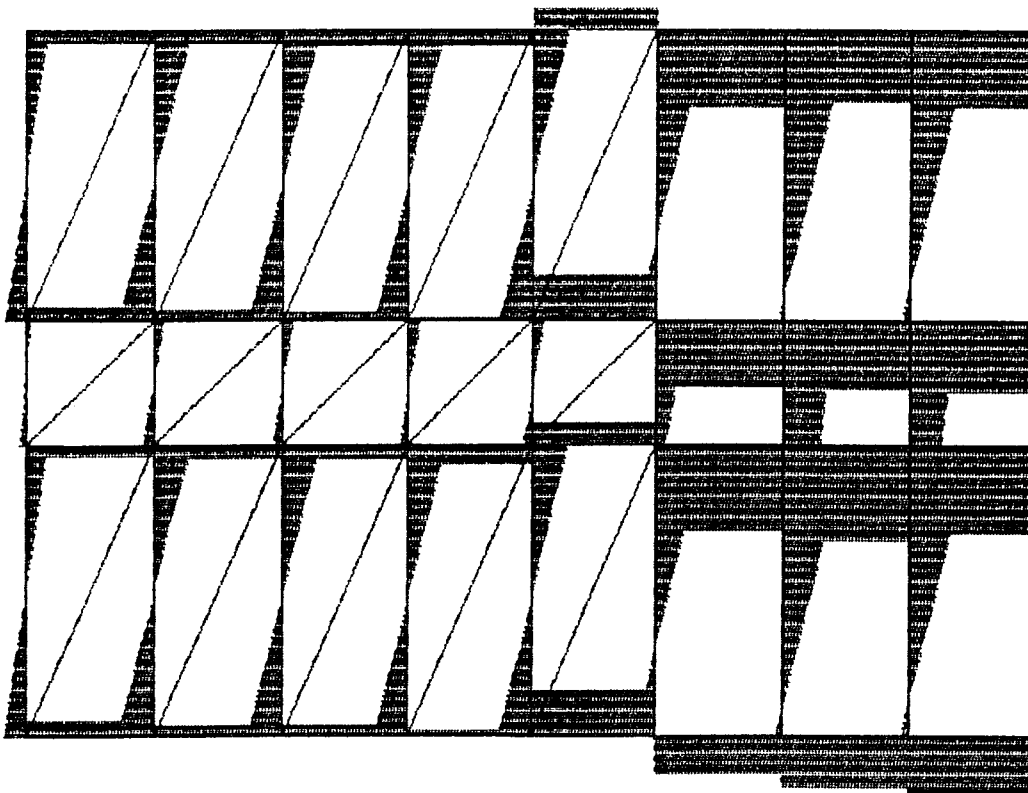
AT 7.00

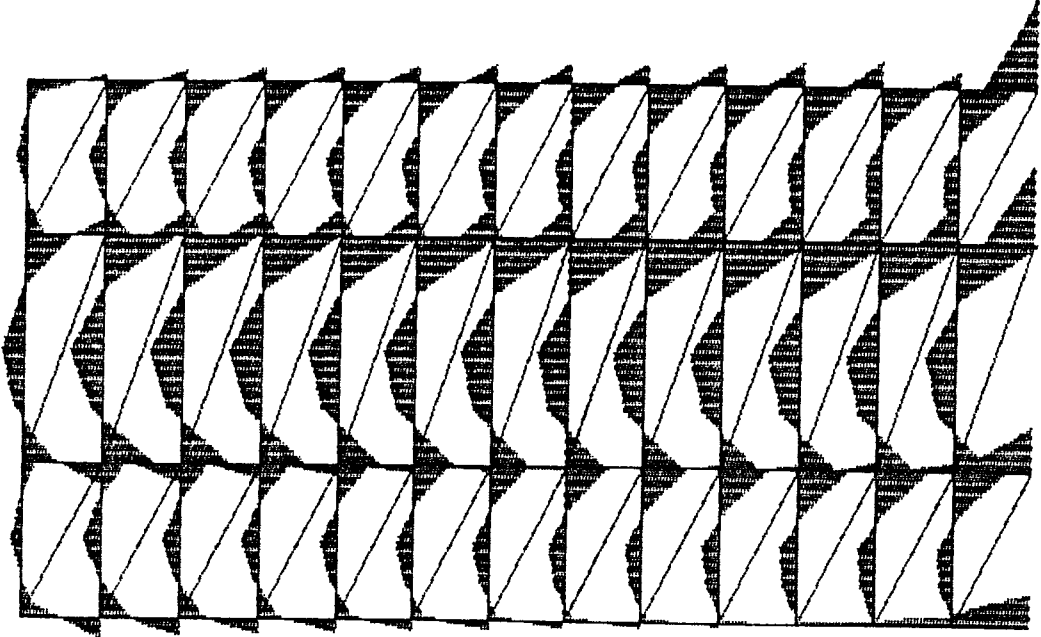
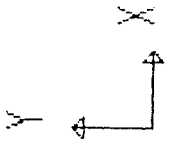
MAX < 6 >

