

■ 송읍교 부산방향(P2) 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	User Defined Load (USER)	Static
L	User Defined Load (USER)	Static
W-TR	User Defined Load (USER)	Static
WL	User Defined Load (USER)	Static
W-LO	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	126.3	0.0	-113.7	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-TR	I	-16.8
0.0	0.0	0.0	0.0	0.0	-16.8
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	W-LO	I	0.0
-12.0	0.0	0.0	0.0	10.8	0.0
2	1	2	D	I	0.0
0.0	126.3	0.0	-113.7	0.0	0.0
0.0	138.6	0.0	-126.9	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-TR	I	-16.8
0.0	0.0	0.0	0.0	J	-16.8
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-LO	I	0.0
-12.0	0.0	0.0	0.0	J	10.8
-16.3	0.0	0.0	0.0	0.0	12.2
3	1	2	D	I	0.0
0.0	4986.6	0.0	-126.9	J	0.0
0.0	5109.1	0.0	-5174.8	0.0	0.0
0.0	894.7	0.0	L	I	0.0
0.0	894.7	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	-269.2
0.0	0.0	0.0	749.0	J	-269.2
0.0	0.0	0.0	749.0	0.0	0.0
0.0	0.0	0.0	WL	I	-28.7
0.0	0.0	0.0	160.9	J	-28.7
0.0	0.0	0.0	160.9	0.0	0.0
-16.3	0.0	0.0	W-LO	I	12.2
-59.2	0.0	0.0	0.0	J	50.0
4	1	2	D	I	161.5
0.0	-383.3	0.0	-3369.2	J	161.5
0.0	-248.5	0.0	-3021.7	0.0	0.0
0.0	-29.1	0.0	L	I	27.0
0.0	-29.1	0.0	-576.9	J	27.0
0.0	-29.1	0.0	-545.0	0.0	0.0
0.0	982.5	0.0	W-TR	I	-13.9
0.0	982.5	0.0	2835.4	J	-13.9
0.0	982.5	0.0	1754.6	0.0	0.0
0.0	129.6	0.0	WL	I	0.0
0.0	129.6	0.0	375.8	J	0.0
0.0	129.6	0.0	233.3	0.0	0.0
124.5	0.0	0.0	W-LO	I	54.6
77.3	0.0	0.0	-0.0	J	-56.4
5	1	2	D	I	161.5
0.0	-248.5	0.0	-3021.7	J	161.5
0.0	-113.6	0.0	-2822.5	0.0	0.0
0.0	-29.1	0.0	L	I	27.0
0.0	-29.1	0.0	-545.0	J	27.0
0.0	-29.1	0.0	-513.0	0.0	0.0
0.0	982.5	0.0	W-TR	I	-13.9
0.0	982.5	0.0	1754.6	J	-13.9
0.0	982.5	0.0	673.8	0.0	0.0
0.0	129.6	0.0	WL	I	0.0
0.0	129.6	0.0	233.3	J	0.0
0.0	129.6	0.0	90.7	0.0	0.0
77.3	0.0	0.0	W-LO	I	-56.4
30.1	0.0	0.0	-0.0	J	-115.5
6	1	2	D	I	161.5
0.0	-113.6	0.0	-2822.5	J	161.5
0.0	70.2	0.0	-2790.0	0.0	0.0
0.0	-29.1	0.0	L	I	27.0
0.0	-29.1	0.0	-513.0	J	27.0
0.0	-29.1	0.0	-469.5	0.0	0.0
0.0	982.5	0.0	W-TR	I	-13.9
0.0	982.5	0.0	673.8	J	-13.9
0.0	982.5	0.0	-800.0	0.0	0.0
0.0	129.6	0.0	WL	I	0.0
0.0	129.6	0.0	90.7	J	0.0

