

■ 흥산1교 부산방향(P1) 하부 output

LOAD SET FOR ELEMENT OUTPUTS - Load Set 1

<< LOAD COMBI/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION TYPE	DESCRIPTION	FULL	NAME
-	-	-	-
No Abbreviation was made in this Load Set. All names are less than 8 char.s			
-	-	-	-

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Cases]

LOAD DESCRIPTION DETAIL TYPE	CASE	ANAL.TYPE STATIC LOAD CASE
D	Dead Load (D)	Static
L	Live Load (L)	Static
W-LO	User Defined Load (USER)	Static
W-TR	User Defined Load (USER)	Static
WL	User Defined Load (USER)	Static

BEAM ELEMENT FORCES & MOMENTS DEFAULT
PRINTOUT Unit System : kN , m

ELEM SHEAR-y MOMENT-z	MAT	SEC SHEAR-z	LC TORSION	PT	AXIAL MOMENT-y
1	1	1	D	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	222.0	0.0	-177.6	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
8.3	0.0	0.0	W-LO	I	2.2
-8.3	0.0	0.0	0.0	2.2	0.0
0.0	0.0	0.0	W-TR	I	-34.9
0.0	0.0	0.0	0.0	0.0	-34.9
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
2	1	2	D	I	0.0
0.0	4846.7	0.0	-177.6	0.0	0.0
0.0	5313.9	0.0	-12370.3	0.0	0.0
0.0	830.4	0.0	L	I	0.0
0.0	830.4	0.0	0.0	0.0	0.0

18.6	0.0	0.0	W-LO	I	7.5
-18.6	0.0	0.0	0.0	0.0	7.5
0.0	0.0	0.0	W-TR	I	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	WL	I	-41.2
0.0	0.0	0.0	249.9	0.0	-41.2
0.0	0.0	0.0	249.9	0.0	-41.2
3	1	3	D	I	0.0
0.0	5313.9	0.0	-12370.3	0.0	0.0
0.0	5516.0	0.0	-16355.7	0.0	0.0
0.0	830.4	0.0	L	I	0.0
0.0	830.4	0.0	-1993.1	0.0	0.0
0.0	830.4	0.0	-2604.3	0.0	0.0
7.1	0.0	0.0	W-LO	I	0.9
-7.1	0.0	0.0	0.0	0.0	0.9
0.0	0.0	0.0	W-TR	I	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	WL	I	-41.3
0.0	0.0	0.0	249.9	0.0	-41.3
0.0	0.0	0.0	249.9	0.0	-41.3
4	1	3	D	I	0.0
0.0	5516.0	0.0	-16355.7	0.0	0.0
0.0	5725.8	0.0	-20650.0	0.0	0.0
0.0	830.4	0.0	L	I	0.0
0.0	830.4	0.0	-2604.3	0.0	0.0
0.0	830.4	0.0	-3238.7	0.0	0.0
7.4	0.0	0.0	W-LO	I	0.9
-7.4	0.0	0.0	0.0	0.0	0.9
0.0	0.0	0.0	W-TR	I	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	1247.1	0.0	-398.2
0.0	0.0	0.0	WL	I	-41.3
0.0	0.0	0.0	249.9	0.0	-41.3
0.0	0.0	0.0	249.9	0.0	-41.3
5	1	3	D	I	0.0
0.0	-5521.3	0.0	-19852.7	0.0	0.0
0.0	-5311.5	0.0	-15714.5	0.0	0.0
0.0	-600.1	0.0	L	I	0.0
0.0	-600.1	0.0	-2340.5	0.0	0.0
0.0	-600.1	0.0	-1882.0	0.0	0.0
7.4	0.0	0.0	W-LO	I	0.9
-7.4	0.0	0.0	0.0	0.0	0.9
0.0	0.0	0.0	W-TR	I	363.3
0.0	0.0	0.0	-1247.1	0.0	363.3
0.0	0.0	0.0	-1247.1	0.0	363.3
0.0	0.0	0.0	WL	I	41.3
0.0	0.0	0.0	-249.9	0.0	41.3
0.0	0.0	0.0	-249.9	0.0	41.3
6	1	3	D	I	0.0
0.0	-5311.5	0.0	-15714.5	0.0	0.0
0.0	-5109.4	0.0	-11879.6	0.0	0.0
0.0	-600.1	0.0	L	I	0.0
0.0	-600.1	0.0	-1882.0	0.0	0.0
0.0	-600.1	0.0	-1440.3	0.0	0.0
7.1	0.0	0.0	W-LO	I	0.9
-7.1	0.0	0.0	0.0	0.0	0.9
0.0	0.0	0.0	W-TR	I	363.3
0.0	0.0	0.0	-1247.1	0.0	363.3

