

LAMPIRAN

DAFTAR GAMBAR

TUGAS AKHIR PERBANDINGAN PERENCANAAN STRUKTUR GEDUNG SRPMK MENGUNAKAN *ETABS* DAN *TEKLA STRUCTURAL DESIGNER*

NAMA: RIZKI ARDIYANSAH
NIM: 3336210023



UNIV. SULTAN AGENG
TIRTAYASA
FAKULTAS TEKNIK
JURUSAN TEKNIK SIPIL
PRODI S1

TUGAS AKHIR

PERBANDINGAN
PERANCANGAN STRUKTUR
GEDUNG SRPMK
MENGUNAKAN *ETABS* DAN
TEKLA STRUCTURAL DESIGNER

NAMA		NIM	
Rizki Ardiyansah		3336210023	
DIPERIKSA		TGL/PARAF	
DOSEN PEMBIMBING 1 BAEHAKI S.T.M.ENG			
DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. M.ENG			
DISETUJUI		TGL/PARAF	
DOSEN PEMBIMBING 1 BAEHAKI S.T.M.ENG			
DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. M.ENG			
CATATAN			
GAMBAR		SKALA	
COVER			
DIGAMBAR	TGL	PARAF	
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DAFTAR ISI		
Halaman	Judul Gambar	Skala
00	COVER	-
01	DAFTAR ISI	-
02	DENAH KOLOM BALOK PELAT LT 1-4	1:150
03	DENAH KOLOM BALOK PELAT LT 5	1:150
04	DENAH KOLOM BALOK PELAT LT 6-9	1:150
05	DENAH BALOK PELAT LT 10	1:150
06	POTONGAN A-A & POTONGAN 1-1	1:200
07	DENAH DAN POTONGAN PELAT (GRID 23/A-23/B LT 10)	As Indicated
08	POTONGAN DAN DETAIL BALOK B1 (GRID 2/C-D LT 1)	As Indicated
09	POTONGAN DAN DETAIL KOLOM K1 (GRID 2/D LT 1)	As Indicated
10	POTONGAN DAN DETAIL HBK (GRID 2/D LT 2)	As Indicated

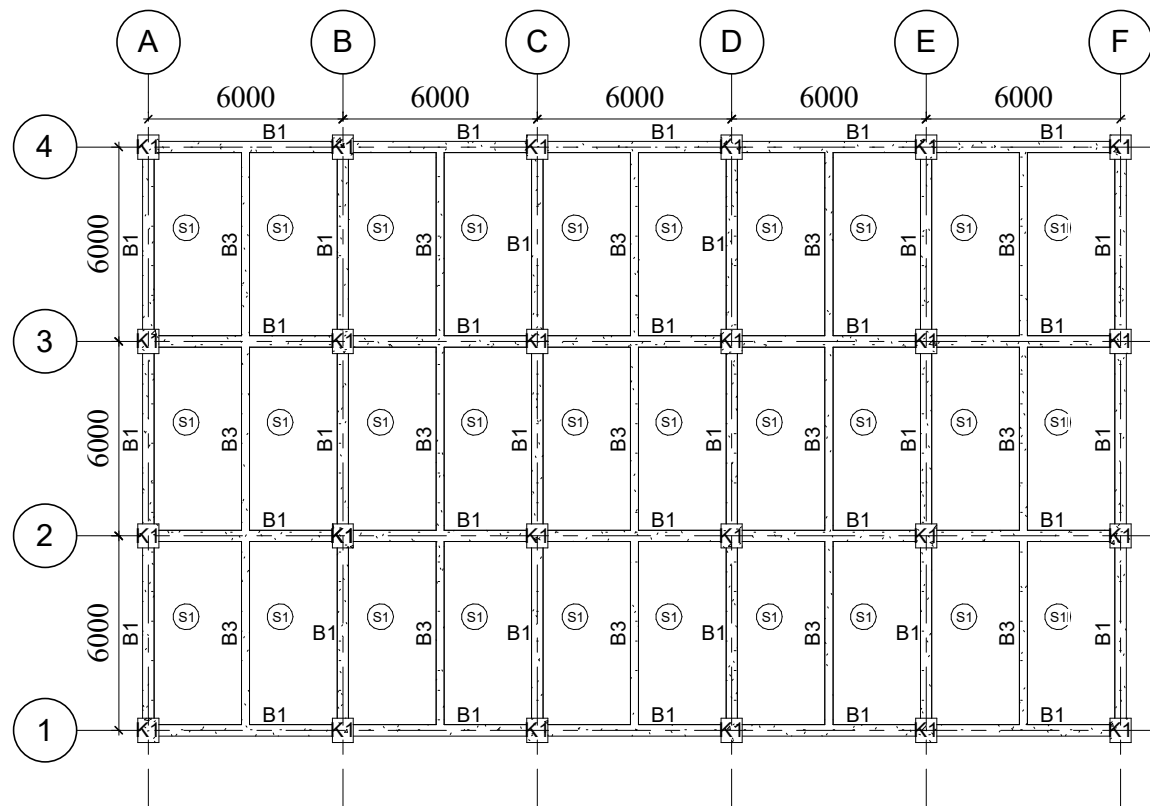


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PRODI SI

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DISETUJUI		TGL/PARAF	
DOSEN PEMBIMBING 1 BAEHAKI S.T.M.ENG			
DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. MENG			
CATATAN			
GAMBAR		SKALA	
DAFTAR ISI			
DIGAMBAR	TGL	PARAF	
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JML. LBR.	NO. LBR	KODE	
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1 **DENAH KOLOM BALOK PELAT LT 1-4**
1 : 150

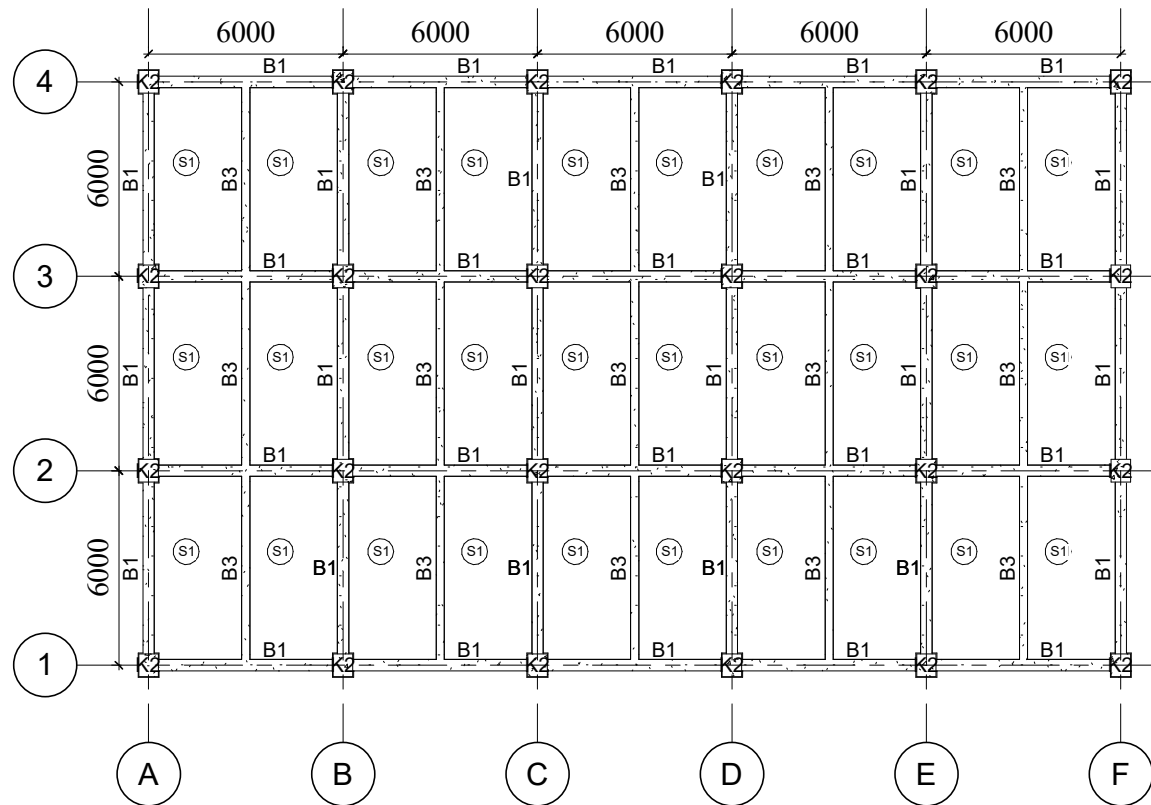


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DISETUJUI		TGL/PARAF
DOSEN PEMBIMBING 1 BAEHAKI S.T.M.ENG		
DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. MENG		
CATATAN		
GAMBAR		SKALA
DENAH KOLOM BALOK PELAT LT 1-4		1 : 150
DIGAMBAR	TGL	PARAF
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1 DENAH KOLOM BALOK PELAT LT 5
1 : 150



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GEDUNG SRPMK
MENGUNAKAN ETABS DAN
TEKLA STRUCTURAL DESIGNER

NAMA	NIM
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Rizki Ardiyansah	3336210023
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DIPERIKSA	TGL/PARAF
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DOSEN PEMBIMBING 1	
-----------------------	--

BAHAKI S.T.M.ENG

DOSEN PEMBIMBING 2	
-----------------------	--

DR. SOELARSO, S.T. M.ENG

DISETUJUI	TGL/PARAF
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DOSEN PEMBIMBING 1	
-----------------------	--

BAHAKI S.T.M.ENG

DOSEN PEMBIMBING 2	
-----------------------	--

DR. SOELARSO, S.T. M.ENG

CATATAN

GAMBAR	SKALA
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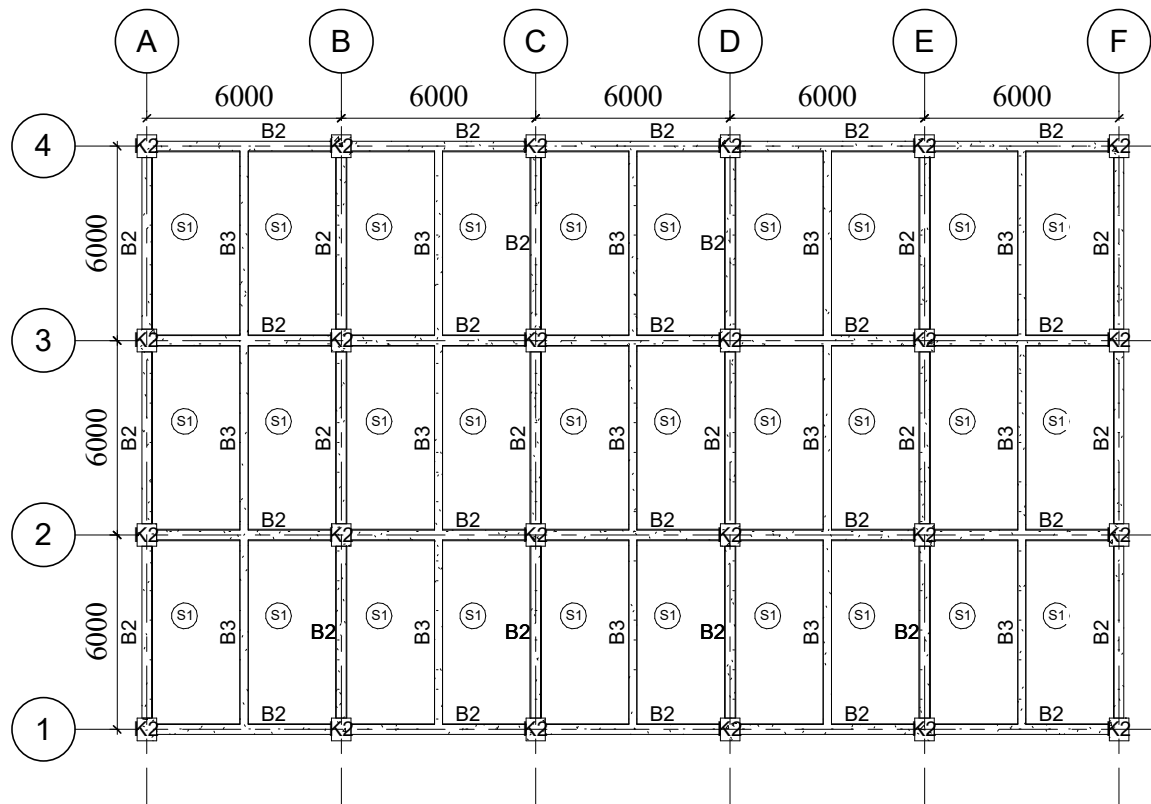
DENAH KOLOM BALOK PELAT LT 5	1 : 150
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DIGAMBAR	TGL	PARAF
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	03	STR
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1 DENAH KOLOM BALOK PELAT LT 6-9
1 : 150



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NAMA	NIM
Rizki Ardiyansah	3336210023

DIPERIKSA	TGL/PARAF
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DOSEN PEMBIMBING 1	
BADHAKI S.T.M.ENG	

DOSEN PEMBIMBING 2	
DR. SOELARSO, S.T. M.ENG	

DISETUJUI	TGL/PARAF
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DOSEN PEMBIMBING 1	
BADHAKI S.T.M.ENG	

DOSEN PEMBIMBING 2	
DR. SOELARSO, S.T. M.ENG	

CATATAN

GAMBAR	SKALA
DENAH KOLOM BALOK PELAT LT 6-9	1 : 150

DIGAMBAR	TGL	PARAF
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TEKLA STRUCTURAL DESIGNER

NAMA	NIM
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Rizki Ardiyansah	3336210023
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DIPERIKSA	TGL/PARAF
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DOSEN PEMBIMBING 1	
-----------------------	--

BAHAKI S.T.M.ENG

DOSEN PEMBIMBING 2	
-----------------------	--

DR. SOELARSO, S.T. M.ENG

DISETUJUI	TGL/PARAF
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DOSEN PEMBIMBING 1	
-----------------------	--

BAHAKI S.T.M.ENG

DOSEN PEMBIMBING 2	
-----------------------	--

DR. SOELARSO, S.T. M.ENG

CATATAN

GAMBAR	SKALA
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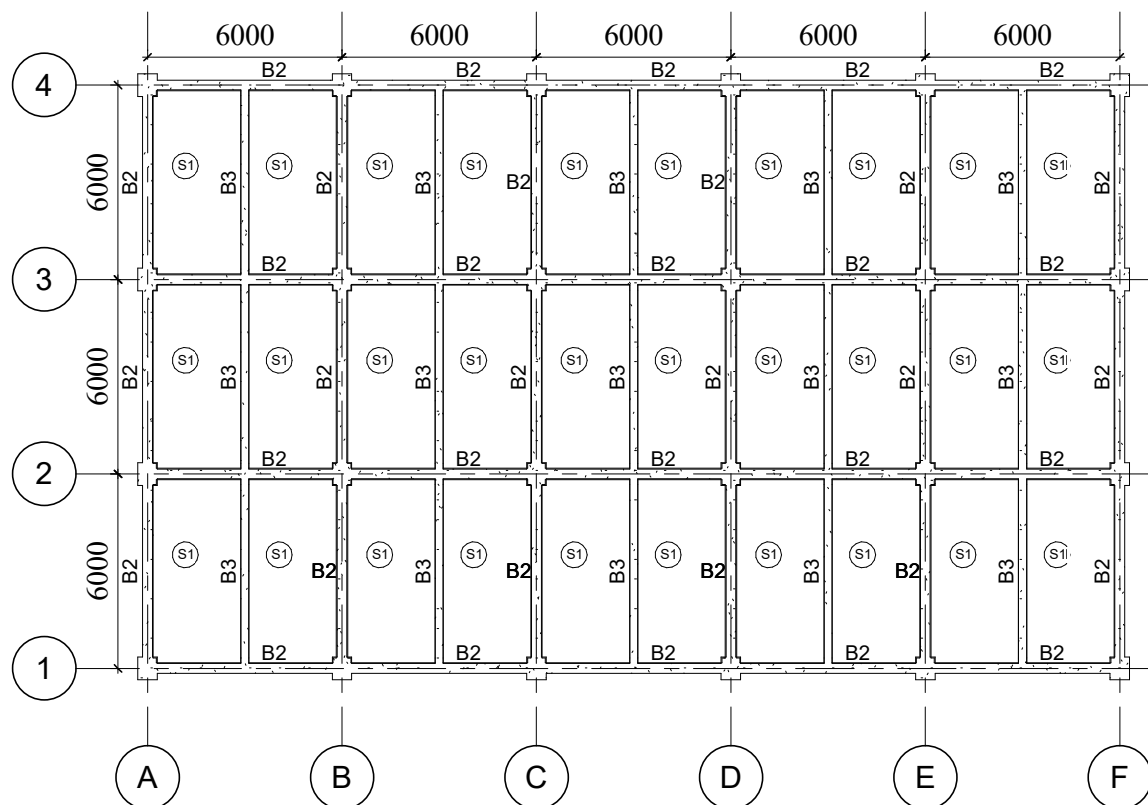
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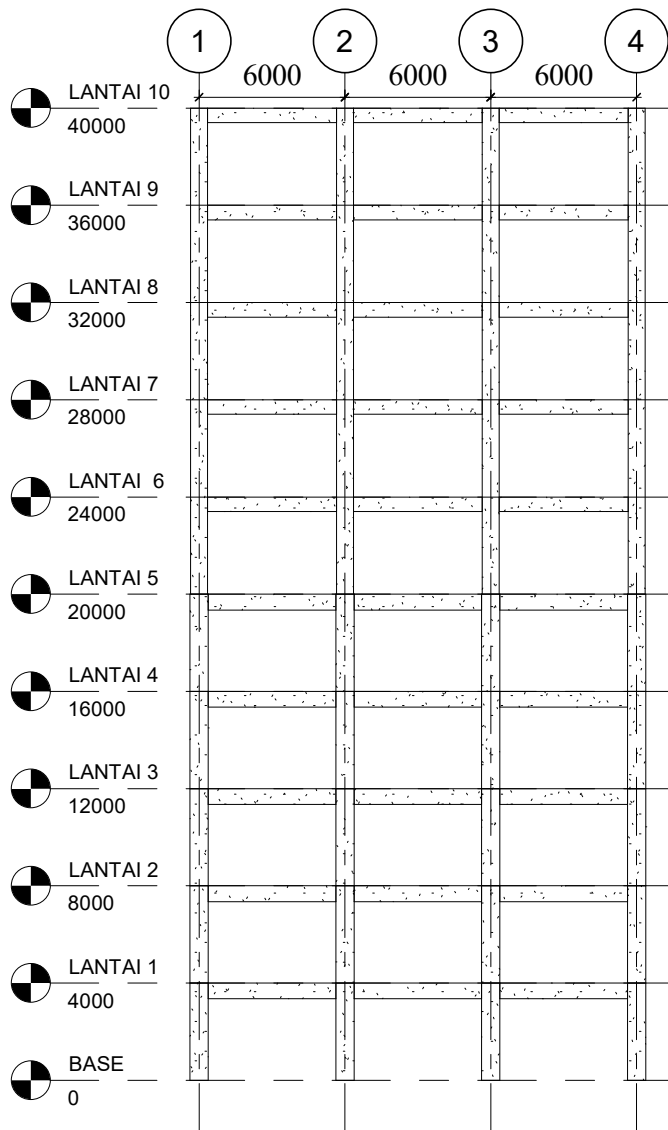
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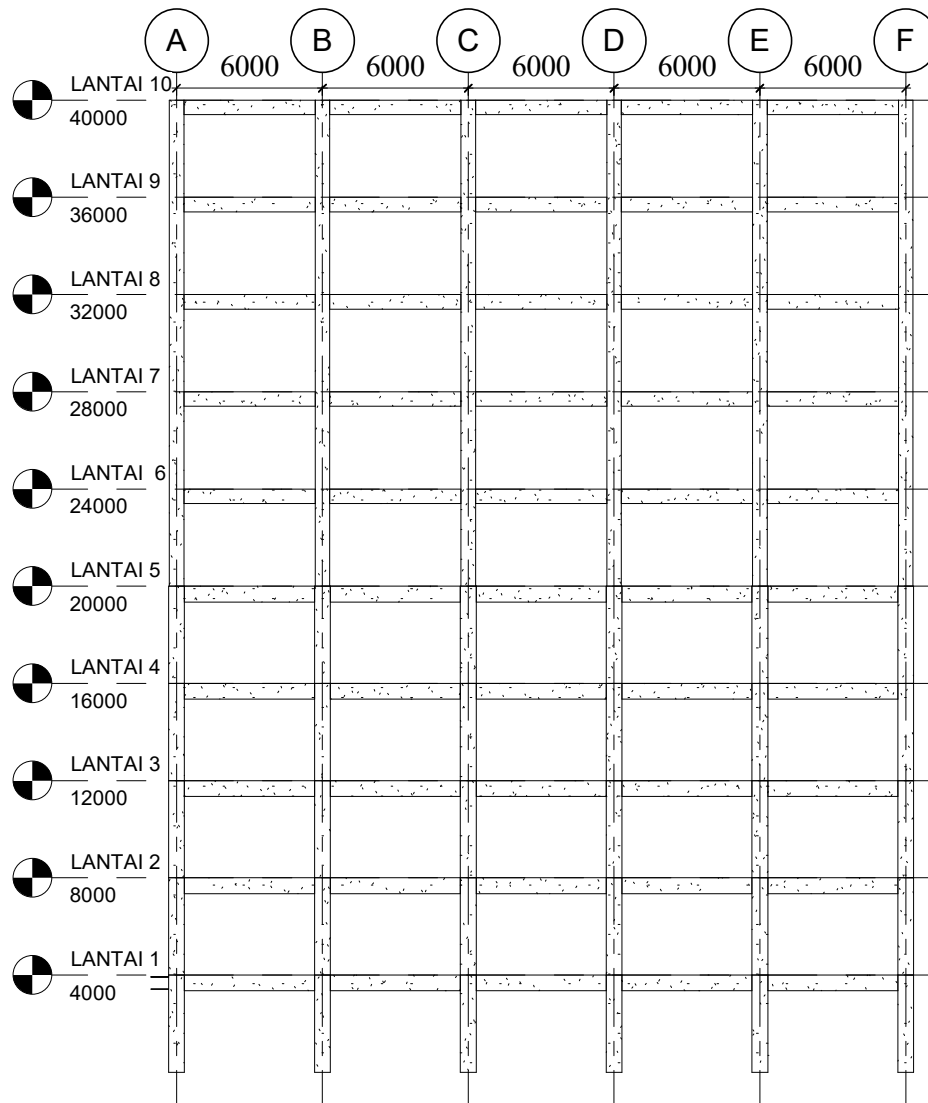
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1 DENAH BALOK PELAT LT 10
1 : 150



1 POTONGAN A-A
1 : 200



2 POTONGAN 1-1
1 : 200



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Rizki Ardiyansah	3336210023

DIPERIKSA	TGL/PARAF
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DOSEN
PEMBIMBING 1
BAHAKI S.T.MENG

DOSEN
PEMBIMBING 2
DR. SOELARSO, S.T. MENG

DISETUJUI	TGL/PARAF
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DOSEN
PEMBIMBING 1
BAHAKI S.T.MENG

DOSEN
PEMBIMBING 2
DR. SOELARSO, S.T. MENG

CATATAN

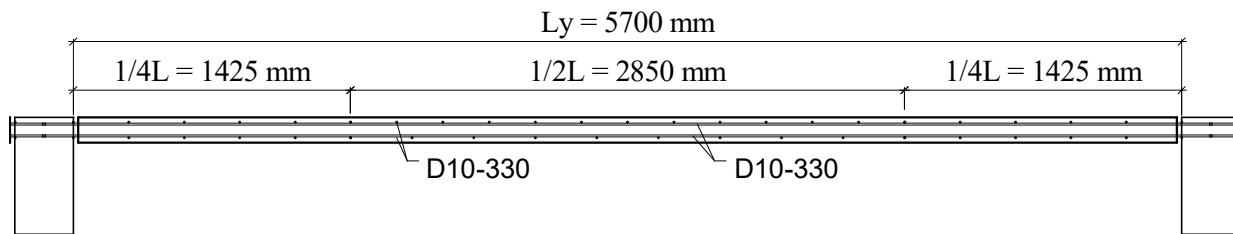
GAMBAR	SKALA
POTONGAN A-A & POTONGAN 1-1	1 : 200

DIGAMBAR	TGL	PARAF
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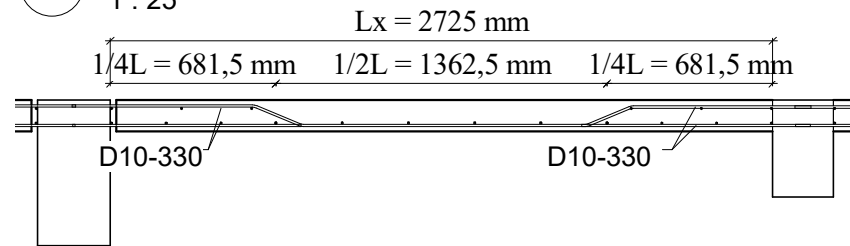
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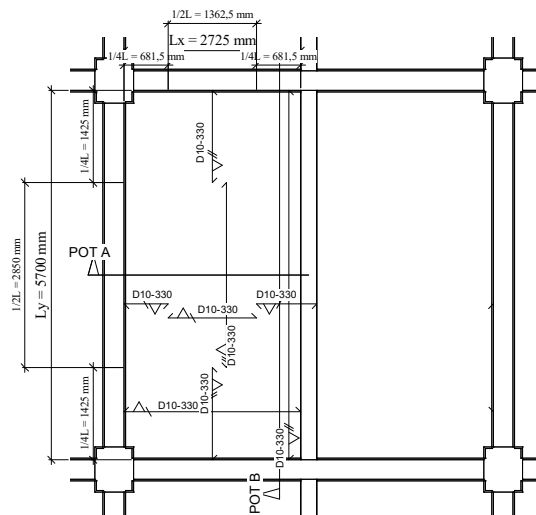
3 Potongan Pelat Arah Y

1 : 25



2 Potongan Pelat Arah X

1 : 20



1

Denah Tul Pelat

1 : 75



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DOSEN PEMBIMBING 2	
DR. SOELARSO, S.T. M.ENG	

CATATAN

GAMBAR	SKALA
DENAH DAN POTONGAN PELAT (GRID 23/A-23/B LT 10)	As indicated

DIGAMBAR	TGL	PARAF
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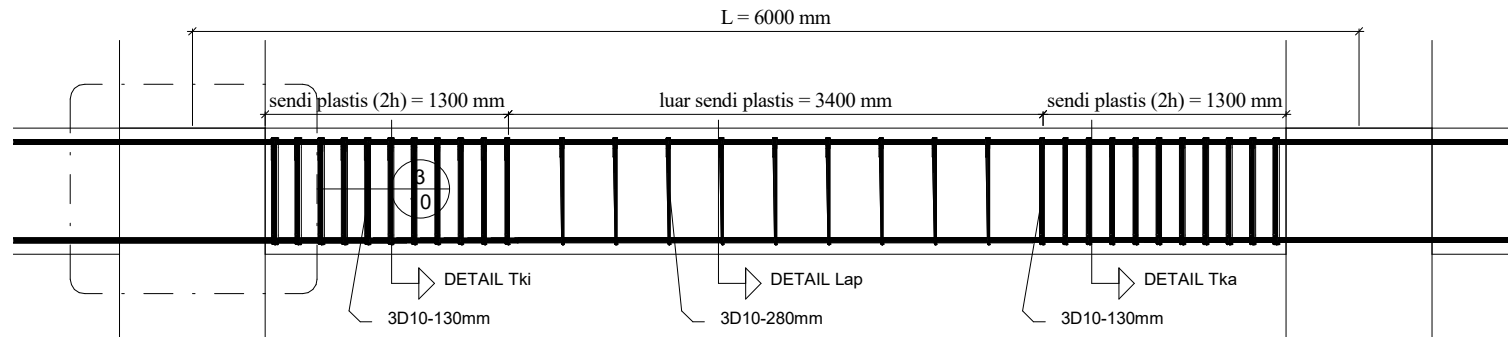
TUGAS AKHIR

PERBANDINGAN
PERANCANGAN STRUKTUR
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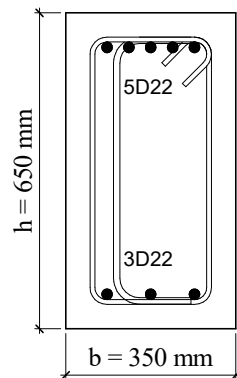
NAMA	NIM
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DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. M.ENG	

CATATAN

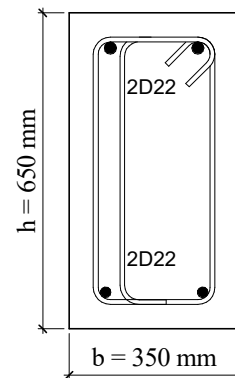
GAMBAR	SKALA	
POTONGAN DAN DETAIL BALOK B1 (GRID 2/C-D LT 1)	As indicated	
DIGAMBAR	TGL	PARAF
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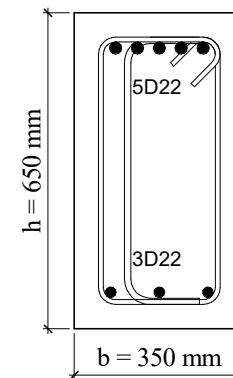
1 Potongan B1
1 : 25