0.0	129.6	0.0	J	0.0	0.0
30.1	0.0	0.0	W-LO	I	0.0
-34.4	0.0	-0.0	0.0	J	-115.5
7	1	2	D	I	161.5
0.0	70.2	0.0	-2790.0	J	161.5
0.0	192.8	0.0	-2921.5	0.0	0.0
0.0	-29.1	0.0	L	I	27.0
0.0	-29.1	0.0	-469.5	J	27.0
0.0	-29.1	0.0	-440.4	0.0	0.0
0.0	982.5	0.0	W-TR	I	-13.9
0.0	982.5	0.0	-800.0	J	-13.9
0.0	982.5	0.0	-1782.5	0.0	0.0
0.0	129.6	0.0	WL	I	0.0
0.0	129.6	0.0	-103.7	J	0.0
0.0	129.6	0.0	-233.3	0.0	0.0
-34.4	0.0	0.0	W-LO	I	-112.2
-77.3	0.0	-0.0	0.0	J	-56.4
8	1	2	D	I	161.5
0.0	192.8	0.0	-2921.5	J	161.5
0.0	327.7	0.0	-3207.8	0.0	0.0
0.0	-29.1	0.0	L	I	27.0
0.0	-29.1	0.0	-440.4	J	27.0
0.0	-29.1	0.0	-408.4	0.0	0.0
0.0	982.5	0.0	W-TR	I	-13.9
0.0	982.5	0.0	-1782.5	J	-13.9
0.0	982.5	0.0	-2863.2	0.0	0.0
0.0	129.6	0.0	WL	I	0.0
0.0	129.6	0.0	-233.3	J	0.0
0.0	129.6	0.0	-375.8	0.0	0.0
-77.3	0.0	0.0	W-LO	I	-56.4
-124.5	0.0	-0.0	0.0	J	54.6
9	1	2	D	I	0.0
0.0	-4912.1	0.0	-4977.8	J	0.0
0.0	-4789.5	0.0	-126.9	0.0	0.0
0.0	-688.9	0.0	L	I	0.0
0.0	-688.9	0.0	-688.9	J	0.0
0.0	-688.9	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-TR	I	252.4
0.0	0.0	0.0	-749.0	J	252.4
0.0	0.0	0.0	-749.0	0.0	0.0
0.0	0.0	0.0	WL	I	28.8
0.0	0.0	0.0	-160.9	J	28.8
0.0	0.0	0.0	-160.9	0.0	0.0
59.2	0.0	0.0	W-LO	I	50.0
16.3	0.0	-0.0	0.0	J	12.2
10	1	2	D	I	0.0
0.0	-138.6	0.0	-126.9	J	0.0
0.0	-126.3	0.0	-113.7	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	J	0.0
16.3	0.0	0.0	W-LO	I	12.2
12.0	0.0	0.0	0.0	J	10.8

11	1	1	D	I	0.0
0.0	-126.3	0.0	-113.7	0.0	0.0
			J		
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	L	I	0.0
			J		
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-TR	I	0.0
			J		
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	WL	I	0.0
			J		
0.0	0.0	0.0	0.0	0.0	0.0
12.0	0.0	0.0	W-LO	I	0.0
			J		
0.0	0.0	0.0	0.0	0.0	0.0
12	1	3	D	I	-5492.4
0.0	-161.5	0.0	-1644.1	0.0	-6928.1
			J		
0.0	-161.5	0.0	843.5	0.0	
0.0	-27.0	0.0	L	I	-923.8
			J		
0.0	-27.0	0.0	125.5	0.0	-923.8
0.0	-255.3	0.0	W-TR	I	982.5
			J		
0.0	-306.1	0.0	-1831.1	0.0	982.5
			J		
0.0	-28.7	0.0	WL	I	129.6
			J		
0.0	-28.7	0.0	-186.2	0.0	129.6
			J		
			256.7	0.0	
-183.8	0.0	0.0	W-LO	I	0.0
			J		
-234.6	0.0	0.0	4.6	0.0	3406.3
13	1	3	D	I	-5239.8
0.0	161.5	0.0	1608.4	0.0	-6675.5
			J		
0.0	161.5	0.0	-879.2	0.0	
0.0	27.0	0.0	L	I	-659.9
			J		
0.0	27.0	0.0	253.5	0.0	-659.9
			J		
			-162.7	0.0	
0.0	-266.4	0.0	W-TR	I	-982.5
			J		
0.0	-291.8	0.0	-1847.9	0.0	-982.5
			J		
			2451.5	0.0	
0.0	-28.7	0.0	WL	I	-129.6
			J		
0.0	-28.7	0.0	-186.2	0.0	-129.6
			J		
			256.7	0.0	
-183.8	0.0	0.0	W-LO	I	0.0
			J		
-234.6	0.0	0.0	-4.6	0.0	3406.3