0.0	0.0	0.0	J	0.0	363.3
0.0	0.0	0.0	-1247.1	0.0	41.3
0.0	0.0	0.0	WL	I	41.3
0.0	0.0	0.0	-249.9	0.0	41.3
0.0	0.0	0.0	-249.9	0.0	41.3
7	1	2	D	I	0.0
0.0	-5109.4	0.0	-11879.6	0.0	0.0
0.0	-4642.2	0.0	-177.6	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	-600.1	0.0	-1440.3	0.0	0.0
0.0	-600.1	0.0	0.0	0.0	0.0
18.6	0.0	0.0	W-LO	I	7.5
-18.6	0.0	0.0	0.0	0.0	7.5
0.0	0.0	0.0	W-TR	I	363.3
0.0	0.0	0.0	-1247.1	0.0	363.3
0.0	0.0	0.0	-1247.1	0.0	363.3
0.0	0.0	0.0	WL	I	41.2
0.0	0.0	0.0	-249.9	0.0	41.2
0.0	0.0	0.0	-249.9	0.0	41.2
10	1	1	D	I	0.0
0.0	-222.0	0.0	-177.6	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-LO	I	2.2
8.3	0.0	0.0	0.0	2.2	0.0
-8.3	0.0	0.0	0.0	2.2	0.0
0.0	0.0	0.0	W-TR	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
11	1	4	D	I	-11247.1
0.0	0.0	0.0	-797.4	0.0	-12806.8
0.0	0.0	0.0	-797.4	0.0	-12806.8
0.0	0.0	0.0	L	I	-1430.6
0.0	0.0	0.0	-898.2	0.0	-1430.6
0.0	0.0	0.0	-898.2	0.0	-1430.6
20.2	0.0	0.0	W-LO	I	30.4
-20.2	0.0	0.0	0.0	30.4	0.0
0.0	-761.5	0.0	W-TR	I	0.0
0.0	-802.0	0.0	4017.2	0.0	0.0
0.0	-802.0	0.0	11052.6	0.0	0.0
0.0	-82.5	0.0	WL	I	0.0
0.0	-82.5	0.0	664.8	0.0	0.0
0.0	-82.5	0.0	1407.3	0.0	0.0

BEAM ELEMENT FORCES & MOMENTS MIN/MAX
SUMMARY BY PROPERTY PRINTOUT Unit System : kN , m

* LENGTH : the length of between two nodes

[SECTION NAME : 코핑1 , SECTION ID : 1 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2.021 B:2.8
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
-----	-----	-----	-----	-----
1 AXL	D	1	J	0.0
222.0	0.0	-177.6	0.0	1.60
1 SHY	W-LO	1	I	0.0
0.0	0.0	0.0	2.2	1.60
1 SHZ	D	1	J	0.0
222.0	0.0	-177.6	0.0	1.60
10 TOR	D	1	I	0.0
-222.0	0.0	-177.6	0.0	1.60
1 MTY	W-TR	1	I	-34.9
0.0	0.0	0.0	0.0	1.60
1 MTZ	W-LO	1	I	0.0
0.0	0.0	0.0	2.2	1.60