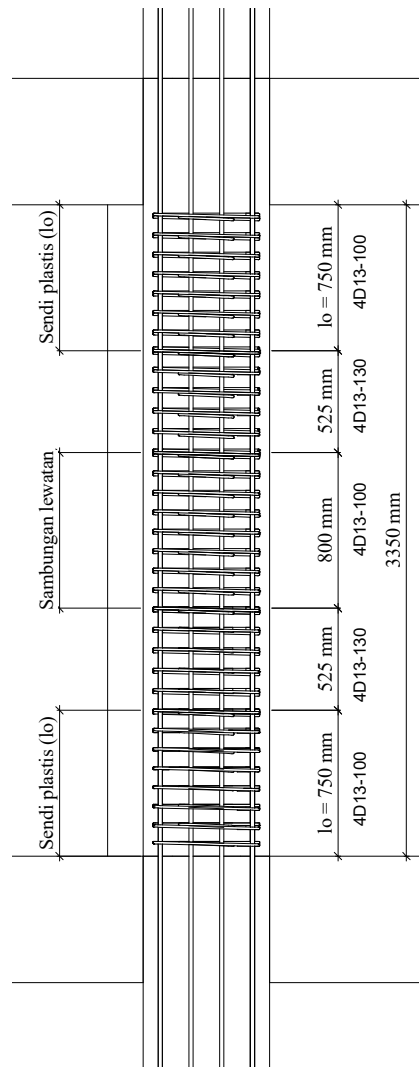
2 Detail B1 TKI
1 : 10



3 Detail B1 LAP
1 : 10

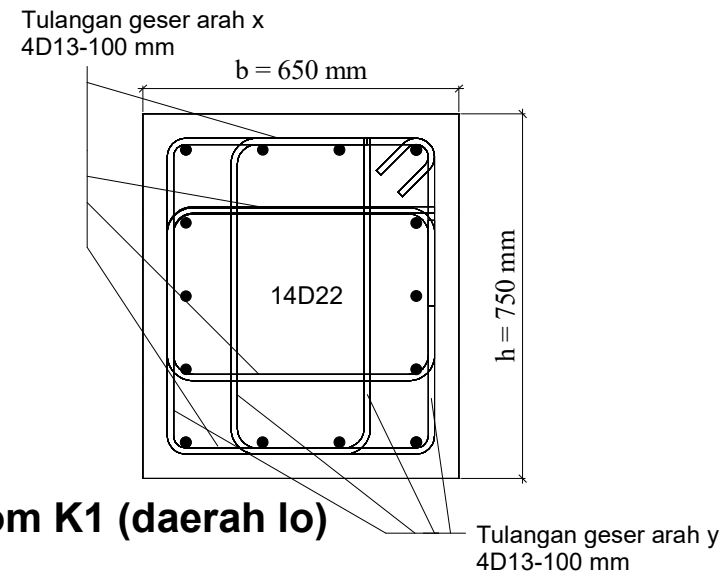


4 Detail B1 TKA
1 : 10

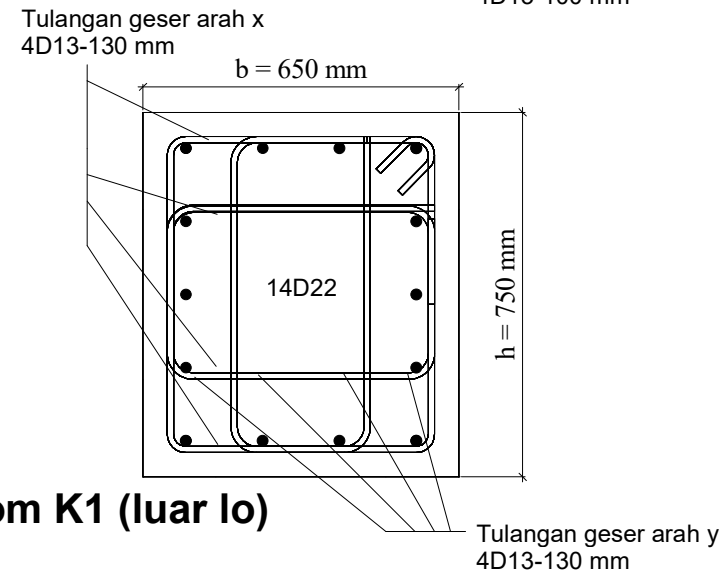


1 Potongan Kolom 2/D LT 1
1 : 25

2 Detail Kolom K1 (daerah lo)
1 : 10



3 Detail Kolom K1 (luar lo)
1 : 10



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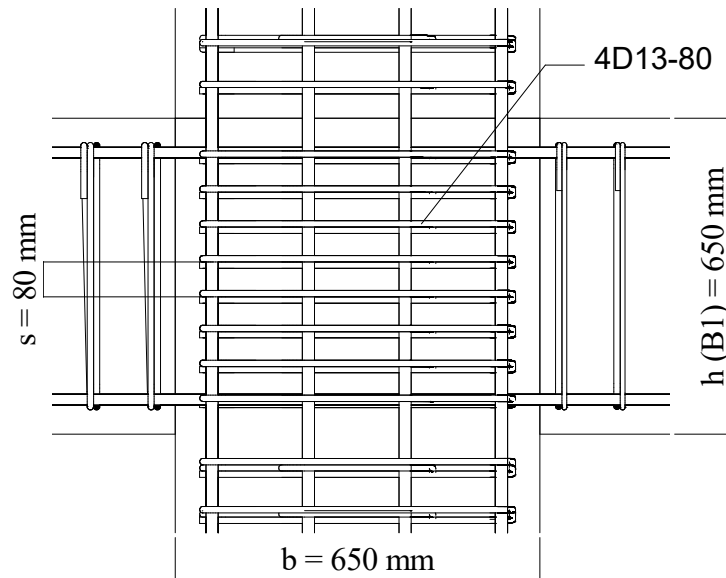
TUGAS AKHIR

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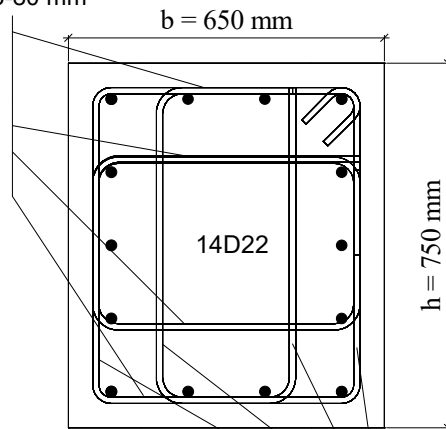
CATATAN

GAMBAR		SKALA
POTONGAN DAN DETAIL KOLOM K1 (GRID 2/D LT 1)		As indicated
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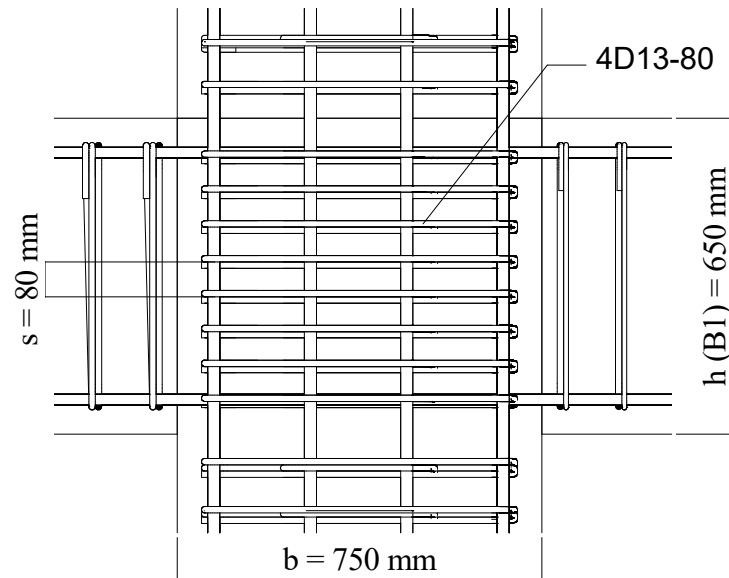
2 Potongan Joint Arah X
1 : 10

Tulangan geser arah x
4D13-80 mm

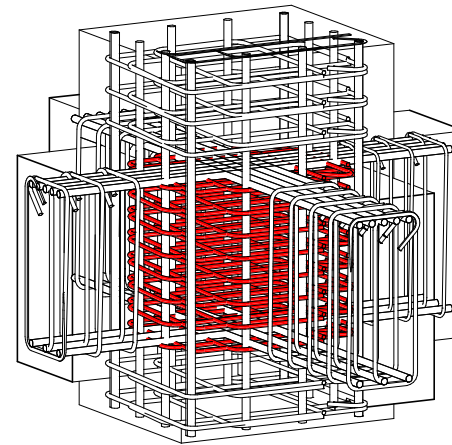


1 Detail HKB
1 : 10

Tulangan geser arah y
4D13-80 mm



3 Potongan Joint Arah Y
1 : 10



4 3D Joint



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DOSEN PEMBIMBING 2 DR. SOELARSO, S.T. M.ENG	

CATATAN

GAMBAR		SKALA
POTONGAN DAN DETAIL HBK (GRID 2/D LT 2)		1 : 10
DIGAMBAR	TGL	PARAF
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LAMPIRAN TABEL *ELEMEN FORCE – BEAM (GRID 2/C-D LT 1) (ETABS)*

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	1,2D + 1L	Combination			1,000	0	-95,1768	0	0,3551	0	-47,5776	171-2	0
Story1	B13	171	1,2D + 1L	Combination			5,000	0	95,1768	0	-0,3551	0	-47,5776	171-5	1
Story1	B13	171	1,2D + 1L	Combination			1,000	0	-109,676	0	0,3338	0	-47,7319	171-1	1
Story1	B13	171	1,2D + 1L	Combination			5,000	0	109,6759	0	-0,3338	0	-47,7319	171-6	0
Story1	B13	171	1,2D + 1L	Combination			0,663	0	-111,845	0	0,3338	0	-85,1135	171-1	0,6625
Story1	B13	171	1,2D + 1L	Combination			5,338	0	111,8445	0	-0,3338	0	-85,1135	171-6	0,3375
Story1	B13	171	1,2D + 1L	Combination			0,325	0	-114,013	0	0,3338	0	-123,227	171-1	0,325
Story1	B13	171	1,2D + 1L	Combination			5,675	0	114,013	0	-0,3338	0	-123,227	171-6	0,675
Story1	B13	171	1,2D + 1L	Combination			4,500	0	91,9642	0	-0,3551	0	-0,7923	171-5	0,5
Story1	B13	171	1,2D + 1L	Combination			4,000	0	88,7515	0	-0,3551	0	44,3866	171-5	0
Story1	B13	171	1,2D + 1L	Combination			4,000	0	74,0321	0	-0,3322	0	44,2635	171-4	1
Story1	B13	171	1,2D + 1L	Combination			3,500	0	70,8195	0	-0,3322	0	80,4764	171-4	0,5
Story1	B13	171	1,2D + 1L	Combination			3,000	0	67,6068	0	-0,3322	0	115,083	171-4	0
Story1	B13	171	1,2D + 1L	Combination			3,000	0	-67,6068	0	0,3322	0	115,083	171-3	1
Story1	B13	171	1,2D + 1L	Combination			2,500	0	-70,8195	0	0,3322	0	80,4764	171-3	0,5
Story1	B13	171	1,2D + 1L	Combination			2,000	0	-74,0321	0	0,3322	0	44,2635	171-3	0
Story1	B13	171	1,2D + 1L	Combination			2,000	0	-88,7515	0	0,3551	0	44,3866	171-2	1
Story1	B13	171	1,2D + 1L	Combination			1,500	0	-91,9642	0	0,3551	0	-0,7923	171-2	0,5
Story1	B13	171	Comb1	Combination			2,000	0	-76,193	0	0,299	0	38,6493	171-2	1
Story1	B13	171	Comb1	Combination			1,500	0	-79,9411	0	0,299	0	-0,3842	171-2	0,5
Story1	B13	171	Comb1	Combination			3,000	0	-57,0194	0	0,2797	0	99,3207	171-3	1
Story1	B13	171	Comb1	Combination			2,500	0	-60,7675	0	0,2797	0	69,8739	171-3	0,5
Story1	B13	171	Comb1	Combination			2,000	0	-64,5156	0	0,2797	0	38,5531	171-3	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb1	Combination			1,000	0	-83,6892	0	0,299	0	-41,2918	171-2	0
Story1	B13	171	Comb1	Combination			5,000	0	83,6892	0	-0,299	0	-41,2918	171-5	1
Story1	B13	171	Comb1	Combination			1,000	0	-95,1855	0	0,2814	0	-41,415	171-1	1
Story1	B13	171	Comb1	Combination			5,000	0	95,1855	0	-0,2814	0	-41,415	171-6	0
Story1	B13	171	Comb1	Combination			0,663	0	-97,7155	0	0,2814	0	-73,967	171-1	0,6625
Story1	B13	171	Comb1	Combination			5,338	0	97,7155	0	-0,2814	0	-73,967	171-6	0,3375
Story1	B13	171	Comb1	Combination			0,325	0	-100,246	0	0,2814	0	-107,373	171-1	0,325
Story1	B13	171	Comb1	Combination			5,675	0	100,2455	0	-0,2814	0	-107,373	171-6	0,675
Story1	B13	171	Comb1	Combination			4,000	0	64,5156	0	-0,2797	0	38,5531	171-4	1
Story1	B13	171	Comb1	Combination			3,500	0	60,7675	0	-0,2797	0	69,8739	171-4	0,5
Story1	B13	171	Comb1	Combination			3,000	0	57,0194	0	-0,2797	0	99,3207	171-4	0
Story1	B13	171	Comb1	Combination			4,500	0	79,9411	0	-0,299	0	-0,3842	171-5	0,5
Story1	B13	171	Comb1	Combination			4,000	0	76,193	0	-0,299	0	38,6493	171-5	0
Story1	B13	171	Comb10	Combination	Max		5,000	0	22,1623	0	-0,2856	0	113,1265	171-5	1
Story1	B13	171	Comb10	Combination	Max		5,000	0	37,5515	0	-0,2447	0	112,9602	171-6	0
Story1	B13	171	Comb10	Combination	Min		5,000	0	20,7976	0	-0,2913	0	110,3977	171-5	1
Story1	B13	171	Comb10	Combination	Min		5,000	0	36,1834	0	-0,2509	0	110,2315	171-6	0
Story1	B13	171	Comb10	Combination	Max		5,338	0	39,9604	0	-0,2447	0	100,3418	171-6	0,3375
Story1	B13	171	Comb10	Combination	Min		5,338	0	38,5923	0	-0,2509	0	97,1514	171-6	0,3375
Story1	B13	171	Comb10	Combination	Max		5,675	0	42,3693	0	-0,2447	0	86,9104	171-6	0,675
Story1	B13	171	Comb10	Combination	Max		2,000	0	-176,959	0	0,2913	0	-32,873	171-2	1
Story1	B13	171	Comb10	Combination	Max		1,500	0	-180,528	0	0,2913	0	-122,245	171-2	0,5
Story1	B13	171	Comb10	Combination	Min		2,000	0	-178,324	0	0,2856	0	-34,237	171-2	1
Story1	B13	171	Comb10	Combination	Min		5,675	0	41,0011	0	-0,2509	0	83,2582	171-6	0,675
Story1	B13	171	Comb10	Combination	Min		1,500	0	-181,892	0	0,2856	0	-124,291	171-2	0,5
Story1	B13	171	Comb10	Combination	Max		3,000	0	-153,941	0	0,2805	0	124,5212	171-3	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb10	Combination	Max		2,500	0	-157,509	0	0,2805	0	46,6587	171-3	0,5
Story1	B13	171	Comb10	Combination	Max		2,000	0	-161,078	0	0,2805	0	-32,9882	171-3	0
Story1	B13	171	Comb10	Combination	Min		3,000	0	-155,304	0	0,2751	0	124,5211	171-3	1
Story1	B13	171	Comb10	Combination	Min		2,500	0	-158,873	0	0,2751	0	45,9768	171-3	0,5
Story1	B13	171	Comb10	Combination	Min		2,000	0	-162,442	0	0,2751	0	-34,352	171-3	0
Story1	B13	171	Comb10	Combination	Max		4,000	0	-0,7518	0	-0,2752	0	130,2057	171-4	1
Story1	B13	171	Comb10	Combination	Max		3,500	0	-4,3205	0	-0,2752	0	128,2557	171-4	0,5
Story1	B13	171	Comb10	Combination	Max		3,000	0	-7,8893	0	-0,2752	0	124,5214	171-4	0
Story1	B13	171	Comb10	Combination	Min		4,000	0	-2,1156	0	-0,2806	0	128,8419	171-4	1
Story1	B13	171	Comb10	Combination	Min		3,500	0	-5,6843	0	-0,2806	0	127,5738	171-4	0,5
Story1	B13	171	Comb10	Combination	Min		3,000	0	-9,253	0	-0,2806	0	124,5214	171-4	0
Story1	B13	171	Comb10	Combination	Max		4,500	0	18,5935	0	-0,2856	0	122,6331	171-5	0,5
Story1	B13	171	Comb10	Combination	Max		4,000	0	15,0248	0	-0,2856	0	130,3553	171-5	0
Story1	B13	171	Comb10	Combination	Min		4,500	0	17,2289	0	-0,2913	0	120,5867	171-5	0,5
Story1	B13	171	Comb10	Combination	Min		4,000	0	13,6601	0	-0,2913	0	128,9913	171-5	0
Story1	B13	171	Comb10	Combination	Max		1,000	0	-184,097	0	0,2913	0	-213,401	171-2	0
Story1	B13	171	Comb10	Combination	Max		1,000	0	-199,889	0	0,251	0	-213,567	171-1	1
Story1	B13	171	Comb10	Combination	Min		1,000	0	-185,461	0	0,2856	0	-216,13	171-2	0
Story1	B13	171	Comb10	Combination	Min		1,000	0	-201,257	0	0,2448	0	-216,295	171-1	1
Story1	B13	171	Comb10	Combination	Max		0,663	0	-202,298	0	0,251	0	-281,436	171-1	0,6625
Story1	B13	171	Comb10	Combination	Min		0,663	0	-203,666	0	0,2448	0	-284,626	171-1	0,6625
Story1	B13	171	Comb10	Combination	Max		0,325	0	-204,707	0	0,251	0	-350,118	171-1	0,325
Story1	B13	171	Comb10	Combination	Min		0,325	0	-206,075	0	0,2448	0	-353,77	171-1	0,325
Story1	B13	171	Comb11	Combination	Max		2,000	0	-15,3761	0	0,4882	0	47,52	171-2	1
Story1	B13	171	Comb11	Combination	Max		1,500	0	-17,4295	0	0,4882	0	39,3186	171-2	0,5
Story1	B13	171	Comb11	Combination	Min		2,000	0	-19,1062	0	0,4728	0	43,7916	171-2	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb11	Combination	Min		1,500	0	-21,1596	0	0,4728	0	33,7251	171-2	0,5
Story1	B13	171	Comb11	Combination	Max		3,000	0	-4,889	0	0,4301	0	54,4041	171-3	1
Story1	B13	171	Comb11	Combination	Max		2,500	0	-6,9424	0	0,4301	0	51,4462	171-3	0,5
Story1	B13	171	Comb11	Combination	Max		2,000	0	-8,9958	0	0,4301	0	47,4617	171-3	0
Story1	B13	171	Comb11	Combination	Min		3,000	0	-8,6166	0	0,4155	0	54,4041	171-3	1
Story1	B13	171	Comb11	Combination	Min		2,500	0	-10,67	0	0,4155	0	49,5824	171-3	0,5
Story1	B13	171	Comb11	Combination	Min		2,000	0	-12,7234	0	0,4155	0	43,7341	171-3	0
Story1	B13	171	Comb11	Combination	Max		1,000	0	-19,4829	0	0,4882	0	30,0905	171-2	0
Story1	B13	171	Comb11	Combination	Max		1,000	0	-25,7167	0	0,5384	0	30,0229	171-1	1
Story1	B13	171	Comb11	Combination	Min		1,000	0	-23,213	0	0,4728	0	22,632	171-2	0
Story1	B13	171	Comb11	Combination	Min		1,000	0	-29,4561	0	0,5215	0	22,5644	171-1	1
Story1	B13	171	Comb11	Combination	Max		0,663	0	-27,1027	0	0,5384	0	21,1096	171-1	0,6625
Story1	B13	171	Comb11	Combination	Min		0,663	0	-30,8422	0	0,5215	0	12,3891	171-1	0,6625
Story1	B13	171	Comb11	Combination	Max		0,325	0	-28,4888	0	0,5384	0	11,7286	171-1	0,325
Story1	B13	171	Comb11	Combination	Min		0,325	0	-32,2283	0	0,5215	0	1,746	171-1	0,325
Story1	B13	171	Comb11	Combination	Max		5,000	0	72,2027	0	-0,4728	0	-67,8677	171-5	1
Story1	B13	171	Comb11	Combination	Max		5,000	0	78,5679	0	-0,5215	0	-67,9351	171-6	0
Story1	B13	171	Comb11	Combination	Min		5,000	0	68,4726	0	-0,4882	0	-75,3262	171-5	1
Story1	B13	171	Comb11	Combination	Min		5,000	0	74,8284	0	-0,5384	0	-75,3936	171-6	0
Story1	B13	171	Comb11	Combination	Max		5,338	0	79,9539	0	-0,5215	0	-93,4236	171-6	0,3375
Story1	B13	171	Comb11	Combination	Min		5,338	0	76,2145	0	-0,5384	0	-102,144	171-6	0,3375
Story1	B13	171	Comb11	Combination	Max		5,675	0	81,34	0	-0,5215	0	-119,38	171-6	0,675
Story1	B13	171	Comb11	Combination	Min		5,675	0	77,6005	0	-0,5384	0	-129,363	171-6	0,675
Story1	B13	171	Comb11	Combination	Max		4,000	0	61,6815	0	-0,4154	0	-1,4965	171-4	1
Story1	B13	171	Comb11	Combination	Max		3,500	0	59,6281	0	-0,4154	0	26,9671	171-4	0,5
Story1	B13	171	Comb11	Combination	Max		3,000	0	57,5747	0	-0,4154	0	54,404	171-4	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb11	Combination	Min		4,000	0	57,9539	0	-0,4301	0	-5,2241	171-4	1
Story1	B13	171	Comb11	Combination	Min		3,500	0	55,9005	0	-0,4301	0	25,1033	171-4	0,5
Story1	B13	171	Comb11	Combination	Min		3,000	0	53,8471	0	-0,4301	0	54,404	171-4	0
Story1	B13	171	Comb11	Combination	Max		4,500	0	70,1493	0	-0,4728	0	-34,1448	171-5	0,5
Story1	B13	171	Comb11	Combination	Max		4,000	0	68,0959	0	-0,4728	0	-1,4485	171-5	0
Story1	B13	171	Comb11	Combination	Min		4,500	0	66,4192	0	-0,4882	0	-39,7382	171-5	0,5
Story1	B13	171	Comb11	Combination	Min		4,000	0	64,3658	0	-0,4882	0	-5,1769	171-5	0
Story1	B13	171	Comb12	Combination	Max		2,000	0	-63,547	0	0,4916	0	-0,6301	171-2	1
Story1	B13	171	Comb12	Combination	Max		1,500	0	-65,6004	0	0,4916	0	-32,9169	171-2	0,5
Story1	B13	171	Comb12	Combination	Min		2,000	0	-68,9147	0	0,4695	0	-5,9953	171-2	1
Story1	B13	171	Comb12	Combination	Min		1,500	0	-70,9681	0	0,4695	0	-40,966	171-2	0,5
Story1	B13	171	Comb12	Combination	Max		3,000	0	-53,0288	0	0,4333	0	54,404	171-3	1
Story1	B13	171	Comb12	Combination	Max		2,500	0	-55,0822	0	0,4333	0	27,3762	171-3	0,5
Story1	B13	171	Comb12	Combination	Max		2,000	0	-57,1356	0	0,4333	0	-0,6782	171-3	0
Story1	B13	171	Comb12	Combination	Min		3,000	0	-58,3929	0	0,4122	0	54,404	171-3	1
Story1	B13	171	Comb12	Combination	Min		2,500	0	-60,4464	0	0,4122	0	24,6942	171-3	0,5
Story1	B13	171	Comb12	Combination	Min		2,000	0	-62,4998	0	0,4122	0	-6,0424	171-3	0
Story1	B13	171	Comb12	Combination	Max		5,000	0	24,0318	0	-0,4695	0	31,7277	171-5	1
Story1	B13	171	Comb12	Combination	Max		5,000	0	30,277	0	-0,5178	0	31,6601	171-6	0
Story1	B13	171	Comb12	Combination	Max		5,338	0	31,6631	0	-0,5178	0	23,0239	171-6	0,3375
Story1	B13	171	Comb12	Combination	Min		5,000	0	18,6641	0	-0,4916	0	20,9948	171-5	1
Story1	B13	171	Comb12	Combination	Min		5,000	0	24,8958	0	-0,5421	0	20,9272	171-6	0
Story1	B13	171	Comb12	Combination	Max		5,675	0	33,0491	0	-0,5178	0	13,9199	171-6	0,675
Story1	B13	171	Comb12	Combination	Min		5,338	0	26,2819	0	-0,5421	0	10,4748	171-6	0,3375
Story1	B13	171	Comb12	Combination	Min		5,675	0	27,6679	0	-0,5421	0	-0,4453	171-6	0,675
Story1	B13	171	Comb12	Combination	Max		1,000	0	-67,6538	0	0,4916	0	-66,2305	171-2	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb12	Combination	Max		1,000	0	-74,0075	0	0,5421	0	-66,2979	171-1	1
Story1	B13	171	Comb12	Combination	Min		1,000	0	-73,0215	0	0,4695	0	-76,9634	171-2	0
Story1	B13	171	Comb12	Combination	Min		1,000	0	-79,3887	0	0,5178	0	-77,0308	171-1	1
Story1	B13	171	Comb12	Combination	Max		0,663	0	-75,3936	0	0,5421	0	-91,5094	171-1	0,6625
Story1	B13	171	Comb12	Combination	Min		0,663	0	-80,7748	0	0,5178	0	-104,058	171-1	0,6625
Story1	B13	171	Comb12	Combination	Max		0,325	0	-76,7796	0	0,5421	0	-117,189	171-1	0,325
Story1	B13	171	Comb12	Combination	Min		0,325	0	-82,1609	0	0,5178	0	-131,554	171-1	0,325
Story1	B13	171	Comb12	Combination	Max		4,000	0	13,5417	0	-0,4123	0	48,2799	171-4	1
Story1	B13	171	Comb12	Combination	Max		3,500	0	11,4883	0	-0,4123	0	51,8553	171-4	0,5
Story1	B13	171	Comb12	Combination	Max		3,000	0	9,4348	0	-0,4123	0	54,4041	171-4	0
Story1	B13	171	Comb12	Combination	Min		4,000	0	8,1775	0	-0,4333	0	42,9158	171-4	1
Story1	B13	171	Comb12	Combination	Min		3,500	0	6,1241	0	-0,4333	0	49,1733	171-4	0,5
Story1	B13	171	Comb12	Combination	Min		3,000	0	4,0707	0	-0,4333	0	54,404	171-4	0
Story1	B13	171	Comb12	Combination	Max		4,500	0	21,9784	0	-0,4695	0	40,5464	171-5	0,5
Story1	B13	171	Comb12	Combination	Max		4,000	0	19,925	0	-0,4695	0	48,3384	171-5	0
Story1	B13	171	Comb12	Combination	Min		4,500	0	16,6107	0	-0,4916	0	32,4973	171-5	0,5
Story1	B13	171	Comb12	Combination	Min		4,000	0	14,5573	0	-0,4916	0	42,9732	171-5	0
Story1	B13	171	Comb13	Combination	Max		1,000	0	-18,678	0	-0,1418	0	31,7194	171-2	0
Story1	B13	171	Comb13	Combination	Max		1,000	0	-24,9074	0	-0,2095	0	31,6519	171-1	1
Story1	B13	171	Comb13	Combination	Max		0,663	0	-26,2935	0	-0,2095	0	23,0117	171-1	0,6625
Story1	B13	171	Comb13	Combination	Min		1,000	0	-24,0457	0	-0,1639	0	20,9865	171-2	0
Story1	B13	171	Comb13	Combination	Min		1,000	0	-30,2886	0	-0,2338	0	20,919	171-1	1
Story1	B13	171	Comb13	Combination	Max		0,325	0	-27,6796	0	-0,2095	0	13,9038	171-1	0,325
Story1	B13	171	Comb13	Combination	Min		0,663	0	-31,6747	0	-0,2338	0	10,4626	171-1	0,6625
Story1	B13	171	Comb13	Combination	Max		4,500	0	70,9819	0	0,164	0	-32,9183	171-5	0,5
Story1	B13	171	Comb13	Combination	Max		4,000	0	68,9285	0	0,164	0	-0,6245	171-5	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb13	Combination	Min		4,500	0	65,6142	0	0,1418	0	-40,9674	171-5	0,5
Story1	B13	171	Comb13	Combination	Min		4,000	0	63,5608	0	0,1418	0	-5,9898	171-5	0
Story1	B13	171	Comb13	Combination	Max		4,000	0	62,5132	0	0,1269	0	-0,6726	171-4	1
Story1	B13	171	Comb13	Combination	Max		3,500	0	60,4597	0	0,1269	0	27,3885	171-4	0,5
Story1	B13	171	Comb13	Combination	Max		3,000	0	58,4063	0	0,1269	0	54,423	171-4	0
Story1	B13	171	Comb13	Combination	Min		0,325	0	-33,0608	0	-0,2338	0	-0,4615	171-1	0,325
Story1	B13	171	Comb13	Combination	Min		4,000	0	57,149	0	0,1058	0	-6,0367	171-4	1
Story1	B13	171	Comb13	Combination	Min		3,500	0	55,0956	0	0,1058	0	24,7065	171-4	0,5
Story1	B13	171	Comb13	Combination	Min		3,000	0	53,0422	0	0,1058	0	54,423	171-4	0
Story1	B13	171	Comb13	Combination	Max		5,000	0	73,0353	0	0,164	0	-66,2387	171-5	1
Story1	B13	171	Comb13	Combination	Max		5,000	0	79,4004	0	0,2337	0	-66,3062	171-6	0
Story1	B13	171	Comb13	Combination	Min		5,000	0	67,6676	0	0,1418	0	-76,9717	171-5	1
Story1	B13	171	Comb13	Combination	Min		5,000	0	74,0192	0	0,2095	0	-77,0391	171-6	0
Story1	B13	171	Comb13	Combination	Max		5,338	0	80,7864	0	0,2337	0	-91,5216	171-6	0,3375
Story1	B13	171	Comb13	Combination	Max		3,000	0	-4,0841	0	-0,1058	0	54,4231	171-3	1
Story1	B13	171	Comb13	Combination	Max		2,500	0	-6,1375	0	-0,1058	0	51,8677	171-3	0,5
Story1	B13	171	Comb13	Combination	Max		2,000	0	-8,1909	0	-0,1058	0	48,2855	171-3	0
Story1	B13	171	Comb13	Combination	Min		3,000	0	-9,4482	0	-0,1268	0	54,423	171-3	1
Story1	B13	171	Comb13	Combination	Min		2,500	0	-11,5016	0	-0,1268	0	49,1856	171-3	0,5
Story1	B13	171	Comb13	Combination	Min		2,000	0	-13,5551	0	-0,1268	0	42,9214	171-3	0
Story1	B13	171	Comb13	Combination	Max		2,000	0	-14,5711	0	-0,1418	0	48,344	171-2	1
Story1	B13	171	Comb13	Combination	Max		1,500	0	-16,6246	0	-0,1418	0	40,5451	171-2	0,5
Story1	B13	171	Comb13	Combination	Min		5,338	0	75,4052	0	0,2095	0	-104,071	171-6	0,3375
Story1	B13	171	Comb13	Combination	Min		2,000	0	-19,9388	0	-0,1639	0	42,9787	171-2	1
Story1	B13	171	Comb13	Combination	Min		1,500	0	-21,9922	0	-0,1639	0	32,496	171-2	0,5
Story1	B13	171	Comb13	Combination	Max		5,675	0	82,1725	0	0,2337	0	-117,205	171-6	0,675