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:1.145 B:2.5
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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1	AXL	D	1	J	0.0	0.0
126.3	0.0	-113.7	1	I	0.0	1.80
11 SHY	W-LO	1	I	0.0	0.0	12.0
0.0	0.0	0.0	10.8	1.80		
1 SHZ	D	1	J	0.0	0.0	0.0
126.3	0.0	-113.7	1	I	0.0	1.80
1 TOR	D	1	J	0.0	0.0	0.0
126.3	0.0	-113.7	1	I	0.0	1.80
1 MTY	W-TR	1	I	-16.8	0.0	0.0
0.0	0.0	0.0	1	J	0.0	1.80
1 MTZ	W-LO	1	J	0.0	0.0	-12.0
0.0	0.0	0.0	10.8	1.80		

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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1	AXL	W-TR	1	I	-16.8	0.0
0.0	0.0	0.0	1	I	0.0	1.80
1 SHY	W-LO	1	J	0.0	0.0	-12.0
0.0	0.0	0.0	10.8	1.80		
11 SHZ	D	1	I	0.0	0.0	0.0
-126.3	0.0	-113.7	1	I	0.0	1.80
1 TOR	D	1	J	0.0	0.0	0.0
126.3	0.0	-113.7	1	J	0.0	1.80
1 MTY	D	1	J	0.0	0.0	0.0
126.3	0.0	-113.7	1	I	0.0	1.80
1 MTZ	W-TR	1	I	-16.8	0.0	0.0
0.0	0.0	0.0	0.0	1.80		

[SECTION NAME : 코핑2 , SECTION ID : 2 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2 B:2.5
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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9	AXL	W-TR	1	I	252.4	0.0
0.0	0.0	-749.0	1	I	0.0	1.00
4 SHY	W-LO	1	I	0.0	0.0	124.5
0.0	-0.0	0.0	54.6	1.10		
3 SHZ	D	1	J	0.0	0.0	0.0
5109.1	0.0	-5174.8	1	J	0.0	1.00
3 TOR	D	1	J	0.0	0.0	0.0
5109.1	0.0	-5174.8	1	I	0.0	1.00
4 MTY	W-TR	1	I	-13.9	0.0	0.0
982.5	0.0	2835.4	1	I	0.0	1.10
4 MTZ	W-LO	1	I	0.0	0.0	124.5
0.0	-0.0	0.0	54.6	1.10		

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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3	AXL	W-TR	1	J	-269.2	0.0
0.0	0.0	749.0	1	J	0.0	1.00
8 SHY	W-LO	1	J	0.0	0.0	-124.5
0.0	-0.0	0.0	54.6	1.10		
9 SHZ	D	1	I	0.0	0.0	0.0
-4912.1	0.0	-4977.8	1	I	0.0	1.00
3 TOR	D	1	J	0.0	0.0	0.0
5109.1	0.0	-5174.8	1	J	0.0	1.00
3 MTY	D	1	J	0.0	0.0	0.0
5109.1	0.0	-5174.8	1	J	0.0	1.00
5 MTZ	W-LO	1	J	0.0	0.0	30.1
0.0	-0.0	0.0	-115.5	1.10		

[SECTION NAME : 기둥 , SECTION ID : 3 , SECTION
SHAPE : SR]
[SECTION SIZE] D:2.2
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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12	AXL	W-TR	1	J	982.5	0.0
-306.1	0.0	2492.8	1	I	0.0	15.41
12 SHY	D	1	I	-5492.4	0.0	0.0
-161.5	0.0	-1644.1	1	I	0.0	15.41
13 SHZ	D	1	I	-5239.8	0.0	0.0
161.5	0.0	1608.4	1	J	0.0	15.41
12 TOR	W-LO	1	J	0.0	-234.6	0.0
0.0	4.6	0.0	3406.3	15.41		
12 MTY	W-TR	1	J	982.5	0.0	0.0
-306.1	0.0	2492.8	1	J	0.0	15.41
12 MTZ	W-LO	1	J	0.0	-234.6	0.0