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
-----	-----	-----	-----	-----
1 AXL	W-TR	1	I	-34.9
0.0	0.0	0.0	0.0	1.60
1 SHY	W-LO	1	J	0.0
0.0	0.0	0.0	2.2	1.60
10 SHZ	D	1	I	0.0
-222.0	0.0	-177.6	0.0	1.60
10 TOR	D	1	I	0.0
-222.0	0.0	-177.6	0.0	1.60
1 MTY	D	1	J	0.0
222.0	0.0	-177.6	0.0	1.60
1 MTZ	W-TR	1	I	-34.9
0.0	0.0	0.0	0.0	1.60

[SECTION NAME : 코핑2 , SECTION ID : 2 , SECTION SHAPE : SB]

[SECTION SIZE] H:2.836 B:2.8

** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
-----	-----	-----	-----	-----
7 AXL	W-TR	1	I	363.3
0.0	0.0	-1247.1	0.0	2.40
2 SHY	W-LO	1	I	0.0
0.0	0.0	0.0	7.5	2.40
2 SHZ	D	1	J	0.0
5313.9	0.0	-12370.3	0.0	2.40
2 TOR	D	1	J	0.0
5313.9	0.0	-12370.3	0.0	2.40
2 MTY	W-TR	1	I	-398.2
0.0	0.0	1247.1	0.0	2.40
2 MTZ	W-LO	1	I	0.0
0.0	0.0	0.0	7.5	2.40

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
-----	-----	-----	-----	-----
2 AXL	W-TR	1	I	-398.2
0.0	0.0	1247.1	0.0	2.40
2 SHY	W-LO	1	J	0.0
0.0	0.0	0.0	7.5	2.40
7 SHZ	D	1	I	0.0
-5109.4	0.0	-11879.6	0.0	2.40
2 TOR	D	1	J	0.0
5313.9	0.0	-12370.3	0.0	2.40
2 MTY	D	1	J	0.0
5313.9	0.0	-12370.3	0.0	2.40
2 MTZ	W-TR	1	I	-398.2
0.0	0.0	1247.1	0.0	2.40

[SECTION NAME : 코핑3 , SECTION ID : 3 , SECTION SHAPE : SB]

[SECTION SIZE] H:4 B:2.8

** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
-----	-----	-----	-----	-----
6 AXL	W-TR	1	J	363.3
0.0	0.0	-1247.1	0.0	0.74
4 SHY	W-LO	1	I	0.0
0.0	0.0	0.0	0.9	0.76

4 SHZ	D	1	J	0.0	0.0
5725.8	0.0	-20650.0	0.0	0.76	
4 TOR	D	1	J	0.0	0.0
5725.8	0.0	-20650.0	0.0	0.76	
4 MTY	W-TR	1	I	-398.2	0.0
0.0	0.0	1247.1	0.0	0.76	
4 MTZ	W-LO	1	I	0.0	7.4
0.0	0.0	0.0	0.9	0.76	

** MIN

ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				
-----	-----	-----	-----	-----	
3 AXL	W-TR	1	I	-398.2	0.0
0.0	0.0	1247.1	0.0	0.74	
4 SHY	W-LO	1	J	0.0	-7.4
0.0	0.0	0.0	0.9	0.76	
5 SHZ	D	1	I	0.0	0.0
-5521.3	0.0	-19852.7	0.0	0.76	
4 TOR	D	1	J	0.0	0.0
5725.8	0.0	-20650.0	0.0	0.76	
4 MTY	D	1	J	0.0	0.0
5725.8	0.0	-20650.0	0.0	0.76	
4 MTZ	W-TR	1	I	-398.2	0.0
0.0	0.0	1247.1	0.0	0.76	

[SECTION NAME : 기둥 , SECTION ID : 4 , SECTION SHAPE : SR]