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb13	Combination	Min		5,675	0	76,7913	0	0,2095	0	-131,57	171-6	0,675
Story1	B13	171	Comb14	Combination	Max		5,000	0	23,2269	0	0,1606	0	30,0822	171-5	1
Story1	B13	171	Comb14	Combination	Max		5,000	0	29,4678	0	0,2301	0	30,0146	171-6	0
Story1	B13	171	Comb14	Combination	Min		5,000	0	19,4968	0	0,1452	0	22,6237	171-5	1
Story1	B13	171	Comb14	Combination	Min		5,000	0	25,7283	0	0,2132	0	22,5562	171-6	0
Story1	B13	171	Comb14	Combination	Max		5,338	0	30,8538	0	0,2301	0	21,0975	171-6	0,3375
Story1	B13	171	Comb14	Combination	Min		5,338	0	27,1144	0	0,2132	0	12,3769	171-6	0,3375
Story1	B13	171	Comb14	Combination	Max		5,675	0	32,2399	0	0,2301	0	11,7125	171-6	0,675
Story1	B13	171	Comb14	Combination	Max		4,500	0	21,1734	0	0,1606	0	39,3172	171-5	0,5
Story1	B13	171	Comb14	Combination	Max		4,000	0	19,12	0	0,1606	0	47,5256	171-5	0
Story1	B13	171	Comb14	Combination	Min		4,500	0	17,4434	0	0,1452	0	33,7238	171-5	0,5
Story1	B13	171	Comb14	Combination	Min		5,675	0	28,5004	0	0,2132	0	1,7298	171-6	0,675
Story1	B13	171	Comb14	Combination	Min		4,000	0	15,3899	0	0,1452	0	43,7972	171-5	0
Story1	B13	171	Comb14	Combination	Max		4,000	0	12,7368	0	0,1236	0	47,4673	171-4	1
Story1	B13	171	Comb14	Combination	Max		3,500	0	10,6834	0	0,1236	0	51,4585	171-4	0,5
Story1	B13	171	Comb14	Combination	Max		3,000	0	8,63	0	0,1236	0	54,4231	171-4	0
Story1	B13	171	Comb14	Combination	Min		4,000	0	9,0092	0	0,109	0	43,7397	171-4	1
Story1	B13	171	Comb14	Combination	Min		3,500	0	6,9558	0	0,109	0	49,5947	171-4	0,5
Story1	B13	171	Comb14	Combination	Min		3,000	0	4,9023	0	0,109	0	54,4231	171-4	0
Story1	B13	171	Comb14	Combination	Max		1,000	0	-68,4864	0	-0,1452	0	-67,876	171-2	0
Story1	B13	171	Comb14	Combination	Max		1,000	0	-74,84	0	-0,2132	0	-67,9434	171-1	1
Story1	B13	171	Comb14	Combination	Min		1,000	0	-72,2165	0	-0,1606	0	-75,3344	171-2	0
Story1	B13	171	Comb14	Combination	Min		1,000	0	-78,5795	0	-0,23	0	-75,4019	171-1	1
Story1	B13	171	Comb14	Combination	Max		0,663	0	-76,2261	0	-0,2132	0	-93,4358	171-1	0,6625
Story1	B13	171	Comb14	Combination	Max		3,000	0	-53,8604	0	-0,109	0	54,423	171-3	1
Story1	B13	171	Comb14	Combination	Max		2,500	0	-55,9139	0	-0,109	0	26,9794	171-3	0,5

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb14	Combination	Max		2,000	0	-57,9673	0	-0,109	0	-1,4909	171-3	0
Story1	B13	171	Comb14	Combination	Min		3,000	0	-57,5881	0	-0,1237	0	54,423	171-3	1
Story1	B13	171	Comb14	Combination	Min		2,500	0	-59,6415	0	-0,1237	0	25,1156	171-3	0,5
Story1	B13	171	Comb14	Combination	Min		2,000	0	-61,6949	0	-0,1237	0	-5,2185	171-3	0
Story1	B13	171	Comb14	Combination	Max		2,000	0	-64,3796	0	-0,1452	0	-1,4429	171-2	1
Story1	B13	171	Comb14	Combination	Min		0,663	0	-79,9656	0	-0,23	0	-102,156	171-1	0,6625
Story1	B13	171	Comb14	Combination	Max		1,500	0	-66,433	0	-0,1452	0	-34,1461	171-2	0,5
Story1	B13	171	Comb14	Combination	Min		2,000	0	-68,1097	0	-0,1606	0	-5,1713	171-2	1
Story1	B13	171	Comb14	Combination	Min		1,500	0	-70,1631	0	-0,1606	0	-39,7395	171-2	0,5
Story1	B13	171	Comb14	Combination	Max		0,325	0	-77,6122	0	-0,2132	0	-119,396	171-1	0,325
Story1	B13	171	Comb14	Combination	Min		0,325	0	-81,3516	0	-0,23	0	-129,379	171-1	0,325
Story1	B13	171	Comb15	Combination	Max		0,325	0	27,6185	0	0,2699	0	161,5176	171-1	0,325
Story1	B13	171	Comb15	Combination	Min		0,325	0	26,2504	0	0,2638	0	157,8654	171-1	0,325
Story1	B13	171	Comb15	Combination	Max		0,663	0	29,0045	0	0,2699	0	151,9625	171-1	0,6625
Story1	B13	171	Comb15	Combination	Min		0,663	0	27,6364	0	0,2638	0	148,772	171-1	0,6625
Story1	B13	171	Comb15	Combination	Max		1,000	0	36,4841	0	0,2617	0	142,0072	171-2	0
Story1	B13	171	Comb15	Combination	Max		1,000	0	30,3906	0	0,2699	0	141,9395	171-1	1
Story1	B13	171	Comb15	Combination	Min		1,000	0	35,1195	0	0,256	0	139,2785	171-2	0
Story1	B13	171	Comb15	Combination	Min		1,000	0	29,0225	0	0,2638	0	139,2108	171-1	1
Story1	B13	171	Comb15	Combination	Max		2,000	0	40,591	0	0,2617	0	103,4697	171-2	1
Story1	B13	171	Comb15	Combination	Max		1,500	0	38,5376	0	0,2617	0	123,2518	171-2	0,5
Story1	B13	171	Comb15	Combination	Min		2,000	0	39,2263	0	0,256	0	102,1056	171-2	1
Story1	B13	171	Comb15	Combination	Min		1,500	0	37,1729	0	0,256	0	121,2054	171-2	0,5
Story1	B13	171	Comb15	Combination	Max		3,000	0	51,0422	0	0,2368	0	54,4108	171-3	1
Story1	B13	171	Comb15	Combination	Max		2,500	0	48,9888	0	0,2368	0	79,4185	171-3	0,5
Story1	B13	171	Comb15	Combination	Max		2,000	0	46,9354	0	0,2368	0	103,3996	171-3	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb15	Combination	Min		3,000	0	49,6784	0	0,2315	0	54,4108	171-3	1
Story1	B13	171	Comb15	Combination	Min		2,500	0	47,625	0	0,2315	0	78,7367	171-3	0,5
Story1	B13	171	Comb15	Combination	Min		2,000	0	45,5716	0	0,2315	0	102,0358	171-3	0
Story1	B13	171	Comb15	Combination	Max		4,000	0	117,6221	0	-0,2314	0	-59,7943	171-4	1
Story1	B13	171	Comb15	Combination	Max		3,500	0	115,5686	0	-0,2314	0	-2,1785	171-4	0,5
Story1	B13	171	Comb15	Combination	Max		3,000	0	113,5152	0	-0,2314	0	54,4106	171-4	0
Story1	B13	171	Comb15	Combination	Min		4,000	0	116,2583	0	-0,2367	0	-61,1581	171-4	1
Story1	B13	171	Comb15	Combination	Min		3,500	0	114,2049	0	-0,2367	0	-2,8604	171-4	0,5
Story1	B13	171	Comb15	Combination	Min		3,000	0	112,1514	0	-0,2367	0	54,4106	171-4	0
Story1	B13	171	Comb15	Combination	Max		4,500	0	126,126	0	-0,256	0	-121,626	171-5	0,5
Story1	B13	171	Comb15	Combination	Max		4,000	0	124,0726	0	-0,256	0	-59,7587	171-5	0
Story1	B13	171	Comb15	Combination	Min		4,500	0	124,7614	0	-0,2617	0	-123,672	171-5	0,5
Story1	B13	171	Comb15	Combination	Min		4,000	0	122,7079	0	-0,2617	0	-61,1227	171-5	0
Story1	B13	171	Comb15	Combination	Max		5,000	0	128,1795	0	-0,256	0	-184,52	171-5	1
Story1	B13	171	Comb15	Combination	Max		5,000	0	134,6833	0	-0,2639	0	-184,587	171-6	0
Story1	B13	171	Comb15	Combination	Min		5,000	0	126,8148	0	-0,2617	0	-187,249	171-5	1
Story1	B13	171	Comb15	Combination	Min		5,000	0	133,3152	0	-0,27	0	-187,316	171-6	0
Story1	B13	171	Comb15	Combination	Max		5,338	0	136,0693	0	-0,2639	0	-229,815	171-6	0,3375
Story1	B13	171	Comb15	Combination	Min		5,338	0	134,7012	0	-0,27	0	-233,006	171-6	0,3375
Story1	B13	171	Comb15	Combination	Max		5,675	0	137,4554	0	-0,2639	0	-275,511	171-6	0,675
Story1	B13	171	Comb15	Combination	Min		5,675	0	136,0873	0	-0,27	0	-279,163	171-6	0,675
Story1	B13	171	Comb16	Combination	Max		5,675	0	-24,8823	0	-0,2576	0	165,1698	171-6	0,675
Story1	B13	171	Comb16	Combination	Max		5,338	0	-26,2683	0	-0,2576	0	155,1529	171-6	0,3375
Story1	B13	171	Comb16	Combination	Min		5,675	0	-28,9866	0	-0,2761	0	154,2133	171-6	0,675
Story1	B13	171	Comb16	Combination	Min		5,338	0	-30,3727	0	-0,2761	0	145,5816	171-6	0,3375
Story1	B13	171	Comb16	Combination	Max		5,000	0	-33,7548	0	-0,2504	0	144,7359	171-5	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb16	Combination	Max		5,000	0	-27,6544	0	-0,2576	0	144,6682	171-6	0
Story1	B13	171	Comb16	Combination	Min		5,000	0	-37,8488	0	-0,2673	0	136,5498	171-5	1
Story1	B13	171	Comb16	Combination	Min		5,000	0	-31,7587	0	-0,2761	0	136,4821	171-6	0
Story1	B13	171	Comb16	Combination	Max		2,000	0	-121,343	0	0,2673	0	-58,3946	171-2	1
Story1	B13	171	Comb16	Combination	Max		1,500	0	-123,397	0	0,2673	0	-119,58	171-2	0,5
Story1	B13	171	Comb16	Combination	Min		2,000	0	-125,437	0	0,2504	0	-62,4868	171-2	1
Story1	B13	171	Comb16	Combination	Min		1,500	0	-127,491	0	0,2504	0	-125,719	171-2	0,5
Story1	B13	171	Comb16	Combination	Max		3,000	0	-110,788	0	0,2421	0	54,4106	171-3	1
Story1	B13	171	Comb16	Combination	Max		2,500	0	-112,841	0	0,2421	0	-1,4966	171-3	0,5
Story1	B13	171	Comb16	Combination	Max		2,000	0	-114,895	0	0,2421	0	-58,4306	171-3	0
Story1	B13	171	Comb16	Combination	Min		3,000	0	-114,879	0	0,226	0	54,4105	171-3	1
Story1	B13	171	Comb16	Combination	Min		2,500	0	-116,932	0	0,226	0	-3,5423	171-3	0,5
Story1	B13	171	Comb16	Combination	Min		2,000	0	-118,986	0	0,226	0	-62,5218	171-3	0
Story1	B13	171	Comb16	Combination	Max		4,000	0	-44,2078	0	-0,2261	0	104,7633	171-4	1
Story1	B13	171	Comb16	Combination	Max		3,500	0	-46,2613	0	-0,2261	0	80,1004	171-4	0,5
Story1	B13	171	Comb16	Combination	Max		3,000	0	-48,3147	0	-0,2261	0	54,4108	171-4	0
Story1	B13	171	Comb16	Combination	Min		4,000	0	-48,2991	0	-0,2422	0	100,6721	171-4	1
Story1	B13	171	Comb16	Combination	Min		3,500	0	-50,3526	0	-0,2422	0	78,0548	171-4	0,5
Story1	B13	171	Comb16	Combination	Min		3,000	0	-52,406	0	-0,2422	0	54,4108	171-4	0
Story1	B13	171	Comb16	Combination	Max		4,500	0	-35,8082	0	-0,2504	0	125,2982	171-5	0,5
Story1	B13	171	Comb16	Combination	Max		4,000	0	-37,8616	0	-0,2504	0	104,8337	171-5	0
Story1	B13	171	Comb16	Combination	Min		4,500	0	-39,9022	0	-0,2673	0	119,159	171-5	0,5
Story1	B13	171	Comb16	Combination	Min		4,000	0	-41,9556	0	-0,2673	0	100,7416	171-5	0
Story1	B13	171	Comb16	Combination	Max		1,000	0	-125,45	0	0,2673	0	-181,791	171-2	0
Story1	B13	171	Comb16	Combination	Max		1,000	0	-131,947	0	0,2762	0	-181,859	171-1	1
Story1	B13	171	Comb16	Combination	Min		1,000	0	-129,544	0	0,2504	0	-189,977	171-2	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb16	Combination	Min		1,000	0	-136,051	0	0,2577	0	-190,045	171-1	1
Story1	B13	171	Comb16	Combination	Max		0,663	0	-133,333	0	0,2762	0	-226,625	171-1	0,6625
Story1	B13	171	Comb16	Combination	Min		0,663	0	-137,438	0	0,2577	0	-236,196	171-1	0,6625
Story1	B13	171	Comb16	Combination	Max		0,325	0	-134,719	0	0,2762	0	-271,859	171-1	0,325
Story1	B13	171	Comb16	Combination	Min		0,325	0	-138,824	0	0,2577	0	-282,815	171-1	0,325
Story1	B13	171	Comb17	Combination	Max		0,325	0	28,9831	0	0,0506	0	165,165	171-1	0,325
Story1	B13	171	Comb17	Combination	Max		0,663	0	30,3692	0	0,0506	0	155,1493	171-1	0,6625
Story1	B13	171	Comb17	Combination	Min		0,325	0	24,8788	0	0,0321	0	154,2084	171-1	0,325
Story1	B13	171	Comb17	Combination	Min		0,663	0	26,2648	0	0,0321	0	145,5779	171-1	0,6625
Story1	B13	171	Comb17	Combination	Max		1,000	0	37,8446	0	0,0773	0	144,7335	171-2	0
Story1	B13	171	Comb17	Combination	Max		1,000	0	31,7552	0	0,0506	0	144,6658	171-1	1
Story1	B13	171	Comb17	Combination	Min		1,000	0	33,7506	0	0,0604	0	136,5473	171-2	0
Story1	B13	171	Comb17	Combination	Min		1,000	0	27,6509	0	0,0321	0	136,4796	171-1	1
Story1	B13	171	Comb17	Combination	Max		3,000	0	52,402	0	0,0804	0	54,4165	171-3	1
Story1	B13	171	Comb17	Combination	Max		2,500	0	50,3485	0	0,0804	0	80,1041	171-3	0,5
Story1	B13	171	Comb17	Combination	Max		2,000	0	48,2951	0	0,0804	0	104,765	171-3	0
Story1	B13	171	Comb17	Combination	Max		2,000	0	41,9515	0	0,0773	0	104,8354	171-2	1
Story1	B13	171	Comb17	Combination	Max		1,500	0	39,8981	0	0,0773	0	125,2978	171-2	0,5
Story1	B13	171	Comb17	Combination	Min		3,000	0	48,3107	0	0,0644	0	54,4165	171-3	1
Story1	B13	171	Comb17	Combination	Min		2,500	0	46,2572	0	0,0644	0	78,0585	171-3	0,5
Story1	B13	171	Comb17	Combination	Min		2,000	0	44,2038	0	0,0644	0	100,6737	171-3	0
Story1	B13	171	Comb17	Combination	Min		2,000	0	37,8575	0	0,0604	0	100,7433	171-2	1
Story1	B13	171	Comb17	Combination	Min		1,500	0	35,8041	0	0,0604	0	119,1586	171-2	0,5
Story1	B13	171	Comb17	Combination	Max		4,500	0	127,4948	0	-0,0604	0	-119,58	171-5	0,5
Story1	B13	171	Comb17	Combination	Max		4,000	0	125,4414	0	-0,0604	0	-58,3929	171-5	0
Story1	B13	171	Comb17	Combination	Max		4,000	0	118,9898	0	-0,0643	0	-58,4289	171-4	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb17	Combination	Max		3,500	0	116,9364	0	-0,0643	0	-1,493	171-4	0,5
Story1	B13	171	Comb17	Combination	Max		3,000	0	114,883	0	-0,0643	0	54,4163	171-4	0
Story1	B13	171	Comb17	Combination	Min		4,500	0	123,4008	0	-0,0773	0	-125,719	171-5	0,5
Story1	B13	171	Comb17	Combination	Min		4,000	0	121,3474	0	-0,0773	0	-62,4851	171-5	0
Story1	B13	171	Comb17	Combination	Min		4,000	0	114,8985	0	-0,0803	0	-62,5201	171-4	1
Story1	B13	171	Comb17	Combination	Min		3,500	0	112,8451	0	-0,0803	0	-3,5386	171-4	0,5
Story1	B13	171	Comb17	Combination	Min		3,000	0	110,7917	0	-0,0803	0	54,4162	171-4	0
Story1	B13	171	Comb17	Combination	Max		5,000	0	129,5483	0	-0,0604	0	-181,794	171-5	1
Story1	B13	171	Comb17	Combination	Max		5,000	0	136,0549	0	-0,0322	0	-181,861	171-6	0
Story1	B13	171	Comb17	Combination	Min		5,000	0	125,4543	0	-0,0773	0	-189,98	171-5	1
Story1	B13	171	Comb17	Combination	Min		5,000	0	131,9506	0	-0,0507	0	-190,047	171-6	0
Story1	B13	171	Comb17	Combination	Max		5,338	0	137,4409	0	-0,0322	0	-226,628	171-6	0,3375
Story1	B13	171	Comb17	Combination	Min		5,338	0	133,3366	0	-0,0507	0	-236,2	171-6	0,3375
Story1	B13	171	Comb17	Combination	Max		5,675	0	138,827	0	-0,0322	0	-271,863	171-6	0,675
Story1	B13	171	Comb17	Combination	Min		5,675	0	134,7227	0	-0,0507	0	-282,82	171-6	0,675
Story1	B13	171	Comb18	Combination	Max		5,675	0	-26,2469	0	-0,0383	0	161,5128	171-6	0,675
Story1	B13	171	Comb18	Combination	Min		5,675	0	-27,615	0	-0,0445	0	157,8606	171-6	0,675
Story1	B13	171	Comb18	Combination	Max		5,338	0	-27,633	0	-0,0383	0	151,9588	171-6	0,3375
Story1	B13	171	Comb18	Combination	Min		5,338	0	-29,0011	0	-0,0445	0	148,7684	171-6	0,3375
Story1	B13	171	Comb18	Combination	Max		5,000	0	-35,1153	0	-0,066	0	142,0047	171-5	1
Story1	B13	171	Comb18	Combination	Max		5,000	0	-29,019	0	-0,0383	0	141,9371	171-6	0
Story1	B13	171	Comb18	Combination	Min		5,000	0	-36,48	0	-0,0716	0	139,276	171-5	1
Story1	B13	171	Comb18	Combination	Min		5,000	0	-30,3871	0	-0,0445	0	139,2084	171-6	0
Story1	B13	171	Comb18	Combination	Max		3,000	0	-112,156	0	0,075	0	54,4163	171-3	1
Story1	B13	171	Comb18	Combination	Max		2,500	0	-114,209	0	0,075	0	-2,1748	171-3	0,5
Story1	B13	171	Comb18	Combination	Max		2,000	0	-116,262	0	0,075	0	-59,7926	171-3	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb18	Combination	Max		2,000	0	-122,712	0	0,0716	0	-59,757	171-2	1
Story1	B13	171	Comb18	Combination	Max		1,500	0	-124,766	0	0,0716	0	-121,626	171-2	0,5
Story1	B13	171	Comb18	Combination	Min		3,000	0	-113,519	0	0,0696	0	54,4163	171-3	1
Story1	B13	171	Comb18	Combination	Min		2,500	0	-115,573	0	0,0696	0	-2,8567	171-3	0,5
Story1	B13	171	Comb18	Combination	Min		2,000	0	-117,626	0	0,0696	0	-61,1564	171-3	0
Story1	B13	171	Comb18	Combination	Min		2,000	0	-124,077	0	0,066	0	-61,121	171-2	1
Story1	B13	171	Comb18	Combination	Min		1,500	0	-126,13	0	0,066	0	-123,673	171-2	0,5
Story1	B13	171	Comb18	Combination	Max		4,500	0	-37,1687	0	-0,066	0	123,2514	171-5	0,5
Story1	B13	171	Comb18	Combination	Max		4,000	0	-39,2222	0	-0,066	0	103,4713	171-5	0
Story1	B13	171	Comb18	Combination	Max		4,000	0	-45,5676	0	-0,0697	0	103,4013	171-4	1
Story1	B13	171	Comb18	Combination	Max		3,500	0	-47,621	0	-0,0697	0	79,4222	171-4	0,5
Story1	B13	171	Comb18	Combination	Max		3,000	0	-49,6744	0	-0,0697	0	54,4165	171-4	0
Story1	B13	171	Comb18	Combination	Min		4,500	0	-38,5334	0	-0,0716	0	121,205	171-5	0,5
Story1	B13	171	Comb18	Combination	Min		4,000	0	-40,5868	0	-0,0716	0	102,1073	171-5	0
Story1	B13	171	Comb18	Combination	Min		4,000	0	-46,9313	0	-0,0751	0	102,0375	171-4	1
Story1	B13	171	Comb18	Combination	Min		3,500	0	-48,9848	0	-0,0751	0	78,7404	171-4	0,5
Story1	B13	171	Comb18	Combination	Min		3,000	0	-51,0382	0	-0,0751	0	54,4165	171-4	0
Story1	B13	171	Comb18	Combination	Max		1,000	0	-126,819	0	0,0716	0	-184,523	171-2	0
Story1	B13	171	Comb18	Combination	Max		1,000	0	-133,319	0	0,0446	0	-184,59	171-1	1
Story1	B13	171	Comb18	Combination	Min		1,000	0	-128,184	0	0,066	0	-187,251	171-2	0
Story1	B13	171	Comb18	Combination	Min		1,000	0	-134,687	0	0,0384	0	-187,319	171-1	1
Story1	B13	171	Comb18	Combination	Max		0,663	0	-134,705	0	0,0446	0	-229,819	171-1	0,6625
Story1	B13	171	Comb18	Combination	Min		0,663	0	-136,073	0	0,0384	0	-233,009	171-1	0,6625
Story1	B13	171	Comb18	Combination	Max		0,325	0	-136,091	0	0,0446	0	-275,516	171-1	0,325
Story1	B13	171	Comb18	Combination	Min		0,325	0	-137,459	0	0,0384	0	-279,168	171-1	0,325
Story1	B13	171	Comb2	Combination			2,000	0	-102,817	0	0,4143	0	51,1418	171-2	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb2	Combination			1,500	0	-106,03	0	0,4143	0	-1,0701	171-2	0,5
Story1	B13	171	Comb2	Combination			3,000	0	-78,8466	0	0,3876	0	133,0535	171-3	1
Story1	B13	171	Comb2	Combination			2,500	0	-82,0593	0	0,3876	0	92,8271	171-3	0,5
Story1	B13	171	Comb2	Combination			2,000	0	-85,272	0	0,3876	0	50,9942	171-3	0
Story1	B13	171	Comb2	Combination			1,000	0	-109,243	0	0,4143	0	-54,8883	171-2	0
Story1	B13	171	Comb2	Combination			5,000	0	109,2428	0	-0,4143	0	-54,8883	171-5	1
Story1	B13	171	Comb2	Combination			1,000	0	-126,529	0	0,3894	0	-55,072	171-1	1
Story1	B13	171	Comb2	Combination			5,000	0	126,5289	0	-0,3894	0	-55,072	171-6	0
Story1	B13	171	Comb2	Combination			0,663	0	-128,698	0	0,3894	0	-98,1414	171-1	0,6625
Story1	B13	171	Comb2	Combination			5,338	0	128,6975	0	-0,3894	0	-98,1414	171-6	0,3375
Story1	B13	171	Comb2	Combination			0,325	0	-130,866	0	0,3894	0	-141,943	171-1	0,325
Story1	B13	171	Comb2	Combination			5,675	0	130,866	0	-0,3894	0	-141,943	171-6	0,675
Story1	B13	171	Comb2	Combination			4,000	0	85,272	0	-0,3876	0	50,9942	171-4	1
Story1	B13	171	Comb2	Combination			3,500	0	82,0593	0	-0,3876	0	92,8271	171-4	0,5
Story1	B13	171	Comb2	Combination			3,000	0	78,8466	0	-0,3876	0	133,0535	171-4	0
Story1	B13	171	Comb2	Combination			4,500	0	106,0301	0	-0,4143	0	-1,0701	171-5	0,5
Story1	B13	171	Comb2	Combination			4,000	0	102,8174	0	-0,4143	0	51,1418	171-5	0
Story1	B13	171	Comb3	Combination	Max		2,000	0	-69,623	0	0,7079	0	74,404	171-2	1
Story1	B13	171	Comb3	Combination	Max		1,500	0	-73,1918	0	0,7079	0	38,7002	171-2	0,5
Story1	B13	171	Comb3	Combination	Min		2,000	0	-73,3531	0	0,6925	0	70,6756	171-2	1
Story1	B13	171	Comb3	Combination	Min		1,500	0	-76,9219	0	0,6925	0	33,1068	171-2	0,5
Story1	B13	171	Comb3	Combination	Max		3,000	0	-46,6741	0	0,6356	0	124,509	171-3	1
Story1	B13	171	Comb3	Combination	Max		2,500	0	-50,2428	0	0,6356	0	100,2797	171-3	0,5
Story1	B13	171	Comb3	Combination	Max		2,000	0	-53,8116	0	0,6356	0	74,2661	171-3	0
Story1	B13	171	Comb3	Combination	Min		3,000	0	-50,4017	0	0,621	0	124,5089	171-3	1
Story1	B13	171	Comb3	Combination	Min		2,500	0	-53,9705	0	0,621	0	98,4159	171-3	0,5