.3050E+05

AT .00

SAP90

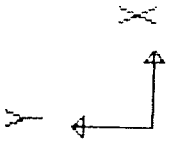




B-P
FRAME
OUTPUT M33
LOAD 1

ENVELOPES
MIN < 4>
-.9948E+05
AT .00
MAX < 15>
.4179E+05
AT 4.00

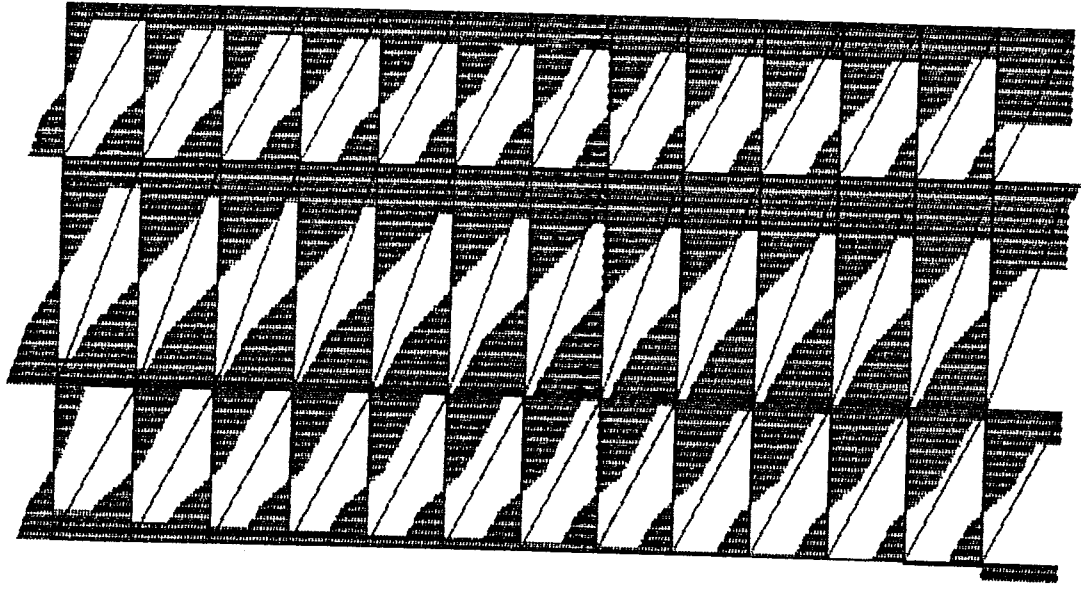
SAP90

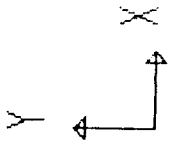


B-P
FRAME
OUTPUT V22
LOAD I

ENVELOPES
MIN < 63>
- .3321E+05
AT 12.00
MAX < 4>
.3495E+05
AT .00

SAP90





B-K