[SECTION SIZE] D:3

** MAX

ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				
-----	-----	-----	-----	-----	
11 AXL	W-TR	1	J	0.0	0.0
-802.0	0.0	11052.6	0.0	9.00	
11 SHY	W-LO	1	I	0.0	20.2
0.0	0.0	0.0	30.4	9.00	
11 SHZ	D	1	I	-11247.1	0.0
0.0	0.0	-797.4	0.0	9.00	
11 TOR	W-TR	1	J	0.0	0.0
-802.0	0.0	11052.6	0.0	9.00	
11 MTY	W-TR	1	J	0.0	0.0
-802.0	0.0	11052.6	0.0	9.00	
11 MTZ	W-LO	1	I	0.0	20.2
0.0	0.0	0.0	30.4	9.00	

** MIN

ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				
-----	-----	-----	-----	-----	
11 AXL	D	1	J	-12806.8	0.0
0.0	0.0	-797.4	0.0	9.00	
11 SHY	W-LO	1	J	0.0	-20.2
0.0	0.0	0.0	30.4	9.00	
11 SHZ	W-TR	1	J	0.0	0.0
-802.0	0.0	11052.6	0.0	9.00	
11 TOR	W-TR	1	J	0.0	0.0
-802.0	0.0	11052.6	0.0	9.00	
11 MTY	L	1	I	-1430.6	0.0
0.0	0.0	-898.2	0.0	9.00	
11 MTZ	D	1	J	-12806.8	0.0
0.0	0.0	-797.4	0.0	9.00	

BEAM ELEMENT STRESSES DEFAULT PRINTOUT
Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL
SHEAR-y				(+y)-BENDING-(-y)	
(+z)-BENDING-(-z)					
-----	-----	-----	-----	-----	-----
1	1	1	D	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	0.0
58.8	0.0	0.0	93.2	-93.2	
			L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	0.0
0.0	0.0	0.0	0.0	0.0	
			W-LO	I	0.0
2.2	0.0	-0.8	0.8	0.0	0.0

			J	0.0	-2.2
0.0	-0.8	0.8	0.0	0.0	
		W-TR	I		-6.2
0.0	0.0	0.0	0.0	0.0	0.0
			J	-6.2	0.0
0.0	0.0	0.0	0.0	0.0	
		WL	I	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	0.0
0.0	0.0	0.0	0.0	0.0	
2	1	2	D	I	0.0
0.0	915.5	0.0	0.0	47.3	-47.3
			J	0.0	0.0
1003.8	0.0	0.0	3295.8	-3295.8	
		L	I	0.0	0.0
156.9	0.0	0.0	0.0	0.0	0.0
			J	0.0	0.0
156.9	0.0	0.0	531.0	-531.0	
		W-LO	I	0.0	0.0
3.5	0.0	-2.0	2.0	0.0	0.0
			J	0.0	-3.5
0.0	-2.0	2.0	0.0	0.0	
		W-TR	I	-50.1	
0.0	0.0	0.0	0.0	-332.3	332.3
			J	-50.1	0.0
0.0	0.0	0.0	-332.3	332.3	
		WL	I	-5.2	
0.0	0.0	0.0	0.0	-66.6	66.6
			J	-5.2	0.0
0.0	0.0	0.0	-66.6	66.6	
			D	I	0.0
0.0	3	1	0.0	1656.7	-1656.7
			J	0.0	0.0
738.8	0.0	0.0	2190.5	-2190.5	
		L	I	0.0	0.0
111.2	0.0	0.0	266.9	-266.9	0.0
			J	0.0	0.0
111.2	0.0	0.0	348.8	-348.8	
		W-LO	I	0.0	0.0
1.0	0.0	-0.2	0.2	0.0	0.0
			J	0.0	-1.0
0.0	-0.2	0.2	0.0	0.0	
		W-TR	I	-35.6	
0.0	0.0	0.0	0.0	-167.0	167.0
			J	-35.6	0.0
0.0	0.0	0.0	-167.0	167.0	
		WL	I	-3.7	
0.0	0.0	0.0	0.0	-33.5	33.5
			J	-3.7	0.0
0.0	0.0	0.0	-33.5	33.5	
			D	I	0.0
0.0	4	1	0.0	2190.5	-2190.5
			J	0.0	0.0
766.8	0.0	0.0	2765.6	-2765.6	
		L	I	0.0	0.0
111.2	0.0	0.0	348.8	-348.8	0.0
			J	0.0	0.0
111.2	0.0	0.0	433.8	-433.8	
		W-LO	I	0.0	0.0
1.0	0.0	-0.2	0.2	0.0	0.0
			J	0.0	-1.0
0.0	-0.2	0.2	0.0	0.0	
		W-TR	I	-35.6	
0.0	0.0	0.0	0.0	-167.0	167.0
			J	-35.6	0.0
0.0	0.0	0.0	-167.0	167.0	
		WL	I	-3.7	
0.0	0.0	0.0	0.0	-33.5	33.5
			J	-3.7	0.0
0.0	0.0	0.0	-33.5	33.5	
			D	I	0.0
0.0	5	1	0.0	2658.8	-2658.8
			J	0.0	0.0
-711.4	0.0	0.0	2104.6	-2104.6	
		L	I	0.0	0.0
-80.4	0.0	0.0	313.5	-313.5	0.0
			J	0.0	0.0
-80.4	0.0	0.0	252.1	-252.1	
		W-LO	I	0.0	0.0
1.0	0.0	-0.2	0.2	0.0	0.0
			J	0.0	-1.0
0.0	-0.2	0.2	0.0	0.0	
		W-TR	I	32.4	
0.0	0.0	0.0	0.0	167.0	-167.0
			J	32.4	0.0
0.0	0.0	0.0	167.0	-167.0	