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb3	Combination	Min		2,000	0	-57,5392	0	0,621	0	70,5385	171-3	0
Story1	B13	171	Comb3	Combination	Max		1,000	0	-76,7605	0	0,7079	0	1,2122	171-2	0
Story1	B13	171	Comb3	Combination	Max		1,000	0	-92,2871	0	0,7448	0	1,0461	171-1	1
Story1	B13	171	Comb3	Combination	Min		1,000	0	-80,4906	0	0,6925	0	-6,2463	171-2	0
Story1	B13	171	Comb3	Combination	Min		1,000	0	-96,0266	0	0,7279	0	-6,4124	171-1	1
Story1	B13	171	Comb3	Combination	Max		0,663	0	-94,696	0	0,7448	0	-30,5074	171-1	0,6625
Story1	B13	171	Comb3	Combination	Min		0,663	0	-98,4355	0	0,7279	0	-39,2279	171-1	0,6625
Story1	B13	171	Comb3	Combination	Max		0,325	0	-97,1049	0	0,7448	0	-62,8738	171-1	0,325
Story1	B13	171	Comb3	Combination	Min		0,325	0	-100,844	0	0,7279	0	-72,8564	171-1	0,325
Story1	B13	171	Comb3	Combination	Max		5,000	0	129,4803	0	-0,6925	0	-96,746	171-5	1
Story1	B13	171	Comb3	Combination	Max		5,000	0	145,1384	0	-0,7279	0	-96,912	171-6	0
Story1	B13	171	Comb3	Combination	Min		5,000	0	125,7502	0	-0,7079	0	-104,205	171-5	1
Story1	B13	171	Comb3	Combination	Min		5,000	0	141,3989	0	-0,7448	0	-104,371	171-6	0
Story1	B13	171	Comb3	Combination	Max		5,338	0	147,5473	0	-0,7279	0	-145,041	171-6	0,3375
Story1	B13	171	Comb3	Combination	Min		5,338	0	143,8078	0	-0,7448	0	-153,761	171-6	0,3375
Story1	B13	171	Comb3	Combination	Max		5,675	0	149,9561	0	-0,7279	0	-193,982	171-6	0,675
Story1	B13	171	Comb3	Combination	Min		5,675	0	146,2167	0	-0,7448	0	-203,965	171-6	0,675
Story1	B13	171	Comb3	Combination	Max		4,000	0	106,4973	0	-0,621	0	25,3079	171-4	1
Story1	B13	171	Comb3	Combination	Max		3,500	0	102,9286	0	-0,621	0	75,8006	171-4	0,5
Story1	B13	171	Comb3	Combination	Max		3,000	0	99,3598	0	-0,621	0	124,5089	171-4	0
Story1	B13	171	Comb3	Combination	Min		4,000	0	102,7697	0	-0,6356	0	21,5803	171-4	1
Story1	B13	171	Comb3	Combination	Min		3,500	0	99,2009	0	-0,6356	0	73,9368	171-4	0,5
Story1	B13	171	Comb3	Combination	Min		3,000	0	95,6322	0	-0,6356	0	124,5089	171-4	0
Story1	B13	171	Comb3	Combination	Max		4,500	0	125,9115	0	-0,6925	0	-34,7631	171-5	0,5
Story1	B13	171	Comb3	Combination	Max		4,000	0	122,3428	0	-0,6925	0	25,4355	171-5	0
Story1	B13	171	Comb3	Combination	Min		4,500	0	122,1815	0	-0,7079	0	-40,3565	171-5	0,5

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb3	Combination	Min		4,000	0	118,6127	0	-0,7079	0	21,7071	171-5	0
Story1	B13	171	Comb4	Combination	Max		2,000	0	-117,794	0	0,7112	0	26,2539	171-2	1
Story1	B13	171	Comb4	Combination	Max		1,500	0	-121,363	0	0,7112	0	-33,5353	171-2	0,5
Story1	B13	171	Comb4	Combination	Min		2,000	0	-123,162	0	0,6891	0	20,8886	171-2	1
Story1	B13	171	Comb4	Combination	Min		1,500	0	-126,73	0	0,6891	0	-41,5843	171-2	0,5
Story1	B13	171	Comb4	Combination	Max		3,000	0	-94,814	0	0,6388	0	124,5089	171-3	1
Story1	B13	171	Comb4	Combination	Max		2,500	0	-98,3827	0	0,6388	0	76,2097	171-3	0,5
Story1	B13	171	Comb4	Combination	Max		2,000	0	-101,951	0	0,6388	0	26,1262	171-3	0
Story1	B13	171	Comb4	Combination	Min		3,000	0	-100,178	0	0,6177	0	124,5089	171-3	1
Story1	B13	171	Comb4	Combination	Min		2,500	0	-103,747	0	0,6177	0	73,5277	171-3	0,5
Story1	B13	171	Comb4	Combination	Min		2,000	0	-107,316	0	0,6177	0	20,7621	171-3	0
Story1	B13	171	Comb4	Combination	Max		5,000	0	81,3094	0	-0,6891	0	2,8494	171-5	1
Story1	B13	171	Comb4	Combination	Max		5,000	0	96,8475	0	-0,7242	0	2,6833	171-6	0
Story1	B13	171	Comb4	Combination	Min		5,000	0	75,9417	0	-0,7112	0	-7,8835	171-5	1
Story1	B13	171	Comb4	Combination	Min		5,000	0	91,4663	0	-0,7485	0	-8,0496	171-6	0
Story1	B13	171	Comb4	Combination	Max		5,338	0	99,2564	0	-0,7242	0	-28,5931	171-6	0,3375
Story1	B13	171	Comb4	Combination	Min		5,338	0	93,8752	0	-0,7485	0	-41,1422	171-6	0,3375
Story1	B13	171	Comb4	Combination	Max		5,675	0	101,6653	0	-0,7242	0	-60,6825	171-6	0,675
Story1	B13	171	Comb4	Combination	Min		5,675	0	96,2841	0	-0,7485	0	-75,0477	171-6	0,675
Story1	B13	171	Comb4	Combination	Max		1,000	0	-124,931	0	0,7112	0	-95,1088	171-2	0
Story1	B13	171	Comb4	Combination	Max		1,000	0	-140,578	0	0,7485	0	-95,2748	171-1	1
Story1	B13	171	Comb4	Combination	Min		1,000	0	-130,299	0	0,6891	0	-105,842	171-2	0
Story1	B13	171	Comb4	Combination	Min		1,000	0	-145,959	0	0,7242	0	-106,008	171-1	1
Story1	B13	171	Comb4	Combination	Max		0,663	0	-142,987	0	0,7485	0	-143,126	171-1	0,6625
Story1	B13	171	Comb4	Combination	Min		0,663	0	-148,368	0	0,7242	0	-155,675	171-1	0,6625
Story1	B13	171	Comb4	Combination	Max		0,325	0	-145,396	0	0,7485	0	-191,791	171-1	0,325

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb4	Combination	Min		0,325	0	-150,777	0	0,7242	0	-206,156	171-1	0,325
Story1	B13	171	Comb4	Combination	Max		4,000	0	58,3575	0	-0,6178	0	75,0843	171-4	1
Story1	B13	171	Comb4	Combination	Max		3,500	0	54,7887	0	-0,6178	0	100,6888	171-4	0,5
Story1	B13	171	Comb4	Combination	Max		3,000	0	51,22	0	-0,6178	0	124,509	171-4	0
Story1	B13	171	Comb4	Combination	Min		4,000	0	52,9933	0	-0,6388	0	69,7202	171-4	1
Story1	B13	171	Comb4	Combination	Min		3,500	0	49,4246	0	-0,6388	0	98,0068	171-4	0,5
Story1	B13	171	Comb4	Combination	Min		3,000	0	45,8559	0	-0,6388	0	124,5089	171-4	0
Story1	B13	171	Comb4	Combination	Max		4,500	0	77,7407	0	-0,6891	0	39,9281	171-5	0,5
Story1	B13	171	Comb4	Combination	Max		4,000	0	74,1719	0	-0,6891	0	75,2224	171-5	0
Story1	B13	171	Comb4	Combination	Min		4,500	0	72,373	0	-0,7112	0	31,879	171-5	0,5
Story1	B13	171	Comb4	Combination	Min		4,000	0	68,8042	0	-0,7112	0	69,8571	171-5	0
Story1	B13	171	Comb5	Combination	Max		1,000	0	-75,9555	0	0,0778	0	2,8411	171-2	0
Story1	B13	171	Comb5	Combination	Max		1,000	0	-91,4779	0	-0,0031	0	2,675	171-1	1
Story1	B13	171	Comb5	Combination	Max		3,000	0	-45,8692	0	0,0997	0	124,528	171-3	1
Story1	B13	171	Comb5	Combination	Max		2,500	0	-49,438	0	0,0997	0	100,7011	171-3	0,5
Story1	B13	171	Comb5	Combination	Max		2,000	0	-53,0067	0	0,0997	0	75,09	171-3	0
Story1	B13	171	Comb5	Combination	Min		1,000	0	-81,3232	0	0,0557	0	-7,8918	171-2	0
Story1	B13	171	Comb5	Combination	Min		1,000	0	-96,8591	0	-0,0274	0	-8,0579	171-1	1
Story1	B13	171	Comb5	Combination	Max		0,663	0	-93,8868	0	-0,0031	0	-28,6053	171-1	0,6625
Story1	B13	171	Comb5	Combination	Min		3,000	0	-51,2334	0	0,0787	0	124,5279	171-3	1
Story1	B13	171	Comb5	Combination	Min		2,500	0	-54,8021	0	0,0787	0	98,0191	171-3	0,5
Story1	B13	171	Comb5	Combination	Min		2,000	0	-58,3708	0	0,0787	0	69,7259	171-3	0
Story1	B13	171	Comb5	Combination	Min		0,663	0	-99,268	0	-0,0274	0	-41,1544	171-1	0,6625
Story1	B13	171	Comb5	Combination	Max		2,000	0	-68,8181	0	0,0778	0	75,228	171-2	1
Story1	B13	171	Comb5	Combination	Max		1,500	0	-72,3868	0	0,0778	0	39,9267	171-2	0,5
Story1	B13	171	Comb5	Combination	Max		0,325	0	-96,2957	0	-0,0031	0	-60,6986	171-1	0,325

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb5	Combination	Min		2,000	0	-74,1858	0	0,0557	0	69,8627	171-2	1
Story1	B13	171	Comb5	Combination	Min		1,500	0	-77,7545	0	0,0557	0	31,8776	171-2	0,5
Story1	B13	171	Comb5	Combination	Max		4,500	0	126,7442	0	-0,0557	0	-33,5366	171-5	0,5
Story1	B13	171	Comb5	Combination	Max		4,000	0	123,1754	0	-0,0557	0	26,2595	171-5	0
Story1	B13	171	Comb5	Combination	Min		0,325	0	-101,677	0	-0,0274	0	-75,0638	171-1	0,325
Story1	B13	171	Comb5	Combination	Min		4,500	0	121,3765	0	-0,0778	0	-41,5857	171-5	0,5
Story1	B13	171	Comb5	Combination	Min		4,000	0	117,8078	0	-0,0778	0	20,8942	171-5	0
Story1	B13	171	Comb5	Combination	Max		4,000	0	107,3289	0	-0,0786	0	26,1318	171-4	1
Story1	B13	171	Comb5	Combination	Max		3,500	0	103,7602	0	-0,0786	0	76,222	171-4	0,5
Story1	B13	171	Comb5	Combination	Max		3,000	0	100,1915	0	-0,0786	0	124,5279	171-4	0
Story1	B13	171	Comb5	Combination	Max		5,000	0	130,3129	0	-0,0557	0	-95,117	171-5	1
Story1	B13	171	Comb5	Combination	Min		4,000	0	101,9648	0	-0,0997	0	20,7677	171-4	1
Story1	B13	171	Comb5	Combination	Min		3,500	0	98,3961	0	-0,0997	0	73,54	171-4	0,5
Story1	B13	171	Comb5	Combination	Min		3,000	0	94,8273	0	-0,0997	0	124,5279	171-4	0
Story1	B13	171	Comb5	Combination	Max		5,000	0	145,9709	0	0,0273	0	-95,283	171-6	0
Story1	B13	171	Comb5	Combination	Min		5,000	0	124,9452	0	-0,0778	0	-105,85	171-5	1
Story1	B13	171	Comb5	Combination	Min		5,000	0	140,5897	0	0,0031	0	-106,016	171-6	0
Story1	B13	171	Comb5	Combination	Max		5,338	0	148,3798	0	0,0273	0	-143,139	171-6	0,3375
Story1	B13	171	Comb5	Combination	Min		5,338	0	142,9985	0	0,0031	0	-155,688	171-6	0,3375
Story1	B13	171	Comb5	Combination	Max		5,675	0	150,7886	0	0,0273	0	-191,807	171-6	0,675
Story1	B13	171	Comb5	Combination	Min		5,675	0	145,4074	0	0,0031	0	-206,172	171-6	0,675
Story1	B13	171	Comb6	Combination	Max		5,000	0	80,5044	0	-0,0591	0	1,2039	171-5	1
Story1	B13	171	Comb6	Combination	Max		5,000	0	96,0383	0	0,0237	0	1,0378	171-6	0
Story1	B13	171	Comb6	Combination	Min		5,000	0	76,7743	0	-0,0745	0	-6,2546	171-5	1
Story1	B13	171	Comb6	Combination	Min		5,000	0	92,2988	0	0,0068	0	-6,4207	171-6	0
Story1	B13	171	Comb6	Combination	Max		3,000	0	-95,6456	0	0,0965	0	124,5279	171-3	1

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb6	Combination	Max		2,500	0	-99,2143	0	0,0965	0	75,8129	171-3	0,5
Story1	B13	171	Comb6	Combination	Max		5,338	0	98,4472	0	0,0237	0	-30,5196	171-6	0,3375
Story1	B13	171	Comb6	Combination	Max		2,000	0	-102,783	0	0,0965	0	25,3135	171-3	0
Story1	B13	171	Comb6	Combination	Min		3,000	0	-99,3732	0	0,0818	0	124,5279	171-3	1
Story1	B13	171	Comb6	Combination	Min		2,500	0	-102,942	0	0,0818	0	73,9491	171-3	0,5
Story1	B13	171	Comb6	Combination	Min		2,000	0	-106,511	0	0,0818	0	21,5859	171-3	0
Story1	B13	171	Comb6	Combination	Min		5,338	0	94,7077	0	0,0068	0	-39,2401	171-6	0,3375
Story1	B13	171	Comb6	Combination	Max		2,000	0	-118,627	0	0,0745	0	25,441	171-2	1
Story1	B13	171	Comb6	Combination	Max		1,500	0	-122,195	0	0,0745	0	-34,7644	171-2	0,5
Story1	B13	171	Comb6	Combination	Max		5,675	0	100,856	0	0,0237	0	-62,8899	171-6	0,675
Story1	B13	171	Comb6	Combination	Min		2,000	0	-122,357	0	0,0591	0	21,7126	171-2	1
Story1	B13	171	Comb6	Combination	Min		1,500	0	-125,925	0	0,0591	0	-40,3579	171-2	0,5
Story1	B13	171	Comb6	Combination	Max		4,500	0	76,9357	0	-0,0591	0	38,6989	171-5	0,5
Story1	B13	171	Comb6	Combination	Max		4,000	0	73,367	0	-0,0591	0	74,4095	171-5	0
Story1	B13	171	Comb6	Combination	Min		5,675	0	97,1166	0	0,0068	0	-72,8725	171-6	0,675
Story1	B13	171	Comb6	Combination	Min		4,500	0	73,2056	0	-0,0745	0	33,1055	171-5	0,5
Story1	B13	171	Comb6	Combination	Min		4,000	0	69,6369	0	-0,0745	0	70,6811	171-5	0
Story1	B13	171	Comb6	Combination	Max		4,000	0	57,5526	0	-0,0819	0	74,2717	171-4	1
Story1	B13	171	Comb6	Combination	Max		3,500	0	53,9839	0	-0,0819	0	100,292	171-4	0,5
Story1	B13	171	Comb6	Combination	Max		3,000	0	50,4151	0	-0,0819	0	124,528	171-4	0
Story1	B13	171	Comb6	Combination	Min		4,000	0	53,825	0	-0,0965	0	70,5441	171-4	1
Story1	B13	171	Comb6	Combination	Min		3,500	0	50,2562	0	-0,0965	0	98,4282	171-4	0,5
Story1	B13	171	Comb6	Combination	Min		3,000	0	46,6875	0	-0,0965	0	124,5279	171-4	0
Story1	B13	171	Comb6	Combination	Max		1,000	0	-125,764	0	0,0745	0	-96,7543	171-2	0
Story1	B13	171	Comb6	Combination	Max		1,000	0	-141,411	0	-0,0068	0	-96,9203	171-1	1
Story1	B13	171	Comb6	Combination	Min		1,000	0	-129,494	0	0,0591	0	-104,213	171-2	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb6	Combination	Min		1,000	0	-145,15	0	-0,0236	0	-104,379	171-1	1
Story1	B13	171	Comb6	Combination	Max		0,663	0	-143,819	0	-0,0068	0	-145,053	171-1	0,6625
Story1	B13	171	Comb6	Combination	Min		0,663	0	-147,559	0	-0,0236	0	-153,773	171-1	0,6625
Story1	B13	171	Comb6	Combination	Max		0,325	0	-146,228	0	-0,0068	0	-193,998	171-1	0,325
Story1	B13	171	Comb6	Combination	Min		0,325	0	-149,968	0	-0,0236	0	-203,981	171-1	0,325
Story1	B13	171	Comb7	Combination	Max		2,000	0	-13,656	0	0,4813	0	130,3537	171-2	1
Story1	B13	171	Comb7	Combination	Max		1,500	0	-17,2247	0	0,4813	0	122,6335	171-2	0,5
Story1	B13	171	Comb7	Combination	Min		2,000	0	-15,0207	0	0,4757	0	128,9896	171-2	1
Story1	B13	171	Comb7	Combination	Min		1,500	0	-18,5894	0	0,4757	0	120,5871	171-2	0,5
Story1	B13	171	Comb7	Combination	Max		3,000	0	9,257	0	0,4423	0	124,5157	171-3	1
Story1	B13	171	Comb7	Combination	Max		2,500	0	5,6883	0	0,4423	0	128,252	171-3	0,5
Story1	B13	171	Comb7	Combination	Max		2,000	0	2,1196	0	0,4423	0	130,204	171-3	0
Story1	B13	171	Comb7	Combination	Min		3,000	0	7,8933	0	0,437	0	124,5157	171-3	1
Story1	B13	171	Comb7	Combination	Min		2,500	0	4,3246	0	0,437	0	127,5701	171-3	0,5
Story1	B13	171	Comb7	Combination	Min		2,000	0	0,7558	0	0,437	0	128,8402	171-3	0
Story1	B13	171	Comb7	Combination	Max		1,000	0	-20,7934	0	0,4813	0	113,1289	171-2	0
Story1	B13	171	Comb7	Combination	Max		1,000	0	-36,1799	0	0,4763	0	112,9627	171-1	1
Story1	B13	171	Comb7	Combination	Min		1,000	0	-22,1581	0	0,4757	0	110,4002	171-2	0
Story1	B13	171	Comb7	Combination	Min		1,000	0	-37,548	0	0,4702	0	110,234	171-1	1
Story1	B13	171	Comb7	Combination	Max		0,663	0	-38,5888	0	0,4763	0	100,3455	171-1	0,6625
Story1	B13	171	Comb7	Combination	Min		0,663	0	-39,9569	0	0,4702	0	97,155	171-1	0,6625
Story1	B13	171	Comb7	Combination	Max		0,325	0	-40,9977	0	0,4763	0	86,9153	171-1	0,325
Story1	B13	171	Comb7	Combination	Min		0,325	0	-42,3658	0	0,4702	0	83,2631	171-1	0,325
Story1	B13	171	Comb7	Combination	Max		4,000	0	162,4378	0	-0,4369	0	-32,9899	171-4	1
Story1	B13	171	Comb7	Combination	Max		3,500	0	158,8691	0	-0,4369	0	46,655	171-4	0,5
Story1	B13	171	Comb7	Combination	Max		3,000	0	155,3004	0	-0,4369	0	124,5155	171-4	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb7	Combination	Min		4,000	0	161,0741	0	-0,4422	0	-34,3537	171-4	1
Story1	B13	171	Comb7	Combination	Min		3,500	0	157,5053	0	-0,4422	0	45,9731	171-4	0,5
Story1	B13	171	Comb7	Combination	Max		5,000	0	185,457	0	-0,4757	0	-213,398	171-5	1
Story1	B13	171	Comb7	Combination	Max		5,000	0	201,2538	0	-0,4703	0	-213,564	171-6	0
Story1	B13	171	Comb7	Combination	Min		5,000	0	184,0924	0	-0,4813	0	-216,127	171-5	1
Story1	B13	171	Comb7	Combination	Min		5,000	0	199,8857	0	-0,4764	0	-216,293	171-6	0
Story1	B13	171	Comb7	Combination	Min		3,000	0	153,9366	0	-0,4422	0	124,5154	171-4	0
Story1	B13	171	Comb7	Combination	Max		4,500	0	181,8883	0	-0,4757	0	-122,244	171-5	0,5
Story1	B13	171	Comb7	Combination	Max		4,000	0	178,3196	0	-0,4757	0	-32,8747	171-5	0
Story1	B13	171	Comb7	Combination	Min		4,500	0	180,5236	0	-0,4813	0	-124,291	171-5	0,5
Story1	B13	171	Comb7	Combination	Min		4,000	0	176,9549	0	-0,4813	0	-34,2387	171-5	0
Story1	B13	171	Comb7	Combination	Max		5,338	0	203,6627	0	-0,4703	0	-281,432	171-6	0,3375
Story1	B13	171	Comb7	Combination	Min		5,338	0	202,2946	0	-0,4764	0	-284,623	171-6	0,3375
Story1	B13	171	Comb7	Combination	Max		5,675	0	206,0716	0	-0,4703	0	-350,113	171-6	0,675
Story1	B13	171	Comb7	Combination	Min		5,675	0	204,7034	0	-0,4764	0	-353,765	171-6	0,675
Story1	B13	171	Comb8	Combination	Max		2,000	0	-175,59	0	0,4869	0	-31,5106	171-2	1
Story1	B13	171	Comb8	Combination	Max		1,500	0	-179,159	0	0,4869	0	-120,198	171-2	0,5
Story1	B13	171	Comb8	Combination	Min		2,000	0	-179,684	0	0,47	0	-35,6028	171-2	1
Story1	B13	171	Comb8	Combination	Min		1,500	0	-183,253	0	0,47	0	-126,337	171-2	0,5
Story1	B13	171	Comb8	Combination	Max		3,000	0	-152,573	0	0,4476	0	124,5155	171-3	1
Story1	B13	171	Comb8	Combination	Max		2,500	0	-156,142	0	0,4476	0	47,3368	171-3	0,5
Story1	B13	171	Comb8	Combination	Max		2,000	0	-159,71	0	0,4476	0	-31,6261	171-3	0
Story1	B13	171	Comb8	Combination	Max		5,000	0	23,5228	0	-0,47	0	115,8576	171-5	1
Story1	B13	171	Comb8	Combination	Max		5,000	0	38,9161	0	-0,464	0	115,6914	171-6	0
Story1	B13	171	Comb8	Combination	Min		3,000	0	-156,664	0	0,4315	0	124,5154	171-3	1
Story1	B13	171	Comb8	Combination	Min		2,500	0	-160,233	0	0,4315	0	45,2912	171-3	0,5

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb8	Combination	Min		2,000	0	-163,802	0	0,4315	0	-35,7174	171-3	0
Story1	B13	171	Comb8	Combination	Min		5,000	0	19,4288	0	-0,4869	0	107,6715	171-5	1
Story1	B13	171	Comb8	Combination	Min		5,000	0	34,8118	0	-0,4825	0	107,5053	171-6	0
Story1	B13	171	Comb8	Combination	Max		5,338	0	41,325	0	-0,464	0	103,5359	171-6	0,3375
Story1	B13	171	Comb8	Combination	Min		5,338	0	37,2207	0	-0,4825	0	93,9646	171-6	0,3375
Story1	B13	171	Comb8	Combination	Max		5,675	0	43,7339	0	-0,464	0	90,5674	171-6	0,675
Story1	B13	171	Comb8	Combination	Min		5,675	0	39,6296	0	-0,4825	0	79,6109	171-6	0,675
Story1	B13	171	Comb8	Combination	Max		4,000	0	0,6079	0	-0,4316	0	131,5678	171-4	1
Story1	B13	171	Comb8	Combination	Max		1,000	0	-182,728	0	0,4869	0	-210,67	171-2	0
Story1	B13	171	Comb8	Combination	Max		1,000	0	-198,518	0	0,4826	0	-210,836	171-1	1
Story1	B13	171	Comb8	Combination	Max		3,500	0	-2,9608	0	-0,4316	0	128,9339	171-4	0,5
Story1	B13	171	Comb8	Combination	Max		3,000	0	-6,5295	0	-0,4316	0	124,5157	171-4	0
Story1	B13	171	Comb8	Combination	Min		4,000	0	-3,4834	0	-0,4477	0	127,4765	171-4	1
Story1	B13	171	Comb8	Combination	Min		3,500	0	-7,0521	0	-0,4477	0	126,8883	171-4	0,5
Story1	B13	171	Comb8	Combination	Min		3,000	0	-10,6208	0	-0,4477	0	124,5157	171-4	0
Story1	B13	171	Comb8	Combination	Max		4,500	0	19,954	0	-0,47	0	124,6799	171-5	0,5
Story1	B13	171	Comb8	Combination	Max		4,000	0	16,3853	0	-0,47	0	131,7177	171-5	0
Story1	B13	171	Comb8	Combination	Min		1,000	0	-186,822	0	0,47	0	-218,856	171-2	0
Story1	B13	171	Comb8	Combination	Min		1,000	0	-202,622	0	0,4641	0	-219,022	171-1	1
Story1	B13	171	Comb8	Combination	Min		4,500	0	15,86	0	-0,4869	0	118,5407	171-5	0,5
Story1	B13	171	Comb8	Combination	Min		4,000	0	12,2913	0	-0,4869	0	127,6256	171-5	0
Story1	B13	171	Comb8	Combination	Max		0,663	0	-200,927	0	0,4826	0	-278,242	171-1	0,6625
Story1	B13	171	Comb8	Combination	Min		0,663	0	-205,031	0	0,4641	0	-287,813	171-1	0,6625
Story1	B13	171	Comb8	Combination	Max		0,325	0	-203,335	0	0,4826	0	-346,461	171-1	0,325
Story1	B13	171	Comb8	Combination	Min		0,325	0	-207,44	0	0,4641	0	-357,417	171-1	0,325
Story1	B13	171	Comb9	Combination	Max		1,000	0	-19,4329	0	0,2969	0	115,8552	171-2	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb9	Combination	Max		1,000	0	-34,8153	0	0,257	0	115,6889	171-1	1
Story1	B13	171	Comb9	Combination	Min		1,000	0	-23,5269	0	0,28	0	107,669	171-2	0
Story1	B13	171	Comb9	Combination	Min		1,000	0	-38,9196	0	0,2385	0	107,5028	171-1	1
Story1	B13	171	Comb9	Combination	Max		0,663	0	-37,2242	0	0,257	0	103,5323	171-1	0,6625
Story1	B13	171	Comb9	Combination	Max		2,000	0	-12,2955	0	0,2969	0	131,7194	171-2	1
Story1	B13	171	Comb9	Combination	Min		0,663	0	-41,3285	0	0,2385	0	93,9609	171-1	0,6625
Story1	B13	171	Comb9	Combination	Max		0,325	0	-39,633	0	0,257	0	90,5626	171-1	0,325
Story1	B13	171	Comb9	Combination	Max		1,500	0	-15,8642	0	0,2969	0	124,6795	171-2	0,5
Story1	B13	171	Comb9	Combination	Max		3,000	0	10,6168	0	0,2859	0	124,5214	171-3	1
Story1	B13	171	Comb9	Combination	Max		2,500	0	7,0481	0	0,2859	0	128,9376	171-3	0,5
Story1	B13	171	Comb9	Combination	Max		2,000	0	3,4793	0	0,2859	0	131,5694	171-3	0
Story1	B13	171	Comb9	Combination	Min		0,325	0	-43,7374	0	0,2385	0	79,6061	171-1	0,325
Story1	B13	171	Comb9	Combination	Min		2,000	0	-16,3895	0	0,28	0	127,6272	171-2	1
Story1	B13	171	Comb9	Combination	Min		1,500	0	-19,9582	0	0,28	0	118,5403	171-2	0,5
Story1	B13	171	Comb9	Combination	Min		3,000	0	6,5255	0	0,2699	0	124,5214	171-3	1
Story1	B13	171	Comb9	Combination	Min		2,500	0	2,9568	0	0,2699	0	126,892	171-3	0,5
Story1	B13	171	Comb9	Combination	Min		2,000	0	-0,612	0	0,2699	0	127,4782	171-3	0
Story1	B13	171	Comb9	Combination	Max		4,000	0	163,8056	0	-0,2698	0	-31,6245	171-4	1
Story1	B13	171	Comb9	Combination	Max		3,500	0	160,2369	0	-0,2698	0	47,3405	171-4	0,5
Story1	B13	171	Comb9	Combination	Max		3,000	0	156,6682	0	-0,2698	0	124,5212	171-4	0
Story1	B13	171	Comb9	Combination	Max		4,500	0	183,2571	0	-0,28	0	-120,198	171-5	0,5
Story1	B13	171	Comb9	Combination	Max		4,000	0	179,6884	0	-0,28	0	-31,509	171-5	0
Story1	B13	171	Comb9	Combination	Min		4,000	0	159,7143	0	-0,2858	0	-35,7157	171-4	1
Story1	B13	171	Comb9	Combination	Min		3,500	0	156,1456	0	-0,2858	0	45,2949	171-4	0,5
Story1	B13	171	Comb9	Combination	Min		3,000	0	152,5769	0	-0,2858	0	124,5211	171-4	0
Story1	B13	171	Comb9	Combination	Min		4,500	0	179,1631	0	-0,2969	0	-126,338	171-5	0,5

