

Tabel 4.4 Gaya geser terfaktor tumpuan kiri balok portal B

Lantai	Nama balok	V <sub>DL</sub> (N)	V <sub>SDL</sub> (N)	V <sub>L_lantai</sub> (N)	V <sub>L_atap</sub> (N)	V <sub>E</sub> (N)	Kombinasi					
							1	2	3A*	3B*	4A**	4B**
6	B5	-63469.29	-15999.59	-2853.16	-11552.02	10917.98	-111256.4	-115730.4	-79891.6	-123563.5	-49686.0	-93358.0
	B6	-69501.22	-19856.29	835.16	-14252.73	9633.32	-125100.5	-125953.5	-93813.8	-132347.1	-61155.1	-99688.4
	B7	-71982.56	-19749.97	-881.05	-14125.52	9552.91	-128425.5	-130898.6	-97479.3	-135691.0	-63453.5	-101665.1
	B8	-72108.99	-21931.14	2500.36	-15381.92	9893.44	-131656.2	-130958.6	-98720.8	-138294.5	-64849.2	-104423.0
5	B5	-75552.5	-17559.13	-33083.17	-756.58	26435.1	-130356.3	-159450.7	-73775.2	-179515.6	-30930.3	-136670.7
	B6	-75274.65	-19335.38	-34794.26	198.9	23189.9	-132454.0	-161921.3	-66978.4	-175033.5	-38769.2	-131528.8
	B7	-78273.06	-18981.18	-35600.97	-129.02	23310.42	-136155.9	-166469.8	-85635.7	-178877.4	-40908.0	-134149.7
	B8	-73994.84	-21111.66	-34877.36	666.5	24888.02	-133149.1	-162187.2	-79370.3	-178922.4	-35819.8	-135371.9
4	B5	-74030.31	-17363.97	-33470.02	-260.08	40533.51	-127952.0	-157262.3	-43477.7	-205611.8	-1187.8	-163321.9
	B6	-75635.63	-19419.04	-34584.27	33.1	34265.14	-133076.5	-162376.4	-60632.5	-197693.0	-17018.9	-154079.5
	B7	-78086.74	-18967.44	-35625.47	-83.06	34467.93	-135875.9	-166171.3	-63062.4	-200934.1	-18412.9	-156284.6
	B8	-75307.53	-21305.29	-34569.57	245.67	38126.5	-135257.9	-164170.1	-54755.7	-207261.7	-10698.5	-163204.5
3	B5	-73098.77	-17368.21	-33020.17	-244.85	50642.9	-126653.8	-155493.3	-21941.1	-224512.7	19865.5	-182706.1
	B6	-75760.54	-19428.65	-34676.25	45.55	42209.62	-133264.9	-162654.6	-44941.4	-213779.9	-1251.0	-170089.5
	B7	-77836.83	-18926.9	-35541.37	-66	42488.98	-135469.2	-165699.0	-46633.1	-216589.0	-2109.4	-172065.3
	B8	-76149.76	-21284.33	-34959.92	222.62	47704.22	-136407.7	-165736.5	-36767.4	-227584.2	7717.8	-183099.1
2	B5	-71913.29	-17488.42	-32594.83	-158.24	59385.94	-125162.4	-152968.7	-2951.0	-240331.0	38310.3	-199233.4
	B6	-75902.7	-19414.61	-34707.11	26.53	49113.03	-133444.2	-162883.6	-31311.9	-227764.0	12440.5	-184011.6
	B7	-77503.37	-18906.05	-35430.66	-42.44	49433.37	-134973.2	-165103.9	-32266.0	-229999.5	12098.3	-185635.2
	B8	-77229.51	-21156.34	-35354.84	144.43	56113.66	-137740.2	-167549.1	-21300.1	-245754.8	23680.1	-200774.6
1	B5	-68717.83	-17205.02	-31205.56	-82.35	67077.43	-120292.0	-147285.9	17241.6	-251068.1	56824.3	-211485.4
	B6	-76605.57	-19549.28	-35011.45	14.66	52311.79	-134616.8	-164308.5	-26050.6	-235297.7	18084.2	-191162.9
	B7	-77022.47	-18813.22	-35249.76	-22.7	52720.32	-134170.0	-164113.4	-24909.2	-235790.5	19188.5	-191692.8
	B8	-80015.33	-21314.77	-36574.78	74.73	62352.48	-141862.1	-172924.0	-12931.1	-262341.0	33507.9	-215902.1

kombinasi :

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|--|--|
| 1. 1,4D                                  | 3B. 1,2D+1,2SDL+0.5LLatap+0.5LLlantai-2E |
| 2. 1,2D+1,2SDL+1,6LLatap+1,6LLlantai     | 4A. 0,9D+0,9SDL+2E                       |
| 3A. 1,2D+1,2SDL+0.5LLatap+0.5LLlantai+2E | 4B. 0,9D+0,9SDL-2E                       |

catatan : \* untuk desain ambil yang terbesar ( tanda mutlak)  
 \*\* untuk desain ambil yang terbesar ( tanda mutlak)