0.0 4.6 0.0 3406.3 15.41

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			
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12	AXL	D	1	J	-6928.1	0.0
-161.5	0.0	843.5	1	J	0.0	15.41
12 SHY	W-LO	1	J	0.0	0.0	-234.6
0.0	4.6	0.0	3406.3	15.41		
12 SHZ	W-TR	1	J	982.5	0.0	0.0
-306.1	0.0	2492.8	1	J	0.0	15.41
13 TOR	W-LO	1	J	0.0	0.0	-234.6
0.0	-4.6	0.0	3406.3	15.41		
13 MTY	W-TR	1	I	-982.5	0.0	0.0
-266.4	0.0	-1847.9	1	J	0.0	15.41
12 MTZ	D	1	J	-6928.1	0.0	0.0
-161.5	0.0	843.5	0.0	0.0	15.41	

BEAM ELEMENT STRESSES DEFAULT PRINTOUT
Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL
SHEAR-y		SHEAR-z		(+y)-BENDING-(-y)	
(+z)-BENDING-(-z)					
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0.0	1	0.0	1	0.0	D	0.0	I	0.0
					J	0.0	0.0	0.0
66.2	0.0	0.0	0.0	208.1	-208.1			

0.0	0.0	0.0	L	I	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	0.0			

0.0	0.0	0.0	W-TR	I	0.0	0.0	-5.9	0.0
			J	-5.9	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
			J	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	0.0	0.0
			J	0.0	0.0	0.0	-6.3	
0.0	-9.1	9.1	0.0	0.0	0.0			

2	1	2	D	I	0.0	0.0	-68.2	0.0
0.0	37.9	0.0	0.0	68.2	0.0	-76.2		
41.6	0.0	0.0	76.2	-76.2				

0.0	0.0	0.0	L	I	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	0.0			

0.0	0.0	0.0	W-TR	I	0.0	0.0	-3.4	0.0
			J	-3.4	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
			J	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0			