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Comb9	Combination	Min		4,000	0	175,5944	0	-0,2969	0	-35,6011	171-5	0
Story1	B13	171	Comb9	Combination	Max		5,000	0	186,8258	0	-0,28	0	-210,672	171-5	1
Story1	B13	171	Comb9	Combination	Max		5,000	0	202,6254	0	-0,2386	0	-210,838	171-6	0
Story1	B13	171	Comb9	Combination	Min		5,000	0	182,7318	0	-0,2969	0	-218,858	171-5	1
Story1	B13	171	Comb9	Combination	Min		5,000	0	198,5211	0	-0,2571	0	-219,024	171-6	0
Story1	B13	171	Comb9	Combination	Max		5,338	0	205,0343	0	-0,2386	0	-278,245	171-6	0,3375
Story1	B13	171	Comb9	Combination	Min		5,338	0	200,9299	0	-0,2571	0	-287,817	171-6	0,3375
Story1	B13	171	Comb9	Combination	Max		5,675	0	207,4431	0	-0,2386	0	-346,466	171-6	0,675
Story1	B13	171	Comb9	Combination	Min		5,675	0	203,3388	0	-0,2571	0	-357,422	171-6	0,675
Story1	B13	171	Px	Combination			1,500	0	-80,544	0	0,3123	0	-0,7374	171-2	0,5
Story1	B13	171	Px	Combination			2,000	0	-77,8668	0	0,3123	0	38,8653	171-2	1
Story1	B13	171	Px	Combination			2,000	0	-64,8156	0	0,2922	0	38,7559	171-3	0
Story1	B13	171	Px	Combination			2,500	0	-62,1384	0	0,2922	0	70,4944	171-3	0,5
Story1	B13	171	Px	Combination			3,000	0	-59,4612	0	0,2922	0	100,8943	171-3	1
Story1	B13	171	Px	Combination			1,000	0	-83,2212	0	0,3123	0	-41,6787	171-2	0
Story1	B13	171	Px	Combination			5,000	0	83,2212	0	-0,3123	0	-41,6787	171-5	1
Story1	B13	171	Px	Combination			1,000	0	-96,078	0	0,2936	0	-41,8155	171-1	1
Story1	B13	171	Px	Combination			5,000	0	96,078	0	-0,2936	0	-41,8155	171-6	0
Story1	B13	171	Px	Combination			0,663	0	-97,8851	0	0,2936	0	-74,5468	171-1	0,6625
Story1	B13	171	Px	Combination			5,338	0	97,8851	0	-0,2936	0	-74,5468	171-6	0,3375
Story1	B13	171	Px	Combination			0,325	0	-99,6922	0	0,2936	0	-107,888	171-1	0,325
Story1	B13	171	Px	Combination			5,675	0	99,6922	0	-0,2936	0	-107,888	171-6	0,675
Story1	B13	171	Px	Combination			3,000	0	59,4612	0	-0,2922	0	100,8943	171-4	0
Story1	B13	171	Px	Combination			3,500	0	62,1384	0	-0,2922	0	70,4944	171-4	0,5
Story1	B13	171	Px	Combination			4,000	0	64,8156	0	-0,2922	0	38,7559	171-4	1
Story1	B13	171	Px	Combination			4,000	0	77,8668	0	-0,3123	0	38,8653	171-5	0

Story	Beam	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story1	B13	171	Px	Combination			4,500	0	80,544	0	-0,3123	0	-0,7374	171-5	0,5

LAMPIRAN TABEL *ELEMEN FORCE – BEAM (GRID 2/C-D LT 1) (TSD)*

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB1	1B121		350x650	2,675	-55,441	0	98,84	0	0	0,307	1,1	0
COMB1	1B121		350x650	4,013	-76,531	0	13,045	0	0	0,307	0,6	0
COMB1	1B121		350x650	5,35	-98,616	0	-106,532	0	0	0,307	0	0
COMB1	1B121		350x650	0	98,982	0	-106,386	0	0	-0,307	0	0
COMB1	1B121		350x650	1,338	76,024	0	12,685	0	0	-0,307	0,6	0
COMB1	1B121		350x650	2,675	55,871	0	98,841	0	0	-0,307	1,1	0
COMB1 0	1B121		350x650	2,675	10,984	0	123,803	0	0	0,291	1,4	0
COMB1 0	1B121		350x650	3,4	1,382	0	128,829	0	0	0,291	1,6	0
COMB1 0	1B121		350x650	3,469	0,006	0	128,878	0	0	0,291	1,6	0
COMB1 0	1B121		350x650	4,013	-13,556	0	125,416	0	0	0,291	1,5	0
COMB1 0	1B121		350x650	5,35	-39,456	0	86,644	0	0	0,291	0	0
COMB1 0	1B121		350x650	0	203,601	0	-350,909	0	0	-0,291	0	0
COMB1 0	1B121		350x650	0,556	195,712	0	-239,536	0	0	-0,291	-0,3	0
COMB1 0	1B121		350x650	1,338	176,519	0	-93,943	0	0	-0,291	0,1	0
COMB1 0	1B121		350x650	2,675	153,23	0	123,803	0	0	-0,291	1,4	0
COMB1 1	1B121		350x650	2,675	-54,924	0	54,159	0	0	0,508	0,6	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB1 1	1B121		350x65 0	4,013	-66,482	0	-25,682	0	0	0,508	0,1	0
COMB1 1	1B121		350x65 0	4,936	-76,196	0	-91,963	0	0	0,508	-0,1	0
COMB1 1	1B121		350x65 0	5,35	-78,585	0	-124,037	0	0	0,508	0	0
COMB1 1	1B121		350x65 0	0	29,692	0	7,367	0	0	-0,508	0	0
COMB1 1	1B121		350x65 0	1,338	17,111	0	39,782	0	0	-0,508	0,5	0
COMB1 1	1B121		350x65 0	2,163	9,052	0	50,367	0	0	-0,508	0,7	0
COMB1 1	1B121		350x65 0	2,675	6,066	0	54,159	0	0	-0,508	0,6	0
COMB1 2	1B121		350x65 0	2,675	-5,831	0	54,159	0	0	0,508	0,6	0
COMB1 2	1B121		350x65 0	3,189	-8,837	0	50,466	0	0	0,508	0,7	0
COMB1 2	1B121		350x65 0	4,013	-17,389	0	39,98	0	0	0,508	0,5	0
COMB1 2	1B121		350x65 0	5,35	-29,492	0	7,287	0	0	0,508	0	0
COMB1 2	1B121		350x65 0	0	78,785	0	-123,957	0	0	-0,508	0	0
COMB1 2	1B121		350x65 0	0,414	76,203	0	-91,784	0	0	-0,508	-0,1	0
COMB1 2	1B121		350x65 0	1,338	66,204	0	-25,88	0	0	-0,508	0,1	0
COMB1 2	1B121		350x65 0	2,675	55,16	0	54,159	0	0	-0,508	0,6	0
COMB1 3	1B121		350x65 0	0	29,705	0	7,351	0	0	0,171	0	0
COMB1 3	1B121		350x65 0	1,338	17,123	0	39,783	0	0	0,171	0,5	0
COMB1 3	1B121		350x65 0	2,163	9,063	0	50,379	0	0	0,171	0,7	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB1 3	1B121		350x65 0	2,675	6,079	0	54,176	0	0	0,171	0,6	0
COMB1 3	1B121		350x65 0	2,675	-54,936	0	54,176	0	0	-0,171	0,6	0
COMB1 3	1B121		350x65 0	4,013	-66,494	0	-25,681	0	0	-0,171	0,1	0
COMB1 3	1B121		350x65 0	4,936	-76,209	0	-91,981	0	0	-0,171	-0,1	0
COMB1 3	1B121		350x65 0	5,35	-78,597	0	-124,052	0	0	-0,171	0	0
COMB1 4	1B121		350x65 0	0	78,798	0	-123,973	0	0	0,171	0	0
COMB1 4	1B121		350x65 0	0,414	76,216	0	-91,801	0	0	0,171	-0,1	0
COMB1 4	1B121		350x65 0	1,338	66,216	0	-25,879	0	0	0,171	0,1	0
COMB1 4	1B121		350x65 0	2,675	55,172	0	54,176	0	0	0,171	0,6	0
COMB1 4	1B121		350x65 0	2,675	-5,843	0	54,176	0	0	-0,171	0,6	0
COMB1 4	1B121		350x65 0	3,189	-8,848	0	50,478	0	0	-0,171	0,7	0
COMB1 4	1B121		350x65 0	4,013	-17,401	0	39,981	0	0	-0,171	0,5	0
COMB1 4	1B121		350x65 0	5,35	-29,504	0	7,271	0	0	-0,171	0	0
COMB1 5	1B121		350x65 0	2,675	-112,203	0	54,165	0	0	0,27	0,6	0
COMB1 5	1B121		350x65 0	4,013	-123,761	0	-102,287	0	0	0,27	-0,3	0
COMB1 5	1B121		350x65 0	4,534	-129,862	0	-168,485	0	0	0,27	-0,5	0
COMB1 5	1B121		350x65 0	5,35	-135,864	0	-277,254	0	0	0,27	0	0
COMB1 5	1B121		350x65 0	0	-27,579	0	160,572	0	0	-0,27	0	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB15	1B121		350x650	1,338	-40,16	0	116,388	0	0	-0,27	1	0
COMB15	1B121		350x650	1,524	-42,249	0	108,691	0	0	-0,27	1	0
COMB15	1B121		350x650	2,675	-51,204	0	54,165	0	0	-0,27	0,6	0
COMB16	1B121		350x650	2,675	51,44	0	54,165	0	0	0,27	0,6	0
COMB16	1B121		350x650	3,826	42,216	0	108,915	0	0	0,27	1	0
COMB16	1B121		350x650	4,013	39,882	0	116,586	0	0	0,27	1	0
COMB16	1B121		350x650	5,35	27,779	0	160,493	0	0	0,27	0	0
COMB16	1B121		350x650	0	136,065	0	-277,174	0	0	-0,27	0	0
COMB16	1B121		350x650	0,817	129,393	0	-168,338	0	0	-0,27	-0,5	0
COMB16	1B121		350x650	1,338	123,483	0	-102,485	0	0	-0,27	-0,3	0
COMB16	1B121		350x650	2,675	112,439	0	54,165	0	0	-0,27	0,6	0
COMB17	1B121		350x650	2,675	-112,207	0	54,17	0	0	0,066	0,6	0
COMB17	1B121		350x650	4,013	-123,765	0	-102,287	0	0	0,066	-0,3	0
COMB17	1B121		350x650	4,534	-129,865	0	-168,489	0	0	0,066	-0,5	0
COMB17	1B121		350x650	5,35	-135,868	0	-277,258	0	0	0,066	0	0
COMB17	1B121		350x650	0	-27,575	0	160,568	0	0	-0,066	0	0
COMB17	1B121		350x650	1,338	-40,156	0	116,388	0	0	-0,066	1	0
COMB17	1B121		350x650	1,524	-42,246	0	108,691	0	0	-0,066	1	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB17	1B121		350x650	2,675	-51,201	0	54,17	0	0	-0,066	0,6	0
COMB18	1B121		350x650	2,675	51,437	0	54,17	0	0	0,066	0,6	0
COMB18	1B121		350x650	3,826	42,212	0	108,915	0	0	0,066	1	0
COMB18	1B121		350x650	4,013	39,879	0	116,586	0	0	0,066	1	0
COMB18	1B121		350x650	5,35	27,776	0	160,488	0	0	0,066	0	0
COMB18	1B121		350x650	0	136,069	0	-277,179	0	0	-0,066	0	0
COMB18	1B121		350x650	0,817	129,397	0	-168,342	0	0	-0,066	-0,5	0
COMB18	1B121		350x650	1,338	123,487	0	-102,485	0	0	-0,066	-0,3	0
COMB18	1B121		350x650	2,675	112,443	0	54,17	0	0	-0,066	0,6	0
COMB2	1B121		350x650	2,675	-76,414	0	132,252	0	0	0,424	1,5	0
COMB2	1B121		350x650	4,013	-101,631	0	16,878	0	0	0,424	0,8	0
COMB2	1B121		350x650	5,35	-128,363	0	-140,612	0	0	0,424	0	0
COMB2	1B121		350x650	0	128,921	0	-140,399	0	0	-0,424	0	0
COMB2	1B121		350x650	1,338	100,88	0	16,341	0	0	-0,424	0,8	0
COMB2	1B121		350x650	2,675	77,04	0	132,252	0	0	-0,424	1,5	0
COMB3	1B121		350x650	2,675	-95,376	0	123,792	0	0	0,732	1,4	0
COMB3	1B121		350x650	4,013	-119,916	0	-16,853	0	0	0,732	0,6	0
COMB3	1B121		350x650	5,35	-145,816	0	-197,881	0	0	0,732	0	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB3	1B121		350x650	0	97,224	0	-66,364	0	0	-0,732	0	0
COMB3	1B121		350x650	1,338	70,142	0	48,323	0	0	-0,732	1	0
COMB3	1B121		350x650	2,474	48,616	0	114,213	0	0	-0,732	1,4	0
COMB3	1B121		350x650	2,675	46,854	0	123,792	0	0	-0,732	1,4	0
COMB4	1B121		350x650	2,675	-46,283	0	123,792	0	0	0,732	1,4	0
COMB4	1B121		350x650	2,879	-48,078	0	114,176	0	0	0,732	1,4	0
COMB4	1B121		350x650	4,013	-70,823	0	48,809	0	0	0,732	1	0
COMB4	1B121		350x650	5,35	-96,723	0	-66,557	0	0	0,732	0	0
COMB4	1B121		350x650	0	146,317	0	-197,687	0	0	-0,732	0	0
COMB4	1B121		350x650	1,338	119,235	0	-17,338	0	0	-0,732	0,6	0
COMB4	1B121		350x650	2,675	95,947	0	123,792	0	0	-0,732	1,4	0
COMB5	1B121		350x650	2,675	-95,389	0	123,809	0	0	0,053	1,4	0
COMB5	1B121		350x650	4,013	-119,928	0	-16,852	0	0	0,053	0,6	0
COMB5	1B121		350x650	5,35	-145,828	0	-197,897	0	0	0,053	0	0
COMB5	1B121		350x650	0	97,237	0	-66,379	0	0	-0,053	0	0
COMB5	1B121		350x650	1,338	70,155	0	48,324	0	0	-0,053	1	0
COMB5	1B121		350x650	2,474	48,628	0	114,23	0	0	-0,053	1,4	0
COMB5	1B121		350x650	2,675	46,866	0	123,809	0	0	-0,053	1,4	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB6	1B121		350x650	2,675	-46,296	0	123,809	0	0	0,053	1,4	0
COMB6	1B121		350x650	2,879	-48,09	0	114,193	0	0	0,053	1,4	0
COMB6	1B121		350x650	4,013	-70,835	0	48,81	0	0	0,053	1	0
COMB6	1B121		350x650	5,35	-96,735	0	-66,573	0	0	0,053	0	0
COMB6	1B121		350x650	0	146,33	0	-197,703	0	0	-0,053	0	0
COMB6	1B121		350x650	1,338	119,248	0	-17,338	0	0	-0,053	0,6	0
COMB6	1B121		350x650	2,675	95,959	0	123,809	0	0	-0,053	1,4	0
COMB7	1B121		350x650	2,675	-152,656	0	123,798	0	0	0,495	1,4	0
COMB7	1B121		350x650	4,013	-177,196	0	-93,458	0	0	0,495	0,1	0
COMB7	1B121		350x650	4,795	-196,071	0	-240,085	0	0	0,495	-0,3	0
COMB7	1B121		350x650	5,35	-203,096	0	-351,098	0	0	0,495	0	0
COMB7	1B121		350x650	0	39,953	0	86,842	0	0	-0,495	0	0
COMB7	1B121		350x650	1,338	12,871	0	124,929	0	0	-0,495	1,5	0
COMB7	1B121		350x650	1,907	0,002	0	128,43	0	0	-0,495	1,6	0
COMB7	1B121		350x650	1,951	-0,854	0	128,411	0	0	-0,495	1,6	0
COMB7	1B121		350x650	2,675	-10,417	0	123,798	0	0	-0,495	1,4	0
COMB8	1B121		350x650	2,675	10,988	0	123,798	0	0	0,495	1,4	0
COMB8	1B121		350x650	3,4	1,385	0	128,827	0	0	0,495	1,6	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB8	1B121		350x650	3,469	0,006	0	128,875	0	0	0,495	1,6	0
COMB8	1B121		350x650	4,013	-13,552	0	125,415	0	0	0,495	1,5	0
COMB8	1B121		350x650	5,35	-39,452	0	86,648	0	0	0,495	0	0
COMB8	1B121		350x650	0	203,597	0	-350,904	0	0	-0,495	0	0
COMB8	1B121		350x650	0,556	195,708	0	-239,531	0	0	-0,495	-0,3	0
COMB8	1B121		350x650	1,338	176,515	0	-93,944	0	0	-0,495	0,1	0
COMB8	1B121		350x650	2,675	153,227	0	123,798	0	0	-0,495	1,4	0
COMB9	1B121		350x650	2,675	-152,66	0	123,803	0	0	0,291	1,4	0
COMB9	1B121		350x650	4,013	-177,199	0	-93,458	0	0	0,291	0,1	0
COMB9	1B121		350x650	4,795	-196,075	0	-240,09	0	0	0,291	-0,3	0
COMB9	1B121		350x650	5,35	-203,099	0	-351,103	0	0	0,291	0	0
COMB9	1B121		350x650	0	39,957	0	86,838	0	0	-0,291	0	0
COMB9	1B121		350x650	1,338	12,875	0	124,93	0	0	-0,291	1,5	0
COMB9	1B121		350x650	1,907	0,002	0	128,433	0	0	-0,291	1,6	0
COMB9	1B121		350x650	1,951	-0,85	0	128,414	0	0	-0,291	1,6	0
COMB9	1B121		350x650	2,675	-10,413	0	123,803	0	0	-0,291	1,4	0
PX	1B121		350x650	2,675	-57,659	0	100,308	0	0	0,32	1,1	0
PX	1B121		350x650	4,013	-77,186	0	12,878	0	0	0,32	0,6	0

COMBO	Member Reference	Span/Stack	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
PX	1B121		350x650	5,35	-97,837	0	-106,906	0	0	0,32	0	0
PX	1B121		350x650	0	98,251	0	-106,747	0	0	-0,32	0	0
PX	1B121		350x650	1,338	76,625	0	12,478	0	0	-0,32	0,6	0
PX	1B121		350x650	2,675	58,127	0	100,308	0	0	-0,32	1,1	0
SHEAR	1B121		350x650	2,675	-65,579	0	114,428	0	0	0,364	1,3	0
SHEAR	1B121		350x650	4,013	-88,119	0	14,742	0	0	0,364	0,7	0
SHEAR	1B121		350x650	5,35	-111,925	0	-122,125	0	0	0,364	0	0
SHEAR	1B121		350x650	0	112,391	0	-121,945	0	0	-0,363	0	0
SHEAR	1B121		350x650	1,338	87,486	0	14,29	0	0	-0,363	0,7	0
SHEAR	1B121		350x650	2,675	66,109	0	114,428	0	0	-0,363	1,3	0

LAMPIRAN TABEL *ELEMEN FORCE – COLUMN (GRID 2/D LT 1) (ETABS)*

TABLE: Element Forces - Columns															
Story	Column	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story2	C14	266	Comb1	Combination			3,35	-3269,4861	0,051	-1,1401	0	2,3755	-0,0303	266	3,35
Story2	C14	266	Comb1	Combination			1,675	-3296,3921	0,051	-1,1401	0	0,4658	0,0551	266	1,675
Story2	C14	266	Comb1	Combination			0	-3323,2981	0,051	-1,1401	0	-1,4439	0,1406	266	0
Story2	C14	266	Comb10	Combination	Max		3,35	-3943,7853	-151,4834	-50,9681	2,1764	69,3133	208,6344	266	3,35
Story2	C14	266	Comb10	Combination	Min		3,35	-3944,107	-154,1088	-53,8543	-2,1764	65,6026	205,1348	266	3,35
Story2	C14	266	Comb10	Combination	Max		1,675	-3969,4036	-151,4834	-50,9681	2,1764	-19,7689	-48,6	266	1,675
Story2	C14	266	Comb10	Combination	Min		1,675	-3969,7253	-154,1088	-53,8543	-2,1764	-20,8927	-49,4979	266	1,675
Story2	C14	266	Comb10	Combination	Max		0	-3995,022	-151,4834	-50,9681	2,1764	-105,1404	-302,3347	266	0
Story2	C14	266	Comb10	Combination	Min		0	-3995,3437	-154,1088	-53,8543	-2,1764	-111,0988	-307,6302	266	0
Story2	C14	266	Comb11	Combination	Max		3,35	-1771,6745	49,4782	171,0389	5,9488	-204,8074	-57,3178	266	3,35
Story2	C14	266	Comb11	Combination	Min		3,35	-1772,5537	42,3021	163,1497	-5,9488	-214,9501	-66,8834	266	3,35
Story2	C14	266	Comb11	Combination	Max		1,675	-1786,4151	49,4782	171,0389	5,9488	71,5401	15,9926	266	1,675
Story2	C14	266	Comb11	Combination	Min		1,675	-1787,2944	42,3021	163,1497	-5,9488	68,4684	13,5382	266	1,675
Story2	C14	266	Comb11	Combination	Max		0	-1801,1558	49,4782	171,0389	5,9488	358,0303	98,8685	266	0
Story2	C14	266	Comb11	Combination	Min		0	-1802,0351	42,3021	163,1497	-5,9488	341,7442	84,3943	266	0
Story2	C14	266	Comb12	Combination	Max		3,35	-1771,7519	-40,671	172,7707	8,5604	-202,5809	68,9499	266	3,35
Story2	C14	266	Comb12	Combination	Min		3,35	-1773,0172	-50,9975	161,418	-8,5604	-217,1765	55,1848	266	3,35
Story2	C14	266	Comb12	Combination	Max		1,675	-1786,4925	-40,671	172,7707	8,5604	72,2144	-12,939	266	1,675
Story2	C14	266	Comb12	Combination	Min		1,675	-1787,7578	-50,9975	161,418	-8,5604	67,7941	-16,4709	266	1,675
Story2	C14	266	Comb12	Combination	Max		0	-1801,2332	-40,671	172,7707	8,5604	361,6053	-81,0629	266	0
Story2	C14	266	Comb12	Combination	Min		0	-1802,4985	-50,9975	161,418	-8,5604	338,1692	-101,8917	266	0

TABLE: Element Forces - Columns															
Story	Column	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story2	C14	266	Comb13	Combination	Max		3,35	-1809,4055	51,0534	-162,6672	8,5604	219,7794	-55,2181	266	3,35
Story2	C14	266	Comb13	Combination	Min		3,35	-1810,6708	40,7269	-174,0199	-8,5604	205,1838	-68,9831	266	3,35
Story2	C14	266	Comb13	Combination	Max		1,675	-1824,1461	51,0534	-162,6672	8,5604	-67,2837	16,5313	266	1,675
Story2	C14	266	Comb13	Combination	Min		1,675	-1825,4114	40,7269	-174,0199	-8,5604	-71,704	12,9994	266	1,675
Story2	C14	266	Comb13	Combination	Max		0	-1838,8868	51,0534	-162,6672	8,5604	-339,7513	102,0457	266	0
Story2	C14	266	Comb13	Combination	Min		0	-1840,1521	40,7269	-174,0199	-8,5604	-363,1874	81,2169	266	0
Story2	C14	266	Comb14	Combination	Max		3,35	-1809,8689	-42,2462	-164,399	5,9488	217,553	66,8501	266	3,35
Story2	C14	266	Comb14	Combination	Min		3,35	-1810,7482	-49,4223	-172,2882	-5,9488	207,4103	57,2846	266	3,35
Story2	C14	266	Comb14	Combination	Max		1,675	-1824,6095	-42,2462	-164,399	5,9488	-67,958	-13,4778	266	1,675
Story2	C14	266	Comb14	Combination	Min		1,675	-1825,4888	-49,4223	-172,2882	-5,9488	-71,0297	-15,9322	266	1,675
Story2	C14	266	Comb14	Combination	Max		0	-1839,3502	-42,2462	-164,399	5,9488	-343,3263	-84,2403	266	0
Story2	C14	266	Comb14	Combination	Min		0	-1840,2295	-49,4223	-172,2882	-5,9488	-359,6124	-98,7145	266	0
Story2	C14	266	Comb15	Combination	Max		3,35	-1784,9112	154,2146	51,1342	2,1764	-60,1973	-205,2134	266	3,35
Story2	C14	266	Comb15	Combination	Min		3,35	-1785,2329	151,5892	48,2479	-2,1764	-63,908	-208,713	266	3,35
Story2	C14	266	Comb15	Combination	Max		1,675	-1799,6518	154,2146	51,1342	2,1764	21,7418	49,5965	266	1,675
Story2	C14	266	Comb15	Combination	Min		1,675	-1799,9735	151,5892	48,2479	-2,1764	20,618	48,6985	266	1,675
Story2	C14	266	Comb15	Combination	Max		0	-1814,3925	154,2146	51,1342	2,1764	107,3917	307,9059	266	0
Story2	C14	266	Comb15	Combination	Min		0	-1814,7142	151,5892	48,2479	-2,1764	101,4333	302,6105	266	0
Story2	C14	266	Comb16	Combination	Max		3,35	-1785,4909	-148,9079	54,0205	6,5291	-56,4865	212,1794	266	3,35
Story2	C14	266	Comb16	Combination	Min		3,35	-1786,4559	-156,7841	45,3616	-6,5291	-67,6187	201,6806	266	3,35
Story2	C14	266	Comb16	Combination	Max		1,675	-1800,2315	-148,9079	54,0205	6,5291	22,8656	-47,7402	266	1,675
Story2	C14	266	Comb16	Combination	Min		1,675	-1801,1966	-156,7841	45,3616	-6,5291	19,4942	-50,434	266	1,675
Story2	C14	266	Comb16	Combination	Max		0	-1814,9722	-148,9079	54,0205	6,5291	113,3499	-297,161	266	0
Story2	C14	266	Comb16	Combination	Min		0	-1815,9373	-156,7841	45,3616	-6,5291	95,4749	-313,0474	266	0