			WL	I	3.7	0.0
0.0	0.0	0.0	33.5	J	-33.5	0.0
0.0	0.0	0.0	33.5	J	3.7	0.0
0.0	0.0	0.0	33.5	J	-33.5	0.0
6	1	3	D	I	0.0	0.0
0.0	-711.4	0.0	0.0	2104.6	-2104.6	0.0
			J	0.0	0.0	0.0
-684.3	0.0	0.0	1591.0	I	-1591.0	0.0
			L	I	0.0	0.0
-80.4	0.0	0.0	252.1	J	-252.1	0.0
-80.4	0.0	0.0	192.9	J	0.0	0.0
			W-LO	I	0.0	0.0
1.0	0.0	-0.2	0.2	0.0	0.0	0.0
			J	0.0	0.0	-1.0
0.0	0.0	0.0	W-TR	I	32.4	0.0
			0.0	167.0	-167.0	0.0
0.0	0.0	0.0	J	32.4	0.0	0.0
			167.0	-167.0	0.0	0.0
			WL	I	3.7	0.0
0.0	0.0	0.0	33.5	J	-33.5	0.0
0.0	0.0	0.0	33.5	J	3.7	0.0
0.0	0.0	0.0	33.5	J	-33.5	0.0
7	1	2	D	I	0.0	0.0
0.0	-965.2	0.0	0.0	3165.1	-3165.1	0.0
			J	0.0	0.0	0.0
-876.9	0.0	0.0	47.3	I	-47.3	0.0
			L	I	0.0	0.0
-113.4	0.0	0.0	383.7	J	-383.7	0.0
-113.4	0.0	0.0	0.0	J	0.0	0.0
			W-LO	I	0.0	0.0
3.5	0.0	-2.0	2.0	0.0	0.0	0.0
			J	0.0	0.0	-3.5
0.0	-2.0	2.0	0.0	0.0	0.0	0.0
			W-TR	I	45.7	0.0
0.0	0.0	0.0	0.0	332.3	-332.3	0.0
			J	45.7	0.0	0.0
0.0	0.0	0.0	332.3	I	-332.3	0.0
			WL	I	5.2	0.0
0.0	0.0	0.0	66.6	J	-66.6	0.0
0.0	0.0	0.0	66.6	J	5.2	0.0
0.0	0.0	0.0	66.6	J	-66.6	0.0
10	1	1	D	I	0.0	0.0
0.0	-58.8	0.0	0.0	93.2	-93.2	0.0
			J	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
			L	I	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
			W-LO	I	0.0	0.0
2.2	0.0	-0.8	0.8	0.0	0.0	0.0
			J	0.0	0.0	-2.2
0.0	-0.8	0.8	0.0	0.0	0.0	0.0
			W-TR	I	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
			WL	I	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
			L	I	0.0	0.0
0.0	0.0	0.0	338.9	J	-202.4	0.0
0.0	0.0	0.0	338.9	J	-338.9	0.0
			W-LO	I	0.0	0.0
3.8	0.0	-11.5	11.5	0.0	0.0	0.0
			J	0.0	0.0	-3.8
0.0	-11.5	11.5	0.0	0.0	0.0	0.0
			W-TR	I	0.0	0.0
0.0	-143.6	0.0	0.0	-1515.5	1515.5	0.0
			J	0.0	0.0	0.0
-151.3	0.0	0.0	-4169.6	I	4169.6	0.0
			WL	I	0.0	0.0
-15.6	0.0	0.0	-250.8	J	250.8	0.0
-15.6	0.0	0.0	-530.9	J	0.0	0.0