Tabel 4.5 Gaya geser terfaktor tumpuan kanan balok portal B

Lantai	Nama balok	V <sub>DL</sub> (N)	V <sub>SDL</sub> (N)	V <sub>L_lantai</sub> (N)	V <sub>L_atap</sub> (N)	V <sub>E</sub> (N)	Kombinasi					
							1	2	3A*	3B*	4A**	4B**
6	B5	70679.77	21502.62	-2597.2	15133.26	10068.62	129055.3	128343.9	136295.2	96020.7	103101.4	62826.9
	B6	70639.25	19260.38	775	13870.44	9662.9	125859.5	128317.6	133592.2	94940.6	100235.5	61583.9
	B7	70641.77	20041.64	-787.76	14510.15	9695.17	126956.8	127858.0	134159.8	95379.1	101005.4	62224.7
	B8	64693.82	16427.51	2811.21	11856.14	10957.27	113569.9	117966.7	125704.2	81875.2	94923.7	51094.7
5	B5	72823.93	20961.53	34291.28	-648.95	25132.28	131299.6	159980.9	177631.6	77102.5	134671.5	34142.4
	B6	77161.17	18986.76	35057.58	132.33	23517.08	134607.1	164598.3	177793.2	83724.9	133567.3	39499.0
	B7	76148.89	18907.71	35342.7	-210.36	23420.08	133079.2	163000.2	176199.4	82519.1	132391.1	38710.8
	B8	76306.31	17385.39	33547.26	732.06	26603.37	131168.4	160585.6	180685.4	74271.9	137529.3	31115.8
4	B5	74112.6	21124.59	34052.45	-264.89	38489	133332.1	161954.8	206159.6	52203.6	162691.5	8735.5
	B6	76960.27	18923.51	35131.78	56.71	34819.2	134237.3	164262.5	200074.5	60797.7	155933.8	16657.0
	B7	76534.3	18987.28	35114.52	-35.57	34552.96	133730.2	163455.8	198991.2	60779.3	155075.3	16863.5
	B8	74854.2	17190.11	33927.7	253.93	40768.05	128862.0	158487.9	207000.1	43927.9	164376.0	1303.8
3	B5	75032.4	21120.3	34458.86	-233.82	48137.77	134613.8	163670.7	226748.6	34197.5	182813.0	-9738.1
	B6	76787.35	18924.35	35055.98	50.65	42937.64	133996.4	163947.2	216070.9	44320.4	172015.8	265.3
	B7	76666.32	19026.5	35204.93	-47.78	42547.67	133969.9	163787.0	215225.4	45034.7	171218.9	1028.2
	B8	73957.02	17184.78	33498.47	237.33	50934.59	127598.5	156778.4	226054.4	22316.1	183896.8	-19841.6
2	B5	76221.56	21020.23	34895.94	-152.99	56590.88	136138.5	165152.4	245190.1	18652.8	200699.4	-25664.1
	B6	76563.86	18938.28	34982.4	31.86	49962.15	133703.0	163572.1	229829.9	29981.3	185876.2	-13972.4
	B7	76816.26	19039.72	35231.32	-27.75	49489.77	134198.4	164064.3	229330.8	31371.8	185249.9	-12709.2
	B8	72814.22	17299.72	33090.15	152.92	59730.82	126159.5	154857.9	242198.7	3275.4	200564.2	-38359.1
1	B5	79001.48	21196.77	36098.78	-79.37	62970.52	140277.6	171097.3	262072.5	10190.4	216119.5	-35762.6
	B6	76113.3	18928.88	34790	17.21	53358.05	133059.1	162708.3	235972.2	22540.0	192254.1	-21178.1
	B7	77590.49	19251.57	35555.91	-15.15	52486.28	135578.9	165694.6	236646.8	26701.7	192130.4	-17814.7
	B8	69758.33	17029.25	31762.65	79.57	67215.92	121502.6	148922.9	252570.0	-16293.7	212540.7	-56323.0

kombinasi :

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|--|--|
| 1. 1,4D                                  | 3B. 1,2D+1,2SDL+0,5LLatap+0,5LLlantai-2E |
| 2. 1,2D+1,2SDL+1,6LLatap+1,6LLlantai     | 4A. 0,9D+0,9SDL+2E                       |
| 3A. 1,2D+1,2SDL+0,5LLatap+0,5LLlantai+2E | 4B. 0,9D+0,9SDL-2E                       |

catatan : \* untuk desain ambil yang terbesar ( tanda mutlak)

\*\* untuk desain ambil yang terbesar ( tanda mutlak)