TABLE: Element Forces - Columns															
Story	Column	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story2	C14	266	Comb17	Combination	Max		3,35	-1795,9667	156,84	-46,6109	6,5291	70,2216	-201,7139	266	3,35
Story2	C14	266	Comb17	Combination	Min		3,35	-1796,9318	148,9638	-55,2697	-6,5291	59,0894	-212,2126	266	3,35
Story2	C14	266	Comb17	Combination	Max		1,675	-1810,7073	156,84	-46,6109	6,5291	-18,9838	50,4944	266	1,675
Story2	C14	266	Comb17	Combination	Min		1,675	-1811,6724	148,9638	-55,2697	-6,5291	-22,3552	47,8006	266	1,675
Story2	C14	266	Comb17	Combination	Max		0	-1825,448	156,84	-46,6109	6,5291	-97,057	313,2014	266	0
Story2	C14	266	Comb17	Combination	Min		0	-1826,4131	148,9638	-55,2697	-6,5291	-114,932	297,315	266	0
Story2	C14	266	Comb18	Combination	Max		3,35	-1797,1898	-151,5333	-49,4972	2,1764	66,5109	208,6798	266	3,35
Story2	C14	266	Comb18	Combination	Min		3,35	-1797,5115	-154,1587	-52,3835	-2,1764	62,8002	205,1802	266	3,35
Story2	C14	266	Comb18	Combination	Max		1,675	-1811,9304	-151,5333	-49,4972	2,1764	-20,1076	-48,6381	266	1,675
Story2	C14	266	Comb18	Combination	Min		1,675	-1812,2521	-154,1587	-52,3835	-2,1764	-21,2314	-49,5361	266	1,675
Story2	C14	266	Comb18	Combination	Max		0	-1826,6711	-151,5333	-49,4972	2,1764	-103,0154	-302,4565	266	0
Story2	C14	266	Comb18	Combination	Min		0	-1826,9928	-154,1587	-52,3835	-2,1764	-108,9737	-307,7519	266	0
Story2	C14	266	Comb2	Combination			3,35	-4122,079	0,0906	-2,5932	0	4,9834	-0,079	266	3,35
Story2	C14	266	Comb2	Combination			1,675	-4145,1413	0,0906	-2,5932	0	0,6398	0,0727	266	1,675
Story2	C14	266	Comb2	Combination			0	-4168,2036	0,0906	-2,5932	0	-3,7037	0,2243	266	0
Story2	C14	266	Comb3	Combination	Max		3,35	-3918,27	49,5281	169,568	5,9488	-202,005	-57,3632	266	3,35
Story2	C14	266	Comb3	Combination	Min		3,35	-3919,1492	42,352	161,6789	-5,9488	-212,1477	-66,9288	266	3,35
Story2	C14	266	Comb3	Combination	Max		1,675	-3943,8883	49,5281	169,568	5,9488	71,8788	16,0307	266	1,675
Story2	C14	266	Comb3	Combination	Min		1,675	-3944,7676	42,352	161,6789	-5,9488	68,8071	13,5764	266	1,675
Story2	C14	266	Comb3	Combination	Max		0	-3969,5067	49,5281	169,568	5,9488	355,9053	98,9903	266	0
Story2	C14	266	Comb3	Combination	Min		0	-3970,386	42,352	161,6789	-5,9488	339,6192	84,516	266	0
Story2	C14	266	Comb4	Combination	Max		3,35	-3918,3474	-40,6211	171,2998	8,5604	-199,7785	68,9045	266	3,35
Story2	C14	266	Comb4	Combination	Min		3,35	-3919,6127	-50,9476	159,9471	-8,5604	-214,3741	55,1394	266	3,35
Story2	C14	266	Comb4	Combination	Max		1,675	-3943,9657	-40,6211	171,2998	8,5604	72,5531	-12,9009	266	1,675

TABLE: Element Forces - Columns															
Story	Column	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story2	C14	266	Comb4	Combination	Min		1,675	-3945,231	-50,9476	159,9471	-8,5604	68,1328	-16,4328	266	1,675
Story2	C14	266	Comb4	Combination	Max		0	-3969,5841	-40,6211	171,2998	8,5604	359,4803	-80,9412	266	0
Story2	C14	266	Comb4	Combination	Min		0	-3970,8494	-50,9476	159,9471	-8,5604	336,0442	-101,77	266	0
Story2	C14	266	Comb5	Combination	Max		3,35	-3956,001	51,1033	-164,1381	8,5604	222,5818	-55,2635	266	3,35
Story2	C14	266	Comb5	Combination	Min		3,35	-3957,2663	40,7768	-175,4908	-8,5604	207,9862	-69,0285	266	3,35
Story2	C14	266	Comb5	Combination	Max		1,675	-3981,6193	51,1033	-164,1381	8,5604	-66,9451	16,5695	266	1,675
Story2	C14	266	Comb5	Combination	Min		1,675	-3982,8846	40,7768	-175,4908	-8,5604	-71,3653	13,0376	266	1,675
Story2	C14	266	Comb5	Combination	Max		0	-4007,2377	51,1033	-164,1381	8,5604	-341,8763	102,1675	266	0
Story2	C14	266	Comb5	Combination	Min		0	-4008,503	40,7768	-175,4908	-8,5604	-365,3124	81,3387	266	0
Story2	C14	266	Comb6	Combination	Max		3,35	-3956,4644	-42,1963	-165,8699	5,9488	220,3554	66,8047	266	3,35
Story2	C14	266	Comb6	Combination	Min		3,35	-3957,3437	-49,3724	-173,759	-5,9488	210,2127	57,2392	266	3,35
Story2	C14	266	Comb6	Combination	Max		1,675	-3982,0828	-42,1963	-165,8699	5,9488	-67,6193	-13,4397	266	1,675
Story2	C14	266	Comb6	Combination	Min		1,675	-3982,962	-49,3724	-173,759	-5,9488	-70,691	-15,894	266	1,675
Story2	C14	266	Comb6	Combination	Max		0	-4007,7011	-42,1963	-165,8699	5,9488	-345,4514	-84,1185	266	0
Story2	C14	266	Comb6	Combination	Min		0	-4008,5804	-49,3724	-173,759	-5,9488	-361,7374	-98,5928	266	0
Story2	C14	266	Comb7	Combination	Max		3,35	-3931,5067	154,2645	49,6633	2,1764	-57,3949	-205,2588	266	3,35
Story2	C14	266	Comb7	Combination	Min		3,35	-3931,8284	151,6391	46,7771	-2,1764	-61,1056	-208,7584	266	3,35
Story2	C14	266	Comb7	Combination	Max		1,675	-3957,125	154,2645	49,6633	2,1764	22,0805	49,6346	266	1,675
Story2	C14	266	Comb7	Combination	Min		1,675	-3957,4467	151,6391	46,7771	-2,1764	20,9567	48,7367	266	1,675
Story2	C14	266	Comb7	Combination	Max		0	-3982,7434	154,2645	49,6633	2,1764	105,2666	308,0277	266	0
Story2	C14	266	Comb7	Combination	Min		0	-3983,0651	151,6391	46,7771	-2,1764	99,3083	302,7322	266	0
Story2	C14	266	Comb8	Combination	Max		3,35	-3932,0864	-148,8581	52,5496	6,5291	-53,6841	212,134	266	3,35
Story2	C14	266	Comb8	Combination	Min		3,35	-3933,0514	-156,7342	43,8907	-6,5291	-64,8163	201,6352	266	3,35
Story2	C14	266	Comb8	Combination	Max		1,675	-3957,7047	-148,8581	52,5496	6,5291	23,2043	-47,702	266	1,675

TABLE: Element Forces - Columns															
Story	Column	Unique Name	Output Case	Case Type	Step Type	Step Number	Station	P	V2	V3	T	M2	M3	Element	Elem Station
							m	kN	kN	kN	kN-m	kN-m	kN-m		m
Story2	C14	266	Comb8	Combination	Min		1,675	-3958,6698	-156,7342	43,8907	-6,5291	19,8329	-50,3958	266	1,675
Story2	C14	266	Comb8	Combination	Max		0	-3983,3231	-148,8581	52,5496	6,5291	111,2249	-297,0393	266	0
Story2	C14	266	Comb8	Combination	Min		0	-3984,2882	-156,7342	43,8907	-6,5291	93,3499	-312,9256	266	0
Story2	C14	266	Comb9	Combination	Max		3,35	-3942,5622	156,8899	-48,0817	6,5291	73,024	-201,7593	266	3,35
Story2	C14	266	Comb9	Combination	Min		3,35	-3943,5272	149,0137	-56,7406	-6,5291	61,8918	-212,258	266	3,35
Story2	C14	266	Comb9	Combination	Max		1,675	-3968,1806	156,8899	-48,0817	6,5291	-18,6451	50,5326	266	1,675
Story2	C14	266	Comb9	Combination	Min		1,675	-3969,1456	149,0137	-56,7406	-6,5291	-22,0165	47,8388	266	1,675
Story2	C14	266	Comb9	Combination	Max		0	-3993,7989	156,8899	-48,0817	6,5291	-99,1821	313,3231	266	0
Story2	C14	266	Comb9	Combination	Min		0	-3994,764	149,0137	-56,7406	-6,5291	-117,057	297,4368	266	0

LAMPIRAN TABEL *ELEMEN FORCE – COLUMN (GRID 2/D LT 1) (TSD)*

COMB	Member Reference	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB5	C497	650x750	3,35	-170,254	45,946	-215,885	62,17	3952,475	0,001	0	0
COMB5	C497	650x750	3,131	-170,254	45,946	-178,583	52,103	3955,825	0,001	0	0
COMB5	C497	650x750	3,016	-170,254	45,946	-159,033	46,828	3957,581	0,001	0	0
COMB5	C497	650x750	1,675	-170,254	45,946	69,291	-14,789	3978,088	0,001	0,2	-0,1
COMB5	C497	650x750	1,033	-170,254	45,946	178,643	-44,3	3987,91	0,001	0,3	-0,1
COMB5	C497	650x750	0,978	-170,254	45,946	188,025	-46,831	3988,753	0,001	0,3	-0,1
COMB5	C497	650x750	0	-170,254	45,946	354,467	-91,748	4003,702	0,001	0	0
COMB6	C497	650x750	0	-170,254	-45,814	354,467	91,436	4004,024	0	0	0
COMB6	C497	650x750	0,977	-170,254	-45,814	188,148	46,681	3989,086	0	0,3	0,1
COMB6	C497	650x750	1,033	-170,254	-45,814	178,643	44,124	3988,232	0	0,3	0,1
COMB6	C497	650x750	1,675	-170,254	-45,814	69,291	14,698	3978,41	0	0,2	0,1
COMB6	C497	650x750	3,131	-170,254	-45,814	-178,583	-52,002	3956,147	0	0	0
COMB6	C497	650x750	3,35	-170,254	-45,814	-215,885	-62,039	3952,796	0	0	0
COMB13	C497	650x750	0	-168,639	45,904	351,991	-91,654	1836,235	0	0	0
COMB13	C497	650x750	0,977	-168,639	45,904	187,155	-46,785	1827,631	0	0,3	-0,1
COMB13	C497	650x750	1,036	-168,639	45,904	177,295	-44,101	1827,116	0	0,3	-0,1
COMB13	C497	650x750	1,675	-168,639	45,904	69,52	-14,765	1821,49	0	0,2	-0,1
COMB13	C497	650x750	3,016	-168,639	45,904	-156,585	46,782	1809,687	0	0	0
COMB13	C497	650x750	3,139	-168,639	45,904	-177,333	52,429	1808,604	0	0	0
COMB13	C497	650x750	3,35	-168,639	45,904	-212,951	62,125	1806,745	0	0	0
COMB14	C497	650x750	0	-168,639	-45,855	351,991	91,53	1836,557	0	0	0
COMB14	C497	650x750	0,977	-168,639	-45,855	187,221	46,727	1827,956	0	0,3	0,1

COMB	Member Reference	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB14	C497	650x750	1,036	-168,639	-45,855	177,294	44,028	1827,438	0	0,3	0,1
COMB14	C497	650x750	1,675	-168,639	-45,855	69,52	14,723	1821,812	0	0,2	0,1
COMB14	C497	650x750	3,015	-168,639	-45,855	-156,458	-46,723	1810,015	0	0	0
COMB14	C497	650x750	3,139	-168,639	-45,855	-177,333	-52,4	1808,926	0	0	0
COMB14	C497	650x750	3,35	-168,639	-45,855	-212,951	-62,085	1807,066	0	0	0
COMB9	C497	650x750	0	-52,738	152,998	108,838	-305,463	3992,516	0,001	0	0
COMB9	C497	650x750	0,977	-52,738	152,998	57,295	-155,929	3977,571	0,001	0,1	-0,3
COMB9	C497	650x750	1,021	-52,738	152,998	54,971	-149,187	3976,897	0,001	0,1	-0,3
COMB9	C497	650x750	1,675	-52,738	152,998	20,503	-49,191	3966,903	0,001	0,1	-0,2
COMB9	C497	650x750	3,016	-52,738	152,998	-50,197	155,917	3946,403	0,001	0	0
COMB9	C497	650x750	3,106	-52,738	152,998	-54,961	169,738	3945,021	0,001	0	0
COMB9	C497	650x750	3,35	-52,738	152,998	-67,833	207,081	3941,289	0,001	0	0
COMB10	C497	650x750	0	-52,737	-152,866	108,838	305,151	3993,589	0	0	0
COMB10	C497	650x750	0,977	-52,737	-152,866	57,306	155,779	3978,646	0	0,1	0,3
COMB10	C497	650x750	1,021	-52,737	-152,866	54,97	149,009	3977,969	0	0,1	0,3
COMB10	C497	650x750	1,675	-52,737	-152,866	20,503	49,1	3967,975	0	0,1	0,2
COMB10	C497	650x750	3,015	-52,737	-152,866	-50,175	-155,767	3947,481	0	0	0
COMB10	C497	650x750	3,106	-52,737	-152,866	-54,961	-169,64	3946,094	0	0	0
COMB10	C497	650x750	3,35	-52,737	-152,866	-67,833	-206,95	3942,361	0	0	0
COMB17	C497	650x750	0	-51,123	152,957	106,362	-305,37	1825,049	0	0	0
COMB17	C497	650x750	0,977	-51,123	152,957	56,399	-155,884	1816,446	0	0,1	-0,3
COMB17	C497	650x750	1,032	-51,123	152,957	53,613	-147,546	1815,966	0	0,1	-0,3
COMB17	C497	650x750	1,675	-51,123	152,957	20,731	-49,167	1810,304	0	0,1	-0,2
COMB17	C497	650x750	3,015	-51,123	152,957	-47,798	155,871	1798,503	0	0	0
COMB17	C497	650x750	3,129	-51,123	152,957	-53,595	173,215	1797,505	0	0	0

COMB	Member Reference	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB17	C497	650x750	3,35	-51,123	152,957	-64,899	207,036	1795,559	0	0	0
COMB18	C497	650x750	0	-51,122	-152,908	106,362	305,245	1826,122	0	0	0
COMB18	C497	650x750	0,977	-51,122	-152,908	56,405	155,825	1817,519	0	0,1	0,3
COMB18	C497	650x750	1,032	-51,122	-152,908	53,612	147,472	1817,038	0	0,1	0,3
COMB18	C497	650x750	1,675	-51,122	-152,908	20,731	49,125	1811,376	0	0,1	0,2
COMB18	C497	650x750	3,015	-51,122	-152,908	-47,787	-155,813	1799,578	0	0	0
COMB18	C497	650x750	3,129	-51,122	-152,908	-53,595	-173,186	1798,577	0	0	0
COMB18	C497	650x750	3,35	-51,122	-152,908	-64,899	-206,995	1796,631	0	0	0
SHEAR	C497	650x750	0	-2,373	0,066	3,568	-0,156	3988,419	0	0	0
PX	C497	650x750	0	-2,044	0,055	3,095	-0,129	3198,667	0	0	0
COMB2	C497	650x750	0	-2,876	0,076	4,382	-0,174	4168,52	0,001	0	0
COMB2	C497	650x750	1,675	-2,876	0,076	-0,434	-0,047	4145,458	0,001	0	0
SHEAR	C497	650x750	1,675	-2,373	0,066	-0,407	-0,045	3962,806	0	0	0
COMB2	C497	650x750	3,35	-2,876	0,076	-5,251	0,08	4122,395	0,001	0	0
PX	C497	650x750	1,675	-2,044	0,055	-0,329	-0,036	3179,448	0	0	0
COMB1	C497	650x750	0	-1,383	0,045	1,993	-0,113	3322,715	0	0	0
PX	C497	650x750	3,35	-2,044	0,055	-3,754	0,057	3160,23	0	0	0
SHEAR	C497	650x750	3,35	-2,373	0,066	-4,382	0,065	3937,192	0	0	0
COMB1	C497	650x750	1,675	-1,383	0,045	-0,325	-0,038	3295,809	0	0	0
COMB1	C497	650x750	3,35	-1,383	0,045	-2,642	0,037	3268,903	0	0	0
COMB7	C497	650x750	3,35	47,991	152,998	59,069	207,081	3932,023	0,001	0	0
COMB7	C497	650x750	3,183	47,991	152,998	51,077	181,601	3934,57	0,001	0	0
COMB7	C497	650x750	3,016	47,991	152,998	43,021	155,917	3937,137	0,001	0	0
COMB7	C497	650x750	1,675	47,991	152,998	-21,316	-49,191	3957,637	0,001	-0,1	-0,2
COMB7	C497	650x750	1,055	47,991	152,998	-51,075	-144,064	3967,119	0,001	-0,1	-0,3

COMB	Member Reference	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB7	C497	650x750	0,977	47,991	152,998	-54,796	-155,929	3968,305	0,001	-0,1	-0,3
COMB7	C497	650x750	0	47,991	152,998	-101,701	-305,464	3983,25	0,001	0	0
COMB8	C497	650x750	3,35	47,991	-152,866	59,07	-206,95	3933,095	0	0	0
COMB8	C497	650x750	3,183	47,991	-152,866	51,077	-181,492	3935,642	0	0	0
COMB8	C497	650x750	3,015	47,991	-152,866	43,001	-155,767	3938,215	0	0	0
COMB8	C497	650x750	1,675	47,991	-152,866	-21,316	49,1	3958,709	0	-0,1	0,2
COMB8	C497	650x750	1,055	47,991	-152,866	-51,075	143,891	3968,191	0	-0,1	0,3
COMB8	C497	650x750	0,977	47,991	-152,866	-54,807	155,779	3969,38	0	-0,1	0,3
COMB8	C497	650x750	0	47,991	-152,866	-101,701	305,151	3984,322	0	0	0
COMB15	C497	650x750	3,35	49,606	152,957	62,003	207,036	1786,293	0	0	0
COMB15	C497	650x750	3,157	49,606	152,957	52,413	177,464	1787,995	0	0	0
COMB15	C497	650x750	3,015	49,606	152,957	45,41	155,871	1789,237	0	0	0
COMB15	C497	650x750	1,675	49,606	152,957	-21,087	-49,167	1801,038	0	-0,1	-0,2
COMB15	C497	650x750	1,044	49,606	152,957	-52,405	-145,735	1806,596	0	-0,1	-0,3
COMB15	C497	650x750	0,977	49,606	152,957	-55,697	-155,884	1807,18	0	-0,1	-0,3
COMB15	C497	650x750	0	49,606	152,957	-104,177	-305,37	1815,783	0	0	0
COMB16	C497	650x750	3,35	49,606	-152,908	62,003	-206,995	1787,365	0	0	0
COMB16	C497	650x750	3,157	49,606	-152,908	52,413	-177,433	1789,067	0	0	0
COMB16	C497	650x750	3,015	49,606	-152,908	45,399	-155,813	1790,312	0	0	0
COMB16	C497	650x750	1,675	49,606	-152,908	-21,087	49,125	1802,11	0	-0,1	0,2
COMB16	C497	650x750	1,044	49,606	-152,908	-52,406	145,662	1807,668	0	-0,1	0,3
COMB16	C497	650x750	0,977	49,606	-152,908	-55,703	155,825	1808,253	0	-0,1	0,3
COMB16	C497	650x750	0	49,606	-152,908	-104,178	305,245	1816,856	0	0	0
COMB3	C497	650x750	3,35	165,508	45,946	207,122	62,17	3921,588	0	0	0
COMB3	C497	650x750	3,155	165,508	45,946	174,772	53,189	3924,577	0	0	0

COMB	Member Reference	Size	Position	Shear Major	Shear Minor	Moment Major	Moment Minor	Axial Force	Torsion	Deflection Major	Deflection Minor
COMB3	C497	650x750	3,016	165,508	45,946	151,855	46,828	3926,694	0	0	0
COMB3	C497	650x750	1,675	165,508	45,946	-70,104	-14,789	3947,201	0	-0,2	-0,1
COMB3	C497	650x750	1,043	165,508	45,946	-174,747	-43,838	3956,87	0	-0,3	-0,1
COMB3	C497	650x750	0,978	165,508	45,946	-185,528	-46,831	3957,866	0	-0,3	-0,1
COMB3	C497	650x750	0	165,508	45,946	-347,33	-91,748	3972,815	0	0	0
COMB4	C497	650x750	3,35	165,508	-45,814	207,122	-62,039	3921,909	0	0	0
COMB4	C497	650x750	3,155	165,508	-45,814	174,772	-53,085	3924,898	0	0	0
COMB4	C497	650x750	1,675	165,508	-45,814	-70,104	14,698	3947,523	0	-0,2	0,1
COMB4	C497	650x750	1,043	165,508	-45,814	-174,747	43,664	3957,191	0	-0,3	0,1
COMB4	C497	650x750	0,977	165,508	-45,814	-185,647	46,681	3958,198	0	-0,3	0,1
COMB4	C497	650x750	0	165,508	-45,814	-347,33	91,436	3973,137	0	0	0
COMB11	C497	650x750	3,35	167,123	45,904	210,056	62,125	1775,857	0	0	0
COMB11	C497	650x750	3,147	167,123	45,904	176,119	52,803	1777,645	0	0	0
COMB11	C497	650x750	3,016	167,123	45,904	154,197	46,782	1778,8	0	0	0
COMB11	C497	650x750	1,675	167,123	45,904	-69,875	-14,765	1790,603	0	-0,2	-0,1
COMB11	C497	650x750	1,039	167,123	45,904	-176,087	-43,938	1796,197	0	-0,3	-0,1
COMB11	C497	650x750	0,977	167,123	45,904	-186,453	-46,786	1796,743	0	-0,3	-0,1
COMB11	C497	650x750	0	167,123	45,904	-349,807	-91,654	1805,348	0	0	0
COMB12	C497	650x750	3,35	167,123	-45,855	210,056	-62,084	1776,179	0	0	0
COMB12	C497	650x750	3,147	167,123	-45,855	176,119	-52,773	1777,967	0	0	0
COMB12	C497	650x750	3,015	167,123	-45,855	154,071	-46,723	1779,128	0	0	0
COMB12	C497	650x750	1,675	167,123	-45,855	-69,875	14,723	1790,924	0	-0,2	0,1
COMB12	C497	650x750	1,039	167,123	-45,855	-176,087	43,865	1796,519	0	-0,3	0,1
COMB12	C497	650x750	0,977	167,123	-45,855	-186,518	46,727	1797,069	0	-0,3	0,1
COMB12	C497	650x750	0	167,123	-45,855	-349,807	91,53	1805,67	0	0	0

LAMPIRAN TABEL BERAT BANGUNAN

ETABS

Story	Diaphragm	Mass X	Mass Y	XCM	YCM	Cum Mass X	Cum Mass Y	XCCM	YCCM	XCR	YCR
		kg	kg	m	m	kg	kg	m	m	m	m
Story10	D1	464691	464691	15	9	464691	464691	15	9		
Story9	D1	557755,6	557755,6	15	9	1022446,6	1022446,6	15	9		
Story8	D1	557755,6	557755,6	15	9	1580202,2	1580202,2	15	9		
Story7	D1	557755,6	557755,6	15	9	2137957,8	2137957,8	15	9		
Story6	D1	557755,6	557755,6	15	9	2695713,4	2695713,4	15	9		
Story5	D1	587681,8	587681,8	15	9	3283395,2	3283395,2	15	9		
Story4	D1	594257,8	594257,8	15	9	3877653	3877653	15	9		
Story3	D1	594257,8	594257,8	15	9	4471910,79	4471910,79	15	9		
Story2	D1	594257,8	594257,8	15	9	5066168,59	5066168,59	15	9		
Story1	D1	594257,8	594257,8	15	9	5660426,38	5660426,38	15	9		

TSD

Story	Weight (kN)	Weight (kg)
Story10	4628,235	471948,627
Story9	5469,714	557755,605
Story8	5469,714	557755,605
Story7	5469,714	557755,605
Story6	5469,714	557755,605
Story5	5769,745	588350,252
Story4	5827,678	594257,774
Story3	5827,678	594257,774
Story2	5827,678	594257,774
Story1	5827,678	594257,774

LAMPIRAN TABEL GAYA LATERAL

ETABS

TABLE: Story Forces											
Story	Output Case	Case Type	Step Type	Step Number	Location	P	VX	VY	T	MX	MY
						kgf	kgf	kgf	kgf-mm	kgf-mm	kgf-mm
Story10	Ex	LinStatic	Step By Step	1	Top	0	-49401,56	0	444614016,9	0	0
Story10	Ex	LinStatic	Step By Step	1	Bottom	0	-49401,56	0	444614016,9	0	-197606230
Story10	Ex	LinStatic	Step By Step	2	Top	0	-49401,56	0	489075418,6	0	0
Story10	Ex	LinStatic	Step By Step	2	Bottom	0	-49401,56	0	489075418,6	0	-197606230
Story10	Ex	LinStatic	Step By Step	3	Top	0	-49401,56	0	400152615,2	0	0
Story10	Ex	LinStatic	Step By Step	3	Bottom	0	-49401,56	0	400152615,2	-0,00005154	-197606230
Story10	Ey	LinStatic	Step By Step	1	Top	0	0	-49401,56	-741023362	0	0
Story10	Ey	LinStatic	Step By Step	1	Bottom	0	0	-49401,56	-741023362	197606229,7	0
Story10	Ey	LinStatic	Step By Step	2	Top	0	0	-49401,56	-815125698	0	0
Story10	Ey	LinStatic	Step By Step	2	Bottom	0	0	-49401,56	-815125698	197606229,7	0
Story10	Ey	LinStatic	Step By Step	3	Top	0	0	-49401,56	-666921025	0	0
Story10	Ey	LinStatic	Step By Step	3	Bottom	0	0	-49401,56	-666921025	197606229,7	0
Story9	Ex	LinStatic	Step By Step	1	Top	0	-99221,83	0	892996434,2	0	-197606230
Story9	Ex	LinStatic	Step By Step	1	Bottom	0	-99221,83	0	892996434,2	-0,000135	-594493534
Story9	Ex	LinStatic	Step By Step	2	Top	0	-99221,83	0	982296077,6	0	-197606230
Story9	Ex	LinStatic	Step By Step	2	Bottom	0	-99221,83	0	982296077,6	-0,0001317	-594493534
Story9	Ex	LinStatic	Step By Step	3	Top	0	-99221,83	0	803696790,8	0	-197606230
Story9	Ex	LinStatic	Step By Step	3	Bottom	0	-99221,83	0	803696790,8	-0,0001358	-594493534
Story9	Ey	LinStatic	Step By Step	1	Top	0	0	-99221,83	-1488327390	197606229,7	0
Story9	Ey	LinStatic	Step By Step	1	Bottom	0	0	-99221,83	-1488327390	594493533,8	0,0001164
Story9	Ey	LinStatic	Step By Step	2	Top	0	0	-99221,83	-1637160129	197606229,7	0
Story9	Ey	LinStatic	Step By Step	2	Bottom	0	0	-99221,83	-1637160129	594493533,8	0,0001232
Story9	Ey	LinStatic	Step By Step	3	Top	0	0	-99221,83	-1339494651	197606229,7	0
Story9	Ey	LinStatic	Step By Step	3	Bottom	0	0	-99221,83	-1339494651	594493533,8	0,0001166
Story8	Ex	LinStatic	Step By Step	1	Top	0	-140230,58	0	1262075175	-0,0001323	-594493534
Story8	Ex	LinStatic	Step By Step	1	Bottom	0	-140230,58	0	1262075175	-0,0002584	-1155415834
Story8	Ex	LinStatic	Step By Step	2	Top	0	-140230,58	0	1388282693	-0,0001325	-594493534
Story8	Ex	LinStatic	Step By Step	2	Bottom	0	-140230,58	0	1388282693	-0,0002582	-1155415834
Story8	Ex	LinStatic	Step By Step	3	Top	0	-140230,58	0	1135867658	-0,0001376	-594493534
Story8	Ex	LinStatic	Step By Step	3	Bottom	0	-140230,58	0	1135867658	-0,0002639	-1155415834
Story8	Ey	LinStatic	Step By Step	1	Top	0	0	-140230,58	-2103458626	594493533,8	0,0001303
Story8	Ey	LinStatic	Step By Step	1	Bottom	0	0	-140230,58	-2103458626	1155415834	0,0002587
Story8	Ey	LinStatic	Step By Step	2	Top	0	0	-140230,58	-2313804488	594493533,8	0,000136