BEAM ELEMENT STRESSES MIN/MAX SUMMARY BY
PROPERTY PRINTOUT Unit System : kN , m

[SECTION NAME : 코핑1 , SECTION ID : 1 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2.021 B:2.8

** MAX					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
1 AXL	D	1 J	0.0	0.0	
58.8	0.0	93.2	-93.2		
1 SHY	W-LO	1 I	0.0	2.2	
0.0	-0.8	0.8	0.0	0.0	
1 SHZ	D	1 J	0.0	0.0	
58.8	0.0	93.2	-93.2		
1 BY+	D	1 I	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	
1 BY-	W-LO	1 I	0.0	2.2	
0.0	-0.8	0.8	0.0	0.0	
1 BZ+	D	1 J	0.0	0.0	
58.8	0.0	93.2	-93.2		
1 BZ-	D	1 I	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	

** MIN					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
1 AXL	W-TR	1 I	-6.2	0.0	
0.0	0.0	0.0	0.0	0.0	
1 SHY	W-LO	1 J	0.0	-2.2	
0.0	-0.8	0.8	0.0	0.0	
10 SHZ	D	1 I	0.0	0.0	
-58.8	0.0	93.2	-93.2		
1 BY+	W-LO	1 I	0.0	2.2	
0.0	-0.8	0.8	0.0	0.0	
1 BY-	W-TR	1 I	-6.2	0.0	
0.0	0.0	0.0	0.0	0.0	
1 BZ+	W-TR	1 I	-6.2	0.0	
0.0	0.0	0.0	0.0	0.0	
1 BZ-	D	1 J	0.0	0.0	
58.8	0.0	93.2	-93.2		

[SECTION NAME : 코핑2 , SECTION ID : 2 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2.836 B:2.8

** MAX					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
7 AXL	W-TR	1 I	45.7	0.0	
0.0	0.0	332.3	-332.3		
2 SHY	W-LO	1 I	0.0	3.5	
0.0	-2.0	2.0	0.0	0.0	
2 SHZ	D	1 J	0.0	0.0	
1003.8	0.0	3295.8	-3295.8		
7 BY+	W-TR	1 I	45.7	0.0	
0.0	0.0	332.3	-332.3		
2 BY-	W-LO	1 I	0.0	3.5	
0.0	-2.0	2.0	0.0	0.0	
2 BZ+	D	1 J	0.0	0.0	
1003.8	0.0	3295.8	-3295.8		
2 BZ-	W-TR	1 I	-50.1	0.0	
0.0	0.0	-332.3	332.3		

** MIN					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
2 AXL	W-TR	1 I	-50.1	0.0	
0.0	0.0	-332.3	332.3		
2 SHY	W-LO	1 J	0.0	-3.5	
0.0	-2.0	2.0	0.0	0.0	
7 SHZ	D	1 I	0.0	0.0	
-965.2	0.0	3165.1	-3165.1		
2 BY+	W-LO	1 I	0.0	3.5	
0.0	-2.0	2.0	0.0	0.0	
2 BY-	W-TR	1 I	-50.1	0.0	
0.0	0.0	-332.3	332.3		