Tabel 4.6 Gaya geser terfaktor lapangan balok portal B

Lantai	Nama balok	V <sub>DL</sub> (N)	V <sub>SDL</sub> (N)	V <sub>L_lantai</sub> (N)	V <sub>L_atap</sub> (N)	V <sub>E</sub> (N)	Kombinasi					
							1	2	3A*	3B*	4A**	4B**
6	B5	-27297.46	-6431	-2853.16	-4718.01	10917.98	-47219.8	-51179.2	-21983.5	-65655.4	-8519.7	-52191.6
	B6	-33329.39	-10288.67	835.16	-7418.72	9633.32	-61065.3	-61529.2	-35946.1	-74479.4	-19989.6	-58522.9
	B7	-35810.73	-10182.35	-881.05	-7291.51	9552.91	-64390.3	-66530.0	-39629.1	-77840.7	-22288.0	-60499.6
	B8	-35937.16	-12363.53	2500.36	-8547.91	9893.44	-67621.0	-66463.2	-40830.9	-80404.7	-23683.7	-63257.5
5	B5	-36100.35	-7991.52	-15998.14	-756.58	26435.1	-61728.6	-76535.7	-7423.0	-113163.4	13187.5	-92552.9
	B6	-35822.49	-9768.77	-17709.24	198.9	23189.9	-63827.8	-79201.6	-8155.8	-108743.1	5347.7	-87411.9
	B7	-38820.91	-9413.57	-18515.95	-129.02	23310.42	-67528.3	-83850.1	-19375.8	-112617.4	3209.8	-90031.9
	B8	-34542.69	-11544.05	-17792.34	666.5	24888.02	-64521.4	-79362.5	-13046.3	-112598.4	8298.0	-91254.1
4	B5	-34578.15	-7796.36	-16385	-260.08	40533.51	-59324.3	-74333.6	22878.8	-139255.2	42930.0	-119204.1
	B6	-36183.47	-9851.42	-17499.25	33.1	34265.14	-64448.8	-79663.7	5656.6	-131404.0	27098.9	-109961.7
	B7	-38634.59	-9399.83	-18540.45	-83.06	34467.93	-67248.2	-83565.2	3193.3	-134678.4	25704.9	-112166.8
	B8	-35855.38	-11737.68	-17484.55	245.67	38126.5	-66630.3	-81337.1	11570.9	-140935.1	33419.2	-119086.8
3	B5	-33646.62	-7800.6	-15935.15	-244.85	50642.9	-58026.1	-72564.7	44415.4	-158156.2	63983.3	-138588.3
	B6	-36308.39	-9861.04	-17591.23	45.55	42209.62	-64637.2	-79939.2	21348.5	-147490.0	42866.8	-125971.7
	B7	-38384.67	-9359.29	-18456.35	-66	42488.98	-66841.5	-83084.8	19625.2	-150330.7	42008.4	-127947.5
	B8	-36697.61	-11716.72	-17874.89	222.62	47704.22	-67780.1	-82903.6	29559.2	-161257.6	51835.5	-138981.3
2	B5	-32461.14	-7920.8	-15509.8	-158.24	59385.94	-56534.7	-70313.4	63405.5	-174059.9	82428.1	-155115.6
	B6	-36450.55	-9846.99	-17622.09	26.53	49113.03	-64816.6	-80165.5	34978.9	-161473.2	56558.3	-139893.8
	B7	-38051.22	-9338.44	-18345.64	-42.44	49433.37	-66345.5	-82481.5	33994.8	-163738.7	56216.0	-141517.4
	B8	-37777.36	-11588.73	-18269.82	144.43	56113.66	-69112.5	-84713.5	45027.3	-179427.3	67797.8	-156656.8
1	B5	-29265.67	-7637.41	-14120.54	-8235	67077.43	-51664.3	-75849.7	80006.8	-188302.9	100942.1	-167367.6
	B6	-37153.42	-9981.67	-17926.43	14.66	52311.79	-65989.1	-81601.3	40236.7	-169010.4	62202.0	-147045.2
	B7	-37570.32	-9245.61	-18164.73	-22.7	52720.32	-65542.3	-81501.8	41348.2	-169533.1	63306.3	-147575.0
	B8	-40563.18	-11747.15	-19489.75	74.73	62352.48	-73234.5	-90074.6	53400.6	-196009.3	77625.7	-171784.3

kombinasi :

1. 1,4D

2. 1,2D+1,2SDL+1,6LLatap+1,6LLlantai

3A. 1,2D+1,2SDL+0.5LLatap+0.5LLlantai+2E

3B. 1,2D+1,2SDL+0.5LLatap+0.5LLlantai-2E

4A. 0,9D+0,9SDL+2E

4B. 0,9D+0,9SDL-2E

catatan : \* untuk desain ambil yang terbesar ( tanda mutlak)  
\*\* untuk desain ambil yang terbesar ( tanda mutlak)