FRAME

OUTPUT M33

LOAD 1

ENVELOPES

MIN < 3>

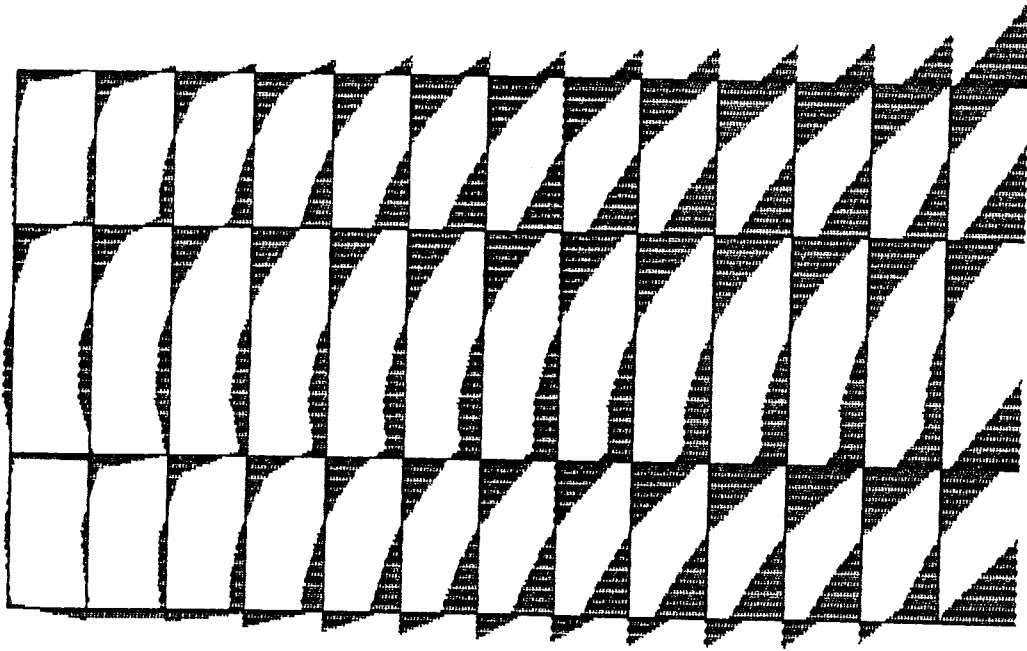
-.2956E+06

AT .00

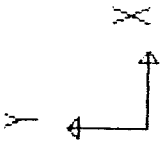
MAX < 15>

.1975E+06

AT 4.00



SAP90



B-K

FRAME

OUTPUT V22

LOAD I

ENVELOPES

MIN < 61 >

-.6961E+05

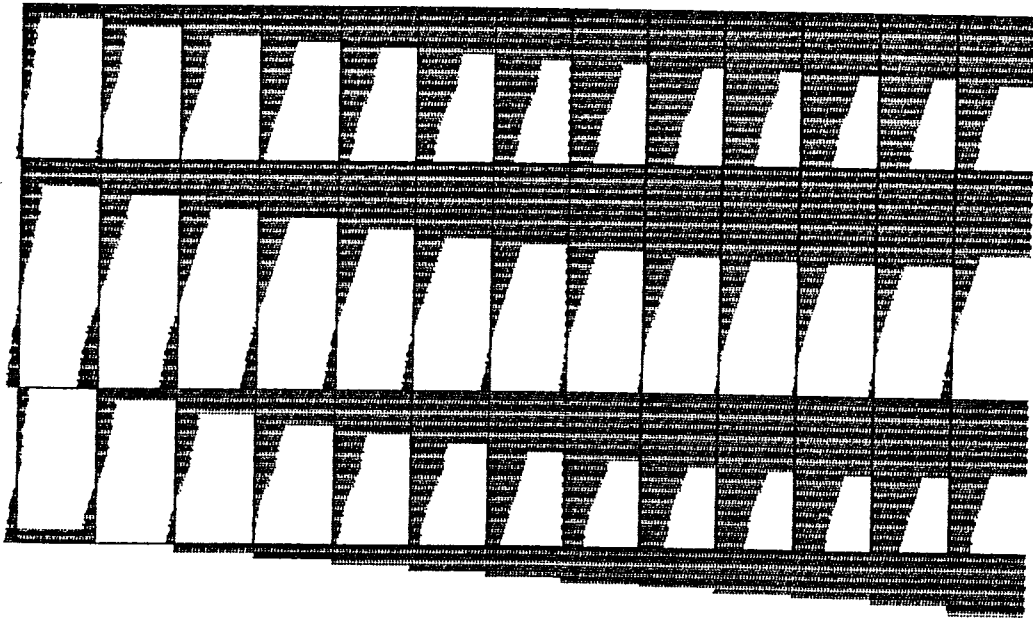
AT 8.00

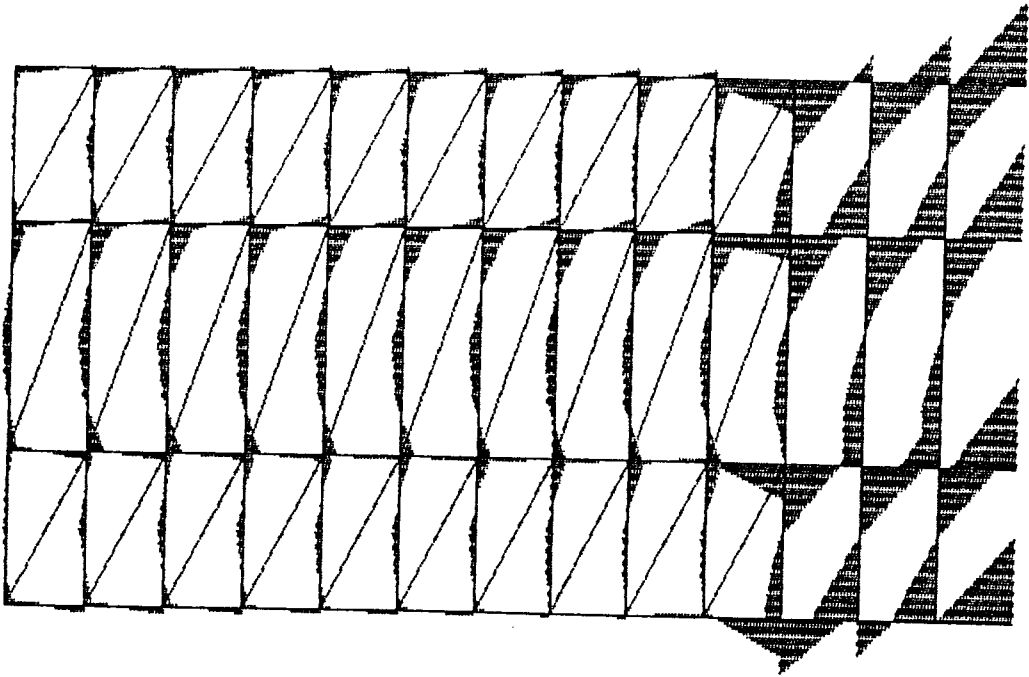
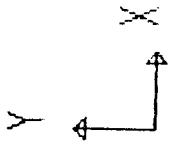
