

3. 고정하중에 대한 해석

3.1 받침 반력

구분	받침 번호	고정하중 (kN)	받침용량 (kN)	판정	수평용량 (kN)	전단 스프링계수 (kN/m)
A1	1	428.5	1600	O.K	-	-
	2	430.5	1600	O.K	-	-
	3	431.9	1600	O.K	-	-
	4	434.3	1600	O.K	310.0	-
	5	437.0	1600	O.K	-	-
	6	439.0	1600	O.K	-	-
P1 - L	1	429.7	1600	O.K	310.0	-
	2	432.0	1600	O.K	310.0	-
	3	433.9	1600	O.K	310.0	-
	4	434.1	1600	O.K	310.0	-
	5	434.5	1600	O.K	310.0	-
	6	437.0	1600	O.K	310.0	-
P1 - R	1	1485.7	3000	O.K	-	-
	2	1454.1	3000	O.K	1500.0	-
	3	1890.6	3000	O.K	-	-
P2	1	4161.7	7000	O.K	1250.0	-
	2	4452.4	7000	O.K	4130.0	-
	3	4944.0	7000	O.K	1250.0	-
P3	1	4090.3	7000	O.K	-	-
	2	4590.9	7000	O.K	3000.0	-
	3	5091.8	7000	O.K	-	-
P4 - L	1	1595.0	3000	O.K	-	-
	2	1663.2	3000	O.K	1500.0	-
	3	1684.4	3000	O.K	-	-
P4 - R	1	1456.2	4000	O.K	-	-
	2	1394.5	4000	O.K	980.0	-
	3	1835.1	4000	O.K	-	-

P5	1	4325.0	8000	O.K	1400.0	-
	2	4501.2	8000	O.K	4000.0	-
	3	4720.5	8000	O.K	1400.0	-
P6	1	3467.2	6000	O.K	-	-
	2	3813.2	6000	O.K	2150.0	-
	3	3952.9	6000	O.K	-	-
P7	1	3890.6	8000	O.K	-	-
	2	4726.2	8000	O.K	3000.0	-
	3	4954.1	8000	O.K	-	-
P8 - L	1	1539.4	3000	O.K	-	-
	2	1561.7	3000	O.K	1500.0	-
	3	1568.1	3000	O.K	-	-
P8 - R	1	1200.4	3000	O.K	-	-
	2	1217.8	3000	O.K	1500.0	-
	3	1249.1	3000	O.K	-	-
P9	1	3543.8	5500	O.K	1010.0	-
	2	3385.0	5500	O.K	3410.0	-
	3	3223.7	5500	O.K	1010.0	-
P10	1	3338.9	5500	O.K	-	-
	2	3386.0	5500	O.K	2950.0	-
	3	3432.7	5500	O.K	-	-
A2	1	1338.0	3000	O.K	-	-
	2	1212.7	3000	O.K	1500.0	-
	3	1108.2	3000	O.K	-	-

3.2 교각(기둥당) 반력

교각(개소당)		고정하중(kN)		비고
		기둥상단	기둥하단	
P1	1	7068.55	8931.74	
P2	1	8632.65	10495.95	
P3	1	8944.48	10719.05	
P4	1	6381.27	8172.70	
P5	1	8488.03	10184.63	
P6	1	7327.54	8935.96	
P7	1	8835.91	10289.28	
P8	1	5521.09	6757.85	
P9	1	6408.07	7500.43	
P10	1	6256.22	6882.76	