TABLE: Story Forces											
Story	Output Case	Case Type	Step Type	Step Number	Location	P	VX	VY	T	MX	MY
						kgf	kgf	kgf	kgf-mm	kgf-mm	kgf-mm
Story8	Ey	LinStatic	Step By Step	2	Bottom	0	0	-140230,58	-2313804488	1155415834	0,0002628
Story8	Ey	LinStatic	Step By Step	3	Top	0	0	-140230,58	-1893112763	594493533,8	0,0001319
Story8	Ey	LinStatic	Step By Step	3	Bottom	0	0	-140230,58	-1893112763	1155415834	0,000262
Story7	Ex	LinStatic	Step By Step	1	Top	0	-173119,13	0	1558072195	-0,0002637	-1155415834
Story7	Ex	LinStatic	Step By Step	1	Bottom	0	-173119,13	0	1558072195	-0,0004216	-1847892365
Story7	Ex	LinStatic	Step By Step	2	Top	0	-173119,13	0	1713879415	-0,0002642	-1155415834
Story7	Ex	LinStatic	Step By Step	2	Bottom	0	-173119,13	0	1713879415	-0,0004159	-1847892365
Story7	Ex	LinStatic	Step By Step	3	Top	0	-173119,13	0	1402264976	-0,0002658	-1155415834
Story7	Ex	LinStatic	Step By Step	3	Bottom	0	-173119,13	0	1402264976	-0,0004298	-1847892365
Story7	Ey	LinStatic	Step By Step	1	Top	0	0	-173119,13	-2596786992	1155415834	0,0002547
Story7	Ey	LinStatic	Step By Step	1	Bottom	0	0	-173119,13	-2596786992	1847892365	0,0004153
Story7	Ey	LinStatic	Step By Step	2	Top	0	0	-173119,13	-2856465691	1155415834	0,0002542
Story7	Ey	LinStatic	Step By Step	2	Bottom	0	0	-173119,13	-2856465691	1847892365	0,0004149
Story7	Ey	LinStatic	Step By Step	3	Top	0	0	-173119,13	-2337108293	1155415834	0,0002482
Story7	Ey	LinStatic	Step By Step	3	Bottom	0	0	-173119,13	-2337108293	1847892365	0,0004091
Story6	Ex	LinStatic	Step By Step	1	Top	0	-198611,8	0	1787506191	-0,0004258	-1847892365
Story6	Ex	LinStatic	Step By Step	1	Bottom	0	-198611,8	0	1787506191	-0,000611	-2642339561
Story6	Ex	LinStatic	Step By Step	2	Top	0	-198611,8	0	1966256810	-0,0004138	-1847892365
Story6	Ex	LinStatic	Step By Step	2	Bottom	0	-198611,8	0	1966256810	-0,0005923	-2642339561
Story6	Ex	LinStatic	Step By Step	3	Top	0	-198611,8	0	1608755572	-0,0004318	-1847892365
Story6	Ex	LinStatic	Step By Step	3	Bottom	0	-198611,8	0	1608755572	-0,0006239	-2642339561
Story6	Ey	LinStatic	Step By Step	1	Top	0	0	-198611,8	-2979176984	1847892365	0,0004193
Story6	Ey	LinStatic	Step By Step	1	Bottom	0	0	-198611,8	-2979176984	2642339561	0,0006077
Story6	Ey	LinStatic	Step By Step	2	Top	0	0	-198611,8	-3277094683	1847892365	0,0004238
Story6	Ey	LinStatic	Step By Step	2	Bottom	0	0	-198611,8	-3277094683	2642339561	0,0006112
Story6	Ey	LinStatic	Step By Step	3	Top	0	0	-198611,8	-2681259286	1847892365	0,0004181
Story6	Ey	LinStatic	Step By Step	3	Bottom	0	0	-198611,8	-2681259286	2642339561	0,0006072
Story5	Ex	LinStatic	Step By Step	1	Top	0	-218484,94	0	1966364475	-0,000604	-2642339561
Story5	Ex	LinStatic	Step By Step	1	Bottom	0	-218484,94	0	1966364475	-0,0008129	-3516279328
Story5	Ex	LinStatic	Step By Step	2	Top	0	-218484,94	0	2163000923	-0,000591	-2642339561
Story5	Ex	LinStatic	Step By Step	2	Bottom	0	-218484,94	0	2163000923	-0,0008022	-3516279328
Story5	Ex	LinStatic	Step By Step	3	Top	0	-218484,94	0	1769728028	-0,0006219	-2642339561
Story5	Ex	LinStatic	Step By Step	3	Bottom	0	-218484,94	0	1769728028	-0,0008295	-3516279328
Story5	Ey	LinStatic	Step By Step	1	Top	0	0	-218484,94	-3277274125	2642339561	0,0005887
Story5	Ey	LinStatic	Step By Step	1	Bottom	0	0	-218484,94	-3277274125	3516279328	0,0008012
Story5	Ey	LinStatic	Step By Step	2	Top	0	0	-218484,94	-3605001538	2642339561	0,0005934
Story5	Ey	LinStatic	Step By Step	2	Bottom	0	0	-218484,94	-3605001538	3516279328	0,0008033

TABLE: Story Forces											
Story	Output Case	Case Type	Step Type	Step Number	Location	P	VX	VY	T	MX	MY
						kgf	kgf	kgf	kgf-mm	kgf-mm	kgf-mm
Story5	Ey	LinStatic	Step By Step	3	Top	0	0	-218484,94	-2949546713	2642339561	0,0005887
Story5	Ey	LinStatic	Step By Step	3	Bottom	0	0	-218484,94	-2949546713	3516279328	0,0008035
Story4	Ex	LinStatic	Step By Step	1	Top	0	-232383,04	0	2091447366	-0,0008071	-3516279328
Story4	Ex	LinStatic	Step By Step	1	Bottom	0	-232383,04	0	2091447366	-0,001035	-4445811490
Story4	Ex	LinStatic	Step By Step	2	Top	0	-232383,04	0	2300592103	-0,0007939	-3516279328
Story4	Ex	LinStatic	Step By Step	2	Bottom	0	-232383,04	0	2300592103	-0,001024	-4445811490
Story4	Ex	LinStatic	Step By Step	3	Top	0	-232383,04	0	1882302630	-0,0008207	-3516279328
Story4	Ex	LinStatic	Step By Step	3	Bottom	0	-232383,04	0	1882302630	-0,001047	-4445811490
Story4	Ey	LinStatic	Step By Step	1	Top	0	0	-232383,04	-3485745610	3516279328	0,0007926
Story4	Ey	LinStatic	Step By Step	1	Bottom	0	0	-232383,04	-3485745610	4445811490	0,001024
Story4	Ey	LinStatic	Step By Step	2	Top	0	0	-232383,04	-3834320171	3516279328	0,0007955
Story4	Ey	LinStatic	Step By Step	2	Bottom	0	0	-232383,04	-3834320171	4445811490	0,001025
Story4	Ey	LinStatic	Step By Step	3	Top	0	0	-232383,04	-3137171049	3516279328	0,0007961
Story4	Ey	LinStatic	Step By Step	3	Bottom	0	0	-232383,04	-3137171049	4445811490	0,001028
Story3	Ex	LinStatic	Step By Step	1	Top	0	-241022,65	0	2169203856	-0,00103	-4445811490
Story3	Ex	LinStatic	Step By Step	1	Bottom	0	-241022,65	0	2169203856	-0,001271	-5409902093
Story3	Ex	LinStatic	Step By Step	2	Top	0	-241022,65	0	2386124242	-0,001019	-4445811490
Story3	Ex	LinStatic	Step By Step	2	Bottom	0	-241022,65	0	2386124242	-0,001262	-5409902093
Story3	Ex	LinStatic	Step By Step	3	Top	0	-241022,65	0	1952283471	-0,001044	-4445811490
Story3	Ex	LinStatic	Step By Step	3	Bottom	0	-241022,65	0	1952283471	-0,001283	-5409902093
Story3	Ey	LinStatic	Step By Step	1	Top	0	0	-241022,65	-3615339761	4445811490	0,001028
Story3	Ey	LinStatic	Step By Step	1	Bottom	0	0	-241022,65	-3615339761	5409902093	0,001272
Story3	Ey	LinStatic	Step By Step	2	Top	0	0	-241022,65	-3976873737	4445811490	0,001028
Story3	Ey	LinStatic	Step By Step	2	Bottom	0	0	-241022,65	-3976873737	5409902093	0,001272
Story3	Ey	LinStatic	Step By Step	3	Top	0	0	-241022,65	-3253805785	4445811490	0,001031
Story3	Ey	LinStatic	Step By Step	3	Bottom	0	0	-241022,65	-3253805785	5409902093	0,001275
Story2	Ex	LinStatic	Step By Step	1	Top	0	-245443,48	0	2208991282	-0,001266	-5409902093
Story2	Ex	LinStatic	Step By Step	1	Bottom	0	-245443,48	0	2208991282	-0,001515	-6391675997
Story2	Ex	LinStatic	Step By Step	2	Top	0	-245443,48	0	2429890411	-0,001256	-5409902093
Story2	Ex	LinStatic	Step By Step	2	Bottom	0	-245443,48	0	2429890411	-0,001505	-6391675997
Story2	Ex	LinStatic	Step By Step	3	Top	0	-245443,48	0	1988092154	-0,001276	-5409902093
Story2	Ex	LinStatic	Step By Step	3	Bottom	0	-245443,48	0	1988092154	-0,001526	-6391675997
Story2	Ey	LinStatic	Step By Step	1	Top	0	0	-245443,48	-3681652137	5409902093	0,001268
Story2	Ey	LinStatic	Step By Step	1	Bottom	0	0	-245443,48	-3681652137	6391675997	0,00152
Story2	Ey	LinStatic	Step By Step	2	Top	0	0	-245443,48	-4049817351	5409902093	0,001268
Story2	Ey	LinStatic	Step By Step	2	Bottom	0	0	-245443,48	-4049817351	6391675997	0,001521
Story2	Ey	LinStatic	Step By Step	3	Top	0	0	-245443,48	-3313486923	5409902093	0,001272

TABLE: Story Forces											
Story	Output Case	Case Type	Step Type	Step Number	Location	P	VX	VY	T	MX	MY
						kgf	kgf	kgf	kgf-mm	kgf-mm	kgf-mm
Story2	Ey	LinStatic	Step By Step	3	Bottom	0	0	-245443,48	-3313486923	6391675997	0,001523
Story1	Ex	LinStatic	Step By Step	1	Top	0	-246849,69	0	2221647204	-0,001511	-6391675997
Story1	Ex	LinStatic	Step By Step	1	Bottom	0	-246849,69	0	2221647204	-0,001763	-7379074754
Story1	Ex	LinStatic	Step By Step	2	Top	0	-246849,69	0	2443811924	-0,001499	-6391675997
Story1	Ex	LinStatic	Step By Step	2	Bottom	0	-246849,69	0	2443811924	-0,001751	-7379074754
Story1	Ex	LinStatic	Step By Step	3	Top	0	-246849,69	0	1999482484	-0,001521	-6391675997
Story1	Ex	LinStatic	Step By Step	3	Bottom	0	-246849,69	0	1999482484	-0,001774	-7379074754
Story1	Ey	LinStatic	Step By Step	1	Top	0	0	-246849,69	-3702745340	6391675997	0,001519
Story1	Ey	LinStatic	Step By Step	1	Bottom	0	0	-246849,69	-3702745340	7379074754	0,001774
Story1	Ey	LinStatic	Step By Step	2	Top	0	0	-246849,69	-4073019874	6391675997	0,001523
Story1	Ey	LinStatic	Step By Step	2	Bottom	0	0	-246849,69	-4073019874	7379074754	0,001778
Story1	Ey	LinStatic	Step By Step	3	Top	0	0	-246849,69	-3332470806	6391675997	0,001524
Story1	Ey	LinStatic	Step By Step	3	Bottom	0	0	-246849,69	-3332470806	7379074754	0,001777

TSD

Level [m]	Reference	Σ Shear Dir 1 [kN]	Σ Shear Dir 2 [kN]
40,000	St. 10 (10)	491,136	491,136
36,000	St. 9 (9)	978,817	978,817
32,000	St. 8 (8)	1380,244	1380,244
28,000	St. 7 (7)	1702,184	1702,184
24,000	St. 6 (6)	1951,728	1951,728
20,000	St. 5 (5)	2146,483	2146,483
16,000	St. 4 (4)	2282,529	2282,529
12,000	St. 3 (3)	2367,101	2367,101
8,000	St. 2 (2)	2410,376	2410,376
4,000	St. 1 (1)	2424,141	2424,141



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Telepon (0254) 376712 Laman: ft.untirta.ac.id

FORM PERSETUJUAN TANGGAL SIDANG

Nama : Rizki Ardiyansah
NIM : 3336210023
Jurusan : Teknik Sipil
Rencana Sidang : Seminar Proposal/ Seminar Hasil/ Sidang Akhir *)
Waktu Sidang :

Hari/ Tanggal : Rabu, 4 Juni 2025

Jam : 08.00 - Selesai

No	Nama Dosen	Pembimbing	Penguji	Tanda Tangan
1	Bachaki, S.T., M.Eng	I		Tanggal: 05/06/2025 Paraf:
2	Dr., Soelarso, S.T., M.Eng	II		Tanggal: Paraf:
3	Zulmahdi Darwis, S.T., M.Eng		I	Tanggal: 05/06/2025 Paraf:
4	Midia Rahma, S.Pd., M.T		II	Tanggal: Paraf:

Cilegon,
Koordinator TA

2025

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001

*) coret yang tidak perlu



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Telepon (0254) 376712 Laman: n.untirta.ac.id

FORM PENETAPAN DOSEN PEMBIMBING TA

Nama : Rizki Ardiyansah
NIM : 3336210023
Program Studi : Teknik Sipil
Semester : Ganjil/Genap *) Tahun Akademik 2025
KBK : Struktur
Judul Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

No	Uraian	Nama Dosen	Paraf Dosen
1.	Pembimbing 1	1. Baehaki, S.T., M.Eng	1.
2.	Pembimbing 2	2. Dr., Soelarso, S.T., M.Eng	2.

Cilegon, 27 Mei 2025
Ketua KBK

Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004

*) coret yang tidak perlu



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Smp-01

Jl. Jendral Soedirman Km. 3 Kota Cilegon Provinsi Banten 42435
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SURAT PERMOHONAN SEMINAR PROPOSAL SKRIPSI

Yang bertanda tangan di bawah ini, saya mahasiswa Program Sarjana Jurusan Teknik Sipil Fakultas Teknik Universitas Sultan Ageng Tirtayasa,

Nama Mahasiswa : Rizki Ardiyansah
Nomor Mahasiswa : 3336210023
Alamat Mahasiswa : Kavling kemuning, Ciracas, Serang, Banten
Dosen Pembimbing : Baehaki, S.T., M.Eng

dengan prestasi studi 3,8 sampai dengan tanggal: 5 Juni 2025 seperti terlampir. Dengan ini saya mengajukan permohonan untuk dapat menyelenggarakan seminar proposal skripsi.

Cilegon, 5 Juni 2025

Pemohon,

Rizki Ardiyansah

PEMERIKSAAN (oleh Koord. Skripsi)

No	Perihal	Catatan
1.	Hasil studi kumulatif (≥ 116 sks dan $IPK \geq 2,00$)	143 SKS & IPK 3,8
2.	Nilai D maksimal 10% dari total SKS mata kuliah	0 %
3.	Kerja Praktek	
4.	Mengontrak mata kuliah Skripsi dalam KRS berjalan	
5.	Melakukan pendaftaran pada SISTA (TA-01)	
6.	Draf proposal telah disetujui Dosen Pembimbing (TA-02) Salinan sebanyak 4 eksemplar masing-masing untuk pembimbing dan penguji	
7.	Naskah seminar telah disetujui Dosen Pembimbing (TA-02) Salinan sebanyak 10-15 eksemplar untuk peserta sidang	
8.	Berita Acara Seminar Proposal (Smp-02)	
9.	Lembar saran & masukan (Smp-03)	
10.	Daftar hadir dosen (Smp-04)	
11.	Daftar hadir peserta seminar (Smp-05)	

Seminar tersebut dapat dilaksanakan, waktu dan tempat seminar harap dikonsultasikan dengan Dosen Pembimbing dan Dosen Penguji.

Cilegon, 2025

Koordinator Skripsi,

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001

Dibuat rangkap 2 untuk:

1. Mahasiswa ybs
2. Koord. Skripsi

* Pendaftaran Seminar Proposal Skripsi selambat-lambatnya 2 hari kerja sebelum seminar dilaksanakan.



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Smp-02

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**BERITA ACARA SEMINAR PROPOSAL SKRIPSI
JURUSAN TEKNIK SIPIL UNTIRTA**

Pada hari ini Rabu tanggal 5 bulan Juni tahun 2025, telah dilaksanakan Seminar Proposal Skripsi dari mahasiswa/mahasiswi, yaitu :

Nama : Rizki Ardiyansah

NPM : 3336210023

Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG
SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL
DESIGNER

Dosen pembimbing I : Baehaki, S.T., M.Eng

Dosen pembimbing II: Dr., Soelarso, S.T., M.Eng

Dosen Penguji I : Zulmahdi Darwis, S.T., M.Eng

Dosen Penguji II : Midia Rahma, S.Pd., M.T

Dari Seminar Proposal Skripsi ini dinyatakan bahwa mahasiswa tersebut telah dinyatakan MEMENUHI PERSYARATAN / TIDAK MEMENUHI PERSYARATAN untuk melanjutkan Penelitian (Skripsi) *)

Demikian Berita Acara ini dibuat dan selanjutnya untuk dapat dipergunakan sebagaimana mestinya.

Cilegon, 5 Juni 2025

Dosen Penguji I

Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005

Dosen Penguji II

Midia Rahma, S.Pd., M.T
NIP. 199601192024062002

Dosen Pembimbing I

Baehaki, S.T., M.Eng
NIP. 198705082015041001

Dosen Pembimbing II

Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004

Ket : *) coret yang tidak perlu
CC : Arsip



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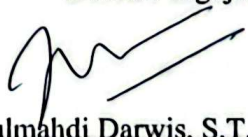
Smp-03

SARAN / MASUKAN
SEMINAR PROPOSAL SKRIPSI

Hari/Tgl : Kamis, 5 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
	-	awal kalimat usahakan tidak menggunakan kata kepun kata samirung dan pengandian - .	
	-	tugas belah. - Dipergunakan kan alur dari penulisan <u>sebel</u>	

Cilegon, 5 Juni 2025
Dosen Penguji I


Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
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Smp-03

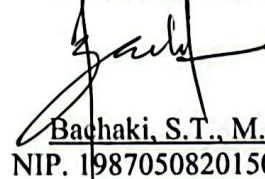
SARAN / MASUKAN
SEMINAR PROPOSAL SKRIPSI

Hari/Tgl : Kamis, 5 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
(1)		Pemalcaian feris pelat pada ETABS b tsd (shell / slab on beam)	b
(2)		Tujuan diperjelas apa yang mau di tuju	b
(3)		Pemusn masalah diperjelas	b
(4)		Manfaat penelitian berdasarkan tujuan yg telah tercapai	A
(5)		teori mawulkan yang dipakai dalam proposal	b

Cilegon, 5 Juni 2025

Dosen Pembimbing I


Bachaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Smp-03

SARAN / MASUKAN
SEMINAR PROPOSAL SKRIPSI

Hari/Tgl : Kamis, 5 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
1.		perjan tidak memakai tanda fanya (?)	

Cilegon, 5 Juni 2025
Dosen Penguji II

Midia Rahma, S.Pd., M.T
NIP. 199601192024062002



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Smp-04

DAFTAR HADIR SEMINAR PROPOSAL SKRIPSI

Hari/Tgl : Kamis, 5 Juni 2025
Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah
NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	NAMA	NIP	TANDA-TANGAN
1.	Bachaki, S.T., M.Eng	198705082015041001	1.
2.	Dr., Soelarso, S.T., M.Eng	198010012008121004	2.
3.	Zulmahdi Darwis, S.T., M.Eng	197706182008011005	3.
4.	Midia Rahma, S.Pd., M.T	199601192024062002	4.

Cilegon, 2025
Koordinator Skripsi

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Smp-05

DAFTAR HADIR SEMINAR PROPOSAL SKRIPSI

Hari/Tgl : Kamis, 5 Juni 2025
Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah
NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	NAMA	NPM	TANDA-TANGAN	KET.
1.	Tegar Andriansyah	3336200031	1.	
2.	Mohamed Syahmen A	3336210093	2.	
3.	Ahmad Fauzan Ardiansyah	3336210030	3.	
4.	Deden Buseorni	3336210020	4.	
5.	M. Faruq. A	3336210029	5.	
6.	M. Gema Ramadhan	3336210043	6.	
7.	Gusti Shandika Parama	3336220010	7.	
8.	Almol ALIF RIFDI	3336220073	8.	
9.	Faellh Setiawan	3336230001	9.	
10.	M. Ambari Ruwem	3336230125	10.	
11.	Siti Djula Hurchahya	3336210057	11.	
12.	Happy Treacy A	3336210053	12.	
13.	Shinta Jihan Abintai	3336210109	13.	
14.			14.	
15.			15.	

Cilegon, 2025
Koordinator Skripsi

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

Smp-06

BUKTI PERBAIKAN PROPOSAL SKRIPSI

Nama Peserta : Rizki Ardiyansah
NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN

Cilegon, 2025
Dosen Pembimbing II

Dr. Soelarso, S.T., M.Eng
NIP. 198010012008121004



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

Smp-06

BUKTI PERBAIKAN PROPOSAL SKRIPSI

Nama Peserta : Rizki Ardiyansah
NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN
1.		Tujuan tidak memalcai tanda tanya (?)		

Cilegon, 2025
Dosen Penguji II

Midia Rahma, S.Pd., M.T
NIP. 199601192024062002



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Smp-06

BUKTI PERBAIKAN PROPOSAL SKRIPSI

Nama Peserta : Rizki Ardiyansah

NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN

Cilegon,

2025

Dosen Penguji I

Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

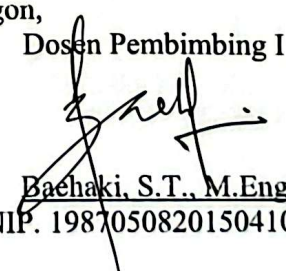
Smp-06

BUKTI PERBAIKAN PROPOSAL SKRIPSI

Nama Peserta : Rizki Ardiyansah
NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN
(1)		Jenis Pelat FTAB (Shell) & TSD (slab on Beam)		
(2)		Rumusan Masalah (gempa, Simpangan, Detailing struktur)		
(3)		Tujuan menjawab rumusan masalah		
(4)		Manfaat penelitian setelah tujuan tercapai		
(5)		Teori dipincei untuk proposal		

Cilegon, 2025
Dosen Pembimbing I


Baehaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Smp-07

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

FORM BIMBINGAN TUGAS AKHIR

Nama Mahasiswa : Rizki Ardiyansah
NIM : 3336210023
Program Studi : Teknik Sipil
Semester : 8
Pembimbing I : Baehaki, S.T., M.Eng
Judul Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

No.	Tanggal	Topik Pembahasan	Paraf Pembimbing
1	21/05/2025	Bimbingan Proposal (tujuan langsung mengurut, tujuan pustaka)	
2.	27/05/2025	Seminar Proposal	
3.	13/06/2025	Revisi Bab 5 (Detailing)	
4.	16/06/2025	Bimbingan BAB 5 & 6	
5.	19/06/2025	Seminar Hasil	
6.	23/06/2025	Sidang Akhir 30/06/2025	

Cilegon, 27 Mei 2025
Mahasiswa,

Rizki Ardiyansah
NIM. 3336210023

Mengetahui,
Pembimbing I Skripsi,

Baehaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
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Smp-07

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

FORM BIMBINGAN TUGAS AKHIR

Nama Mahasiswa : Rizki Ardiyansah
NIM : 3336210023
Program Studi : Teknik Sipil
Semester : 8
Pembimbing II : Dr., Soelarso, S.T., M.Eng
Judul Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR
GEDUNG SRPMK MENGGUNAKAN ETABS DAN TEKLA
STRUCTURAL DESIGNER

No.	Tanggal	Topik Pembahasan	Paraf Pembimbing
1.	21/05/2025	Bimbingan Proposal (tambahan teori dasar)	
2	27/05/2025	Seminar Proposal	
3	13/06/2025	BAB 5 - 6	
4	16/06/2025	BAB 1 - 6	
5	19/06/2025	Seminar Hasil	
6	23/06/2025	Sidang Akhir	

Cilegon, 27 Mei 2025
Mahasiswa,

Rizki Ardiyansah
NIM. 3336210023

Mengetahui,
Pembimbing II Skripsi,

Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK**

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten

Laman : www.ft.untirta.ac.id, email: ft.untirta.ac.id

Ahr-01

SURAT PERMOHONAN SIDANG AKHIR SKRIPSI

Yang bertanda tangan di bawah ini, saya mahasiswa Program Sarjana Jurusan Teknik Sipil Fakultas Teknik Universitas Sultan Ageng Tirtayasa,

Nama Mahasiswa : Rizki Ardiyansah
Nomor Mahasiswa : 3336210023
Alamat Mahasiswa : Ciracas, Serang, Banten
Dosen Pembimbing : Baehaki S.T., M.Eng

dengan prestasi studi 3,8 sampai dengan tanggal: 23 Juni 2025 seperti terlampir. Dengan ini saya mengajukan permohonan untuk dapat menyelenggarakan sidang akhir skripsi.

Cilegon, 23 Juni 2025

Pemohon,

Rizki Ardiyansah

PEMERIKSAAN (oleh Koord. Skripsi)

No	Perihal	Catatan
1.	Hasil studi kumulatif (≥ 139 sks dan $IPK \geq 2,00$)	147 sks, IPK 3,8
2.	Hasil studi kumulatif (nilai D ≤ 10 %)	Nilai D 0 %
3.	Draf bimbingan telah disetujui Dosen Pembimbing (SIKANG)	
4.	Daftar hadir dosen (Ahr-02)	
5.	Formulir saran & masukan (Ahr-03)	
6.	Formulir Penilaian Skripsi (Ahr-04)	
7.	Berita Acara Sidang Akhir (Ahr-05)	
8.	Formulir Rekapitulasi Penilaian Skripsi (Ahr-06)	
9.	Formulir Revisi Laporan Skripsi (Ahr-07)	
10.	Transkrip Nilai Mahasiswa ditandatangani Mahasiswa	
11.	Form bukti pelaksanaan seminar hasil (Hsl-01 sampai Hsl-06)	
12.	Sertifikat TOEFL Lab. Bahasa FT. Untirta (Min. Score 425)	

Sidang Akhir tersebut dapat dilaksanakan, waktu dan tempat seminar harap dikonsultasikan dengan Dosen Pembimbing dan Dosen Penguji.

Cilegon, 2025

Koordinator Skripsi,

Firyaal Nabila, S.T., M.Eng
NIP. 199810252024062001

Dibuat rangkap 3 untuk:

1. Mahasiswa ybs
2. Koordinator Skripsi

** Pendaftaran Sidang Akhir Skripsi selambat-lambatnya 5 hari kerja sebelum sidang dilaksanakan.*



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-02

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

DAFTAR HADIR SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025
Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah
NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG
SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	NAMA	NIP	TANDA-TANGAN
1.	Baehaki, S.T., M.Eng	198705082015041001	1.
2.	Dr., Soelarso, S.T., M.Eng	198010012008121004	2.
3.	Zulmahdi Darwis, S.T., M.Eng	197706182008011005	3.
4.	Midia Rahma, S.Pd., M.T	199601192024062002	4.

Cilegon, 2025
Koordinator Skripsi

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-03

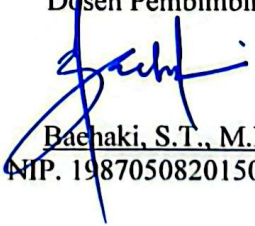
Jl. Jendral Soedirman Km. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

SARAN / MASUKAN
SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN *ETABS* DAN *TEKLA STRUCTURAL DESIGNER*

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.

Cilegon, 30 Juni 2025
Dosen Pembimbing I


Baehaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
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Ahr-03

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Telepon (0254) 376712 Laman: ft.untirta.ac.id

SARAN / MASUKAN
SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN *ETABS* DAN *TEKLA STRUCTURAL DESIGNER*

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.

Cilegon, 30 Juni 2025
Dosen Pembimbing I


Baehaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
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Telepon (0254) 376712 Laman: ft.untirta.ac.id

Ahr-03

SARAN / MASUKAN
SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
-		latur belakang ditambahkan penelitian sebelumnya.	
-		Anal kalimat sudah tidak menggunakan kata depan. pengandaian sambung.	