MAX < 11 >

.9950E+05

AT .00

SAP90





B-3

FRAME

OUTPUT M33

LOAD 1

ENVELOPES

MIN < 3 >

- .3001E+06

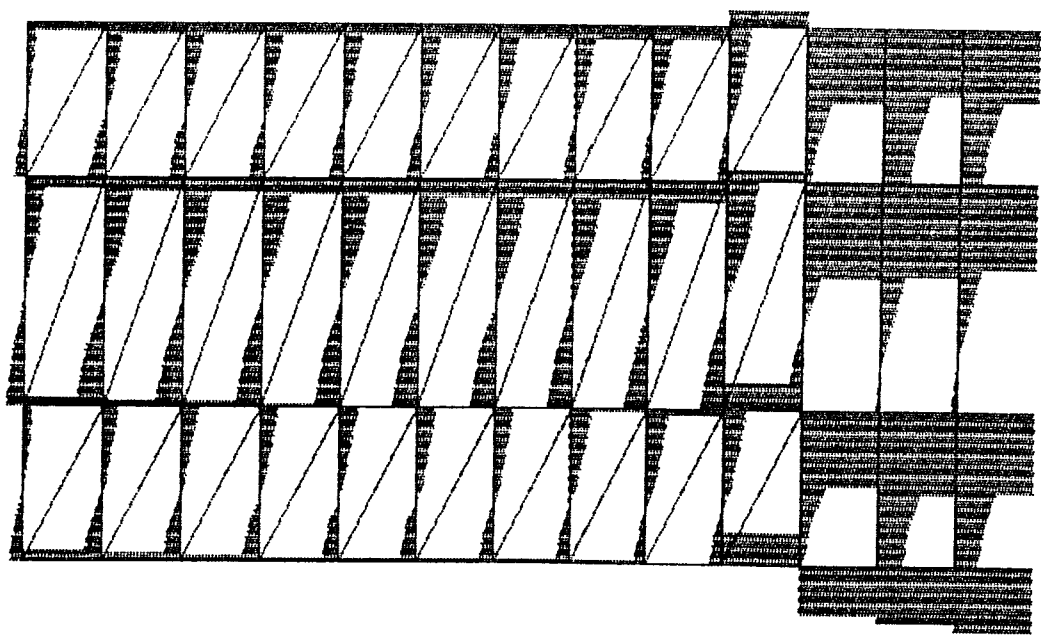
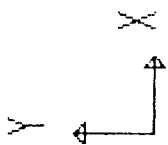
AT .00

MAX < 11 >

.2657E+06

AT 4.00

SAP90



B-3

FRAME

OUTPUT V22

LOAD 1

ENVELOPES

MIN < 58 >

- .5873E+05

AT 8.00

MAX < 11 >

.1014E+06

AT .00

SAP90