2 BZ+	W-TR	1 I	-50.1	0.0
0.0	0.0	0.0	-332.3	332.3
2 BZ-	D	1 J	0.0	0.0
1003.8	0.0	0.0	3295.8	-3295.8

[SECTION NAME : 코핑3 , SECTION ID : 3 , SECTION
SHAPE : SB]
[SECTION SIZE] H:4 B:2.8

** MAX					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
6 AXL	W-TR	1 J	32.4	0.0	
0.0	0.0	167.0	-167.0		
4 SHY	W-LO	1 I	0.0	1.0	
0.0	-0.2	0.2	0.0	0.0	
4 SHZ	D	1 J	0.0	0.0	
766.8	0.0	2765.6	-2765.6		
6 BY+	W-TR	1 I	32.4	0.0	
0.0	0.0	167.0	-167.0		
4 BY-	W-LO	1 I	0.0	1.0	
0.0	-0.2	0.2	0.0	0.0	
4 BZ+	D	1 J	0.0	0.0	
766.8	0.0	2765.6	-2765.6		
3 BZ-	W-TR	1 I	-35.6	0.0	
0.0	0.0	-167.0	167.0		

** MIN					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
3 AXL	W-TR	1 I	-35.6	0.0	
0.0	0.0	-167.0	167.0		
4 SHY	W-LO	1 J	0.0	-1.0	
0.0	-0.2	0.2	0.0	0.0	
5 SHZ	D	1 I	0.0	0.0	
-739.5	0.0	2658.8	-2658.8		
4 BY+	W-LO	1 I	0.0	1.0	
0.0	-0.2	0.2	0.0	0.0	
4 BY-	W-TR	1 I	-35.6	0.0	
0.0	0.0	-167.0	167.0		
4 BZ+	W-TR	1 I	-35.6	0.0	
0.0	0.0	-167.0	167.0		
4 BZ-	D	1 J	0.0	0.0	
766.8	0.0	2765.6	-2765.6		

[SECTION NAME : 기둥 , SECTION ID : 4 , SECTION
SHAPE : SR]
[SECTION SIZE] D:3

** MAX					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
11 AXL	W-TR	1 J	0.0	0.0	
-151.3	0.0	0.0	-4169.6	4169.6	
11 SHY	W-LO	1 I	0.0	3.8	
0.0	-11.5	11.5	0.0	0.0	
11 SHZ	D	1 I	-1591.1	0.0	
0.0	0.0	300.8	-300.8		
11 BY+	W-TR	1 I	0.0	0.0	
-143.6	0.0	0.0	-1515.5	1515.5	
11 BY-	W-LO	1 I	0.0	3.8	
0.0	-11.5	11.5	0.0	0.0	
11 BZ+	L	1 I	-202.4	0.0	
0.0	0.0	338.9	-338.9		
11 BZ-	W-TR	1 J	0.0	0.0	
-151.3	0.0	0.0	-4169.6	4169.6	

** MIN					
ELEM COM	LC	PT	AXIAL	SHEAR-y	
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
11 AXL	D	1 J	-1811.8	0.0	
0.0	0.0	300.8	-300.8		
11 SHY	W-LO	1 J	0.0	-3.8	
0.0	-11.5	11.5	0.0	0.0	
11 SHZ	W-TR	1 J	0.0	0.0	
-151.3	0.0	0.0	-4169.6	4169.6	
11 BY+	W-LO	1 I	0.0	3.8	
0.0	-11.5	11.5	0.0	0.0	
11 BY-	D	1 J	-1811.8	0.0	
0.0	0.0	300.8	-300.8		
11 BZ+	W-TR	1 J	0.0	0.0	
-151.3	0.0	0.0	-4169.6	4169.6	
11 BZ-	L	1 I	-202.4	0.0	
0.0	0.0	338.9	-338.9		