Cilegon, 30 Juni 2025
Dosen Penguji I

Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
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Ahr-03

SARAN / MASUKAN
SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN *ETABS* DAN *TEKLA STRUCTURAL DESIGNER*

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
		cek, perbedaan ratio antara etabs & tekla	

Cilegon, 30 Juni 2025
Dosen Pembimbing II

Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
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Ahr-03

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Telepon (0254) 376712 Laman: ft.untirta.ac.id

SARAN / MASUKAN
SIDANG AKHIR SKRIPSI

Hari/Tgl : Senin, 30 Juni 2025 Waktu : 08.00 - Selesai
Nama Peserta : Rizki Ardiyansah NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.
1.		Tambahkan kesimpulan pada setiap bahasan rumusan masalah terkait lebih konservatif mana software ETABS dan TSD.	

Cilegon, 30 Juni 2025
Dosen Penguji II

Midia Rahma, S.Pd., M.T
NIP. 199601192024062002



KEMENTERIAN PENDIDIKAN TINGGI, SAINS
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-04

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten
Laman : www.ft.untirta.ac.id, email: ft.untirta.ac.id

DRAFT FORMAT PENILAIAN SIDANG AKHIR SKRIPSI

Judul Tugas Akhir: Hari/Tgl : Senin, 30 Juni 2025
PERBANDINGAN PERANCANGAN STRUKTUR Waktu : 08.00 - Selesai
GEDUNG SRPMK MENGGUNAKAN ETABS DAN Nama Mahasiswa : Rizki Ardiyansah
TEKLA STRUCTURAL DESIGNER NPM : 3336210023

NO	ASPEK YANG DINILAI	PENGUASAAN (0-100)
A	METODOLOGI	.....
1.	Rumusan Masalah & Tujuan Penelitian	.....
2.	Prosedur Pengumpulan Data & Analisis Data	.....
3.	Interpretasi Hasil	.....
4.	Penarikan Kesimpulan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RA) = Jumlah Nilai / 4	.....
B	ISI SKRIPSI	.....
1.	Relevansi Teori dan Pembahasan	.....
2.	Tata Tulis	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RB) = Jumlah Nilai / 2	.....
C	PROSES BIMBINGAN	.....
1.	Intensitas Bimbingan	.....
2.	Sikap Saat Bimbingan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RC) = Jumlah Nilai / 2	.....
D	PROSES SIDANG AKHIR	.....
1.	Kemampuan Presentasi	.....
2.	Penguasaan Materi	.....
3.	Kemampuan Menjawab	.....
4.	Sikap Saat Presentasi	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RD) = Jumlah Nilai / 4	.....
NILAI AKHIR = (RA + RB + RC + RD)/4		

Cilegon, 30 Juni 2025

Penguji II,

Midia Rahma, S.Pd., M.T
NIP. 199601192024062002



KEMENTERIAN PENDIDIKAN TINGGI, SAINS
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-04

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten

Laman : www.ft.untirta.ac.id, email: ft.untirta.ac.id

DRAFT FORMAT PENILAIAN SIDANG AKHIR SKRIPSI

Judul Tugas Akhir: PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER
Hari/Tgl: Senin, 30 Juni 2025
Waktu: 08.00 - Selesai
Nama Mahasiswa: Rizki Ardiyansah
NPM: 3336210023

NO	ASPEK YANG DINILAI	PENGUASAAN (0-100)
A	METODOLOGI	.....
	1. Rumusan Masalah & Tujuan Penelitian	.....
	2. Prosedur Pengumpulan Data & Analisis Data	.....
	3. Interpretasi Hasil	.....
	4. Penarikan Kesimpulan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RA) = Jumlah Nilai / 4	.....
B	ISI SKRIPSI	
	1. Relevansi Teori dan Pembahasan	.....
	2. Tata Tulis	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RB) = Jumlah Nilai / 2	.....
C	PROSES BIMBINGAN	
	1. Intensitas Bimbingan	.....
	2. Sikap Saat Bimbingan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RC) = Jumlah Nilai / 2	.....
D	PROSES SIDANG AKHIR	
	1. Kemampuan Presentasi	.....
	2. Penguasaan Materi	.....
	3. Kemampuan Menjawab	.....
	4. Sikap Saat Presentasi	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RD) = Jumlah Nilai / 4	.....
NILAI AKHIR = (RA + RB + RC + RD)/4		

Cilegon, 30 Juni 2025
Pembimbing II,

Dr., Soelarlo, S.T., M.Eng
NIP. 198010012008121004



KEMENTERIAN PENDIDIKAN TINGGI, SAINS
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-04

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten

Laman: : www.ft.untirta.ac.id, email: ft.untirta.ac.id

DRAFT FORMAT PENILAIAN SIDANG AKHIR SKRIPSI

Judul Tugas Akhir: PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER
Hari/Tgl: :Senin, 30 Juni 2025
Waktu: : 08.00 - Selesai
Nama Mahasiswa: : Rizki Ardiyansah
NPM: : 3336210023

NO	ASPEK YANG DINILAI	PENGUASAAN (0-100)
A	METODOLOGI	
1.	Rumusan Masalah & Tujuan Penelitian	.....
2.	Prosedur Pengumpulan Data & Analisis Data	.....
3.	Interpretasi Hasil	.....
4.	Penarikan Kesimpulan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RA) = Jumlah Nilai / 4	.....
B	ISI SKRIPSI	
1.	Relevansi Teori dan Pembahasan	.....
2.	Tata Tulis	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RB) = Jumlah Nilai / 2	.....
C	PROSES BIMBINGAN	
1.	Intensitas Bimbingan	.....
2.	Sikap Saat Bimbingan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RC) = Jumlah Nilai / 2	.....
D	PROSES SIDANG AKHIR	
1.	Kemampuan Presentasi	.....
2.	Penguasaan Materi	.....
3.	Kemampuan Menjawab	.....
4.	Sikap Saat Presentasi	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RD) = Jumlah Nilai / 4	.....
NILAI AKHIR = (RA + RB + RC + RD)/4		

Cilegon, 30 Juni 2025

Penguji I,

Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005



KEMENTERIAN PENDIDIKAN TINGGI, SAINS
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Ahr-04

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten

Laman : www.ft.untirta.ac.id, email: ft.untirta.ac.id

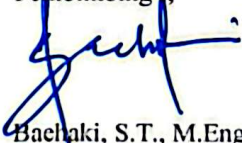
DRAFT FORMAT PENILAIAN SIDANG AKHIR SKRIPSI

Judul Tugas Akhir: Hari/Tgl : Senin, 30 Juni 2025
PERBANDINGAN PERANCANGAN STRUKTUR Waktu : 08.00 - Selesai
GEDUNG SRPMK MENGGUNAKAN ETABS DAN Nama Mahasiswa : Rizki Ardiyansah
TEKLA STRUCTURAL DESIGNER NPM : 3336210023

NO	ASPEK YANG DINILAI	PENGUASAAN (0-100)
A	METODOLOGI	
1.	Rumusan Masalah & Tujuan Penelitian	.....
2.	Prosedur Pengumpulan Data & Analisis Data	.....
3.	Interpretasi Hasil	.....
4.	Penarikan Kesimpulan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RA) = Jumlah Nilai / 4	.....
B	ISI SKRIPSI	
1.	Relevansi Teori dan Pembahasan	.....
2.	Tata Tulis	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RB) = Jumlah Nilai / 2	.....
C	PROSES BIMBINGAN	
1.	Intensitas Bimbingan	.....
2.	Sikap Saat Bimbingan	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RC) = Jumlah Nilai / 2	.....
D	PROSES SIDANG AKHIR	
1.	Kemampuan Presentasi	.....
2.	Penguasaan Materi	.....
3.	Kemampuan Menjawab	.....
4.	Sikap Saat Presentasi	.....
	Jumlah Nilai	.....
	Rata-Rata Nilai (RD) = Jumlah Nilai / 4	.....
NILAI AKHIR = (RA + RB + RC + RD)/4		

Cilegon, 30 Juni 2025

Pembimbing I,



Bachaki, S.T., M.Eng

NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN TINGGI, SAINS
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK
Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten
Laman: : www.fl.untirta.ac.id, email: fl.untirta.ac.id

Ahr-05

BERITA ACARA SIDANG SKRIPSI/TUGAS AKHIR

Pada hari ini, Tanggal 30 Bulan Juni Tahun 2025, bertempat di Ruang Sidang Fakultas Teknik Universitas Sultan Ageng Tirtayasa, telah dilaksanakan Ujian Sidang Skripsi/Tugas Akhir atas nama:

Nama Mahasiswa : Rizki Ardiyansah
NIM : 3336210023
Penguji : Ketua Sidang : Baehaki, S.T., M.Eng
Penguji I : Zulmahdi Darwis, S.T., M.Eng
Penguji II : Midia Rahma, S.Pd., M.T
Penguji III : Dr., Soelarso, S.T., M.Eng
Judul Skripsi/Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG
SRPMK MENGGUNAKAN ETABS DAN TEKLA
STRUCTURAL DESIGNER
Waktu : 08.00 - Selesai
Catatan Kegiatan :

lulus bergaya

Demikian Berita Acara ini dibuat dengan sebenar – benarnya untuk diketahui dan dipergunakan sebagaimana mestinya

Cilegon, 30 Juni 2025

Ketua
Sidang : Baehaki, S.T., M.Eng
NIP. 198705082015041001

Penguji 1 : Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005

Penguji 2 : Midia Rahma, S.Pd., M.T
NIP. 199601192024062002

Penguji 3 : Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004

[Signatures]



KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten
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Ahr-06

FORM REKAPITULASI PENILAIAN
UJIAN SIDANG SKRIPSI/TUGAS AKHIR

Nama Mahasiswa : Rizki Ardiyansah
NIM : 3336210023
Judul Skripsi/Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR
GEDUNG SRPMK MENGGUNAKAN *ETABS* DAN *TEKLA*
STRUCTURAL DESIGNER
Waktu : 08.00 – Selesai

No	Penguji	Rentang Nilai	Nilai
1	Bachaki, S.T., M.Eng	10 – 100	
2	Zulmahdi Darwis, S.T., M.Eng	10 – 100	
3	Midia Rahma, S.Pd., M.T	10 – 100	
4	Dr., Soelarso, S.T., M.Eng	10 – 100	
Total Nilai			
Nilai Huruf Mutu			

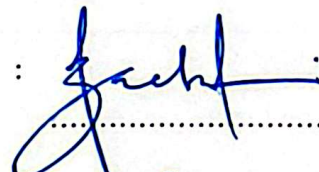
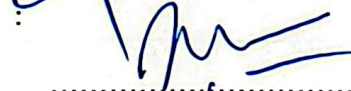
Cilegon, 30 Juni 2025

Ketua
Sidang : Bachaki, S.T., M.Eng
NIP. 198705082015041001

Penguji 1 : Zulmahdi Darwis, S.T., M.Eng
NIP. 197706182008011005

Penguji 2 : Midia Rahma, S.Pd., M.T
NIP. 199601192024062002

Penguji 3 : Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004

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: 
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: 
.....



KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jendral Soedirman Km. 03 Kota Cilegon Provinsi Banten
Laman: : www.ft.untirta.ac.id, email: ft.untirta.ac.id

Ahr-07

FORM REVISI LAPORAN SKRIPSI/TUGAS AKHIR

Nama Mahasiswa : Rizki Ardiyansah
NIM : 3336210023
Tanggal Sidang : Senin, 30 Juni 2025
Waktu : 08.00 - Selesai
Judul Skripsi/Tugas Akhir : PERBANDINGAN PERANCANGAN STRUKTUR
GEDUNG SRPMK MENGGUNAKAN ETABS DAN TEKLA
STRUCTURAL DESIGNER

No	NAMA PENGGUJI	HAL YANG PERLU DIREVISI	PARAF
1	Baehaki, S.T., M.Eng	- pengisian draft struktur - pelapor over/under revisi	Tgl: [Signature]
2	Zulmahdi Darwis, S.T., M.Eng		Tgl: [Signature]
3	Midia Rahma, S.Pd., M.T		Tgl: [Signature]
4	Dr., Soelarso, S.T., M.Eng		Tgl: [Signature]

Cilegon, 30 Juni 2025
Ketua Pengguji

[Signature]

Baehaki, S.T., M.Eng

NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

Hsl-01

**BERITA ACARA SEMINAR HASIL SKRIPSI
JURUSAN TEKNIK SIPIL UNTIRTA**

Pada hari ini Jum'at tanggal 20 bulan Juni tahun 2025, telah dilaksanakan Seminar Hasil Skripsi dari mahasiswa/mahasiswi, yaitu :

Nama : Rizki Ardiyansah

NPM : 3336210023

Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG
SRPMK MENGGUNAKAN ETABS DAN TEKLA STRUCTURAL
DESIGNER

Dosen pembimbing I : Baehaki, S.T., M.Eng

Dosen pembimbing II: Dr., Soelarso, S.T., M.Eng

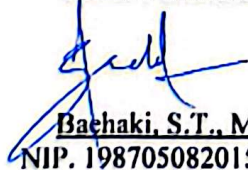
Dari Seminar Hasil Skripsi ini dinyatakan bahwa mahasiswa tersebut telah dinyatakan MEMENUHI PERSYARATAN / TIDAK MEMENUHI PERSYARATAN untuk melanjutkan ke Sidang Akhir *)

Demikian Berita Acara ini dibuat dan selanjutnya untuk dapat dipergunakan sebagaimana mestinya.

Cilegon,

2025

Dosen Pembimbing I


Baehaki, S.T., M.Eng
NIP. 198705082015041001

Dosen Pembimbing II


Dr., Soelarso, S.T., M.Eng
NIP. 198010012008121004

Ket : *) coret yang tidak perlu
CC : Arsip



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK**

Hsl-02

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

**SARAN / MASUKAN
SEMINAR HASIL SKRIPSI**

Hari/Tgl : Jum'at, 20 Juni 2025

Waktu : 09.00 - Selesai

Nama Peserta : Rizki Ardiyansah

NPM : 3336210023

Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.

Cilegon, 2025
Dosen Pembimbing II

Dr., Soelarlo, S.T., M.Eng
NIP. 198010012008121004



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Hsl-02

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

SARAN / MASUKAN
SEMINAR HASIL SKRIPSI

Hari/Tgl : Jum'at, 20 Juni 2025

Waktu : 09.00 - Selesai

Nama Peserta : Rizki Ardiyansah

NPM : 3336210023

Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	HAL	MASUKAN/SARAN/KOREKSI/DLL	KET.

Cilegon,

2025

Dosen Pembimbing I

Baehaki, S.T., M.Eng

NIP. 198705082015041001



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK**

Hsl-03

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

DAFTAR HADIR SEMINAR HASIL SKRIPSI

Hari/Tgl : Jum'at, 20 Juni 2025
Waktu : 09.00 - Selesai
Nama Peserta : Rizki Ardiyansah
NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	NAMA	NIP	TANDA-TANGAN
1.	Baehaki, S.T., M.Eng	198705082015041001	1.
2.	Dr., Soelarso, S.T., M.Eng	198010012008121004	2.

Cilegon,

2025

Koordinator Skripsi

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

Hsl-04

DAFTAR HADIR SEMINAR HASIL SKRIPSI

Hari/Tgl : Jum'at, 20 Juni 2025
Waktu : 09.00 - Selesai
Nama Peserta : Rizki Ardiyansah
NPM : 3336210023
Judul Skripsi : PERBANDINGAN PERANCANGAN STRUKTUR GEDUNG SRPMK
MENGUNAKAN ETABS DAN TEKLA STRUCTURAL DESIGNER

NO	NAMA	NPM	TANDA-TANGAN	KET.
1.	Fitra Romadhoni	3336210054	1.	
2.	M. MAULAN FARAS M	3336210030	2.	
3.	Andien Puspita Syahrani	3336210077	3.	
4.	Senseiryu Apriyantongom Simbolon	3336210078	4.	
5.	Zainun A. Idris	3336210076	5.	
6.	Syahrul Arya Nurazdy	3336210019	6.	
7.	RENDY YUSTIANA Y	3336210166	7.	
8.	Robby Firman H	3336210099	8.	
9.	Rizka A.	3336210021	9.	
10.	Akmal Sulthon Al-Mubarak	3336210091	10.	
11.			11.	
12.			12.	
13.			13.	
14.			14.	
15.			15.	

Cilegon, 2025
Koordinator Skripsi

Firyaal Nabila, S.T., M.Eng.
NIP. 199810252024062001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
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Hsl-05

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

BUKTI PERBAIKAN LAPORAN HASIL SKRIPSI

Nama Peserta : Rizki Ardiyansah
NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN

Cilegon, 2025

Dosen Pembimbing I

Baehaki, S.T., M.Eng
NIP. 198705082015041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
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Telepon (0254) 376712 Laman: ft.untirta.ac.id

Hsl-05

BUKTI PERBAIKAN LAPORAN HASIL SKRIPSI

Nama Peserta : Rizki Ardiyansah

NPM : 3336210023

NO	HARI/ TANGGAL	PERIHAL	BAB	HALAMAN

Cilegon, 23-06 - 2025
Dosen Pembimbing II

Dr., Soelarlo, S.T., M.Eng
NIP. 198010012008121004



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Hsl-06

Jalan Jenderal Soedirman KM. 3 Kota Cilegon Provinsi Banten 42435
Telepon (0254) 376712 Laman: ft.untirta.ac.id

BUKTI KEHADIRAN TELAH MENGIKUTI SEMINAR

Nama Peserta : Rizki Ardiyansah
NPM : 3336210023

SEMINAR YANG PERNAH DIKUTI

NO	JUDUL	Mahasiswa	Paraf ¹
1	Analisis Produktivitas Pekerjaan Penancungan Tiang pancang menggunakan Pilesc Hammer (studi kasus : Proyek Samudra morne Indonesia 3 Bojonegara)	Dodi Arya Rafaellu (333180072)	
2	Analisis perbandingan preferensi penumpang pada moda transportasi travel dengan bus AKAP (Rute Kwang - Bandung)	Diva Galuh Nishanthi (3336210080)	
3	Analisis kebutuhan Fasilitas Pedestrian Berbasis konsep Active living & Inklusif pada kawasan kampus & lingkungan UNTIRTA	Muhammad Rendi Ardiyansah (3336210078)	
4	Analisis tingkat pelayanan stasiun Batu Ceper berdasarkan preferensi penumpang	Mulyarah (3336210007)	
5	Pengaruh Benambahan Abu Sawit dan Semen Portland terhadap nilai CBR unsoaked CBR kasus : J. Raya Serang, Ciamis, kec. Soboro	Pusur Ratihah (3336210007)	
6	Stabilisasi Tanah Lempung Menggunakan Serbuk Limbah Karet Ban terhadap nilai kuat tekan beton	Zahra Aninda Nur. F (3336210063)	
7	Stabilisasi tanah lempung menggunakan Zeolit bayah dan Semen Portland terhadap nilai CBR unsoaked	Mza Yulia Putri (3336210002)	
8	Stabilisasi tanah lempung menggunakan Serbuk Limbah Karet Ban terhadap nilai CBR unsoaked	Siti Djulia (3336210057)	
9	Analisis kebutuhan Fasilitas penunjang Halk BRT di koridor 1 Kota Serang	Robby Firman Hidayat (3336210009)	
10	Evaluasi zona selamat sekolah (ZSS) di kabupaten pandeglang	Faidi Hanadha (3336210062)	

¹ paraf pembimbing 1 skripsi



UNIVERSITAS SULTAN AGENG TIRTAYASA

Jalan Raya Jakarta KM. 04 Pakupatan Kota Serang - Banten, Telp. 0254-280330, Faks. (0254)-281254

TRANSKRIP AKADEMIK

Sementara

Diberikan Kepada : **RIZKI ARDIYANSAH**
Tempat, Tanggal Lahir : **JAKARTA, 08 Januari 2003**
Nomor Pokok Mahasiswa : **3336210023**
Tanggal Kelulusan : **-**
Program Pendidikan : **(S1)**
Fakultas : **TEKNIK**
Program Studi : **TEKNIK SIPIL**
Terakreditasi B
Nomor: 1824/SK/BAN-PT/Ak-PPJ/S/III/2022 Tanggal 30 Maret 2022

No	Nomor Kode dan Nama Matakuliah		Prestasi			
			HM	AM	K	M
1	UNI622101	Agama	A	4,00	2	8,00
2	TSP622105	Dasar-dasar Transportasi	B+	3,50	2	7,00
3	TEKSP622101	Fisika Dasar I	A-	3,75	2	7,50
4	TSP622103	Gambar Teknik	B+	3,50	2	7,00
5	TEKSP622105	Ilmu Lingkungan	A	4,00	2	8,00
6	TSP622107	Ilmu Ukur Tanah	A-	3,75	2	7,50
7	TEKSP622103	Kalkulus I	A	4,00	3	12,00
8	TEKSP622109	Praktikum Fisika Dasar	A	4,00	1	4,00
9	TEKSP622107	Statistik dan Probabilitas	B	3,00	2	6,00
10	TEKSP622102	Fisika Dasar 2	A	4,00	2	8,00
11	TEKSP622104	Kalkulus 2	A	4,00	3	12,00
12	TSP622106	Kesehatan dan keselamatan kerja	A-	3,75	2	7,50
13	TEKSP622106	Kimia Dasar	B	3,00	2	6,00
14	TSP622102	Konstruksi Bangunan	A-	3,75	2	7,50
15	UNI622102	Moderasi Beragama	A	4,00	2	8,00
16	TSP622110	Praktikum Gambar Teknik	A-	3,75	1	3,75
17	TSP622112	Praktikum Ilmu Ukur Tanah	A	4,00	1	4,00
18	TSP622104	Struktur Statis Tertentu	A-	3,75	3	11,25
19	TSP622108	Teknik Lalu Lintas	A	4,00	2	8,00
20	TSP622205	Bandar Udara	A-	3,75	2	7,50
21	TSP622201	Hidrologi	A	4,00	2	8,00
22	TEKSP622201	Kalkulus 3	A	4,00	2	8,00
23	TSP622211	Mekanika Bahan	A	4,00	3	12,00
24	TSP622209	Mekanika Fluida dan Hidrolika	A	4,00	2	8,00
25	TSP622213	Mekanika Tanah 1	A	4,00	2	8,00
26	TSP622203	Pemindahan Tanah Mekanis & Alat Berat	A	4,00	2	8,00
27	TSP622215	Praktikum Hidrolika	A	4,00	1	4,00
28	TSP622217	Praktikum Teknologi Beton	A-	3,75	1	3,75
29	TSP622207	Rel Kereta Api	A-	3,75	2	7,50
30	TSP622202	Drainase	A-	3,75	2	7,50

Nama: **RIZKI ARDIYANSAH**

Nomor Pokok Mahasiswa: **3336210023**

No	Nomor Kode dan Nama Matakuliah		Prestasi			
			HM	AM	K	M
31	TSP622204	Irigasi dan Bangunan Air	A	4,00	2	8,00

32	TEKSP622202	Kalkulus 4	B+	3,50	2	7,00
33	TSP622212	Manajemen Proyek	A	4,00	2	8,00
34	TSP622210	Mekanika Tanah 2	A	4,00	2	8,00
35	TSP622206	Pemograman Teknik Sipil	A-	3,75	2	7,50
36	TSP622218	Praktikum Mekanika Tanah	A-	3,75	1	3,75
37	TSP622214	Struktur Beton 1	B	3,00	2	6,00
38	TSP622208	Struktur Statis Tak Tentu	A	4,00	3	12,00
39	TSP622216	Teknik Pantai	A-	3,75	2	7,50
40	TSP622303	Analisa Struktur Metode Matriks	A-	3,75	3	11,25
41	UNI622305	Bahasa Indonesia	B+	3,50	2	7,00
42	UNI622303	Kewarganegaraan	A	4,00	2	8,00
43	TEKSP622301	Metode Numerik	A-	3,75	2	7,50
44	UNI622301	Pancasila	A	4,00	2	8,00
45	TSP622301	Perencanaan Struktur Geometri Jalan	B+	3,50	2	7,00
46	TSP622305	Rekayasa Pondasi 1	B+	3,50	2	7,00
47	TSP622307	Struktur Baja 1	A	4,00	2	8,00
48	TSP622309	Struktur Beton 2	A	4,00	2	8,00
49	TSP622300	Kerja Praktek	A	4,00	2	8,00
50	UNI622304	Kuliah Kerja Mahasiswa (KKM)	A	4,00	3	12,00
51	TSP622312	Metodologi Penelitian	A-	3,75	2	7,50
52	TSP622304	Perencanaan Perkerasan Jalan	A-	3,75	2	7,50
53	TSP622314	Praktikum Perkerasan Jalan	A	4,00	1	4,00
54	TSP622306	Rekayasa Pondasi 2	C+	2,50	2	5,00
55	TSP622308	Struktur Baja 2	A	4,00	2	8,00
56	TSP622302	Struktur Kayu	A-	3,75	2	7,50
57	UNI622302	Studi Kebantenan	A	4,00	2	8,00
58	TSP622310	Teknik Gempa	A	4,00	2	8,00
59	UNI622401	English for Academic Purpose	A	4,00	3	12,00
60	UNI622405	Ketahanan Pangan	B+	3,50	2	7,00
61	TSP622403	Kewirausahaan Teknik Sipil	A-	3,75	2	7,50
62	TSP622410	Manajemen Lalu lintas	A	4,00	2	8,00
63	TSP622407	Metode Pelaksanaan Konstruksi	A-	3,75	2	7,50

Nama: RIZKI ARDIYANSAH

Nomor Pokok Mahasiswa: 3336210023

No	Nomor Kode dan Nama Matakuliah	Prestasi			
		HM	AM	K	M
64	TSP622405 Pelabuhan	A	4,00	2	8,00
65	TSP622401 Perencanaan Struktur Gedung	A	4,00	2	8,00
66	TSP622412 Rencana Anggaran Biaya (RAB)	A-	3,75	2	7,50
67	TSP622414 Teknik Lalu lintas Lanjut	A	4,00	2	8,00
68	UNI622403 Teknologi dan Transformasi Digital	A-	3,75	2	7,50
69	TSP622404 Aspek Hukum Teknik Sipil	A	4,00	2	8,00
70	TSP622428 Building Information Modelling	A	4,00	2	8,00
71	TSP622402 Jembatan	B-	2,75	2	5,50
72	TSP622400 Skripsi	A	4,00	3	12,00
73	TSP622427 Struktur Beton 3	A	4,00	2	8,00
74	TSP622425 Teknologi Bambu dan Kayu	A	4,00	2	8,00
Judul:					
		Jumlah		150	571
		Indeks Prestasi : 3,81			
		Predikat Kelulusan : Dengan Pujian			

Keterangan:

HM = Huruf Mutu AM = Angka Mutu
K = Kredit M = Mutu

Serang, 28 Juli 2025

Ketua Jurusan



Dr. Rindu Twidi Bethary, S.T., M.T
NIP. 198212062010122001

NIP



UNIVERSITAS SULTAN AGENG TIRTAYASA
UPA BAHASA (LANGUAGE CENTER)

ENGLISH PROFICIENCY TEST (EPT)
SCORE RECORD

No.4075/EPT.PB/2025

NAME : RIZKI ARDIYANSAH
PLACE & DATE OF BIRTH : JAKARTA, 8 JANUARY 2003
SEX : MALE
NATIVE COUNTRY : INDONESIA
NATIVE LANGUAGE : INDONESIAN
SCORES : LISTENING :47
STRUCTURE AND WRITTEN EXPRESSION :46
READING :43
TOTAL SCORE :453
TEST DATE : 18/6/2025

THIS ENGLISH PROFICIENCY TEST (EPT) IS ADMINISTERED BY THE LANGUAGE CENTRE
OF SULTAN AGENG TIRTAYASA UNIVERSITY (UNTIRTA).

AUTHORIZED BY
THE HEAD OF LANGUAGE CENTRE



Jl. Raya Jkt Km 4 Jl. PAKUPATAN, PENANCANGAN,
KEC. CIPOCOK JAYA, KOTA SERANG, BANTEN 42124

UDI SAMANHUDE, PH.D.
NIP. 198301232006041001

PERNYATAAN KEASLIAN SKRIPSI

Dengan ini saya sebagai penulis Skripsi berikut :

Judul : PERBANDINGAN PERANCANGAN STRUKTUR
GEDUNG SRPMK MENGGUNAKAN *ETABS* DAN
TEKLA STRUCTURAL DESIGNER

Nama : Rizki Ardiyansah

Nim : 3336210023

Fakultas/Jurusan : Teknik/Teknik Sipil

Menyatakan dengan sesungguhnya bahwa Skripsi tersebut di atas adalah benar-benar hasil karya asli saya dan tidak memuat hasil karya orang lain, kecuali dinyatakan melalui rujukan yang benar dan dapat dipertanggung jawabkan. Apabila dikemudian hari ditemukan hal – hal yang menunjukkan bahwa sebagian atau seluruh karya ini bukan karya saya, maka saya bersedia dituntut melalui hukum yang berlaku. Saya juga bersedia menanggung segala akibat hukum yang timbul dari pernyataan yang secara sadar dan sengaja akibat hukum yang timbul dari pernyataan yang secara sadar dan sengaja saya nyatakan melalui lembar ini.

Cilegon, Juni 2025



Rizki Ardiyansah
NIM. 3336210023