

3. 고정하중에 대한 해석

3.1 받침 반력

구분	받침 번호	고정하중 (kN)	받침용량 (kN)	판정	수평용량 (kN)	전단 스프링계수 (kN/m)
A1	1	436.1	1600	O.K	-	-
	2	433.3	1600	O.K	-	-
	3	431.1	1600	O.K	-	-
	4	430.1	1600	O.K	310.0	-
	5	429.2	1600	O.K	-	-
	6	427.4	1600	O.K	-	-
	7	425.2	1600	O.K	-	-
	8	422.6	1600	O.K	-	-
P1 - L	1	436.9	1600	O.K	310.0	-
	2	433.9	1600	O.K	310.0	-
	3	432.0	1600	O.K	310.0	-
	4	430.0	1600	O.K	310.0	-
	5	428.2	1600	O.K	310.0	-
	6	427.0	1600	O.K	310.0	-
	7	425.1	1600	O.K	310.0	-
	8	421.9	1600	O.K	310.0	-
P1 - R	1	1807.9	4000	O.K	-	-
	2	1795.4	4000	O.K	2000.0	-
	3	1752.2	4000	O.K	-	-
P2	1	5039.8	8000	O.K	1400.0	-
	2	4921.8	8000	O.K	4000.0	-
	3	4749.2	8000	O.K	1400.0	-
P3	1	4904.1	8000	O.K	-	-
	2	4832.3	8000	O.K	3000.0	-
	3	4703.8	8000	O.K	-	-
P4 - L	1	1904.8	4000	O.K	-	-
	2	1755.6	4000	O.K	2000.0	-
	3	1588.4	4000	O.K	-	-
P4 - R	1	1284.9	3000	O.K	-	-
	2	1341.2	3000	O.K	1500.0	-
	3	1158.1	3000	O.K	-	-
	4	1177.8	3000	O.K	-	-

P5	1	3976.1	7000	O.K	1250.0	-
	2	3856.7	7000	O.K	4130.0	-
	3	3707.9	7000	O.K	1250.0	-
	4	2990.9	7000	O.K	1250.0	-
P6	1	3303.6	6000	O.K	-	-
	2	3252.4	6000	O.K	2150.0	-
	3	3102.6	6000	O.K	-	-
	4	2455.6	6000	O.K	-	-
P7	1	3975.8	6000	O.K	-	-
	2	3889.0	6000	O.K	2150.0	-
	3	3693.0	6000	O.K	-	-
	4	3049.2	6000	O.K	-	-
P8 - L	1	1468.5	3000	O.K	-	-
	2	1323.6	3000	O.K	1500.0	-
	3	1260.3	3000	O.K	-	-
	4	1000.2	3000	O.K	-	-
P8 - R	1	1485.5	3000	O.K	-	-
	2	1477.2	3000	O.K	1500.0	-
	3	1291.8	3000	O.K	-	-
P9	1	4467.2	7000	O.K	1250.0	-
	2	4181.2	7000	O.K	4130.0	-
	3	3191.8	7000	O.K	1250.0	-
P10	1	4340.1	7000	O.K	-	-
	2	4282.0	7000	O.K	3000.0	-
	3	3185.3	7000	O.K	-	-
A2	1	1677.8	3000	O.K	-	-
	2	1444.2	3000	O.K	1500.0	-
	3	1142.3	3000	O.K	-	-

3.2 교각(기둥당) 반력

교각(개소당)		고정하중(kN)		비고
		기둥상단	기둥하단	
P1	1	6154.91	7980.72	
P2	1	9013.98	10838.68	
P3	1	8826.51	10562.48	
P4	1	6560.62	8335.97	
P5	1	9669.83	11341.03	
P6	1	8176.04	9765.28	
P7	1	9354.27	10794.89	
P8	1	6729.86	7954.76	
P9	1	8161.81	9236.54	
P10	1	8085.34	8694.24	