-3.6	0.0	-5.2	5.2	I	0.0	0.0	0.0	-4.9
			J	0.0	0.0			
0.0	-5.9	5.9	0.0	0.0	0.0			

3	1	2	D	I	0.0	0.0	-76.2	0.0
0.0	1496.0	0.0	0.0	76.2	0.0	-3104.9		
1532.7	0.0	0.0	3104.9	-3104.9				

268.4	0.0	0.0	L	I	0.0	0.0	0.0	0.0
			J	0.0	0.0	0.0	0.0	0.0
268.4	0.0	0.0	536.8	-536.8				

			W-TR	I	-53.8
0.0	0.0	0.0	0.0	-449.4	449.4
			J	-53.8	0.0
0.0	0.0	0.0	-449.4	449.4	

			J	-5.7	0.0
0.0	0.0	0.0	-96.5	96.5	
		W-LO	I		0.0
-4.9	0.0	-5.9	5.9	0.0	0.0
		J	0.0		-17.8
0.0	-24.0	24.0	0.0	0.0	
4	1	2	D	I	32.3
0.0	-115.0	0.0	0.0	2021.5	-2021.5
		J	32.3		0.0
-74.5	0.0	0.0	1813.0	-1813.0	
		L	I	5.4	0.0
-8.7	0.0	0.0	346.2	-346.2	
		J	5.4		0.0
-8.7	0.0	0.0	327.0	-327.0	
		W-TR	I		-2.8
0.0	294.8	0.0	0.0	-1701.2	1701.2
		J	-2.8		0.0
294.8	0.0	0.0	-1052.8	1052.8	
		WL	I	0.0	0.0
38.9	0.0	0.0	-225.5	225.5	
		J	0.0		0.0
38.9	0.0	0.0	-140.0	140.0	
		W-LO	I		0.0
37.4	0.0	-26.2	26.2	0.0	0.0
		J	0.0		23.2
0.0	27.1	-27.1	0.0	0.0	
5	1	2	D	I	32.3
0.0	-74.5	0.0	0.0	1813.0	-1813.0
		J	32.3		0.0
-34.1	0.0	0.0	1693.5	-1693.5	
		L	I	5.4	0.0
-8.7	0.0	0.0	327.0	-327.0	
		J	5.4		0.0
-8.7	0.0	0.0	307.8	-307.8	
		W-TR	I		-2.8
0.0	294.8	0.0	0.0	-1052.8	1052.8
		J	-2.8		0.0
294.8	0.0	0.0	-404.3	404.3	
		WL	I	0.0	0.0
38.9	0.0	0.0	-140.0	140.0	
		J	0.0		0.0
38.9	0.0	0.0	-54.4	54.4	
		W-LO	I		0.0
23.2	0.0	27.1	-27.1	0.0	0.0
		J	0.0		9.0
0.0	55.4	-55.4	0.0	0.0	
6	1	2	D	I	32.3
0.0	-34.1	0.0	0.0	1693.5	-1693.5
		J	32.3		0.0
21.1	0.0	0.0	1674.0	-1674.0	
		L	I	5.4	0.0
-8.7	0.0	0.0	307.8	-307.8	
		J	5.4		0.0
-8.7	0.0	0.0	281.7	-281.7	
		W-TR	I		-2.8
0.0	294.8	0.0	0.0	-404.3	404.3
		J	-2.8		0.0
294.8	0.0	0.0	480.0	-480.0	
		WL	I	0.0	0.0
38.9	0.0	0.0	-54.4	54.4	
		J	0.0		0.0
38.9	0.0	0.0	62.2	-62.2	
		W-LO	I		0.0
9.0	0.0	55.4	-55.4	0.0	0.0
		J	0.0		-10.3
0.0	53.9	-53.9	0.0	0.0	
7	1	2	D	I	32.3
0.0	21.1	0.0	0.0	1674.0	-1674.0
		J	32.3		0.0
57.8	0.0	0.0	1752.9	-1752.9	
		L	I	5.4	0.0
-8.7	0.0	0.0	281.7	-281.7	
		J	5.4		0.0
-8.7	0.0	0.0	264.2	-264.2	
		W-TR	I		-2.8
0.0	294.8	0.0	0.0	480.0	-480.0
		J	-2.8		0.0
294.8	0.0	0.0	1069.5	-1069.5	
		WL	I	0.0	0.0
38.9	0.0	0.0	62.2	-62.2	
		J	0.0		0.0
38.9	0.0	0.0	140.0	-140.0	
		W-LO	I		0.0
-10.3	0.0	53.9	-53.9	0.0	0.0
		J	0.0		-23.2
0.0	27.1	-27.1	0.0	0.0	

8	1	2	D	I	32.3
0.0	57.8	0.0	0.0	1752.9	-1752.9
		J	32.3		0.0
98.3	0.0	0.0	1924.7	-1924.7	
		L	I	5.4	0.0
-8.7	0.0	0.0	264.2	-264.2	
		J	5.4		0.0
-8.7	0.0	0.0	245.1	-245.1	
		W-TR	I		-2.8
0.0	294.8	0.0	0.0	1069.5	-1069.5
		J	-2.8		0.0
294.8	0.0	0.0	1717.9	-1717.9	
		WL	I	0.0	0.0
38.9	0.0	0.0	140.0	-140.0	
		J	0.0		0.0
38.9	0.0	0.0	225.5	-225.5	
		W-LO	I		0.0
-23.2	0.0	27.1	-27.1	0.0	0.0
		J	0.0		-37.4
0.0	-26.2	26.2	0.0	0.0	
9	1	2	D	I	0.0
0.0	-1473.6	0.0	0.0	2986.7	-2986.7
		J	0.0		0.0
-1436.9	0.0	0.0	76.2	-76.2	
		L	I	0.0	0.0
-206.7	0.0	0.0	413.4	-413.4	
		J	0.0		0.0
-206.7	0.0	0.0	0.0	0.0	
		W-TR	I		50.5
0.0	0.0	0.0	0.0	449.4	-449.4
		J	50.5		0.0
0.0	0.0	0.0	449.4	-449.4	
		WL	I	5.8	0.0
0.0	0.0	0.0	96.5	-96.5	
		J	5.8		0.0
0.0	0.0	0.0	96.5	-96.5	
		W-LO	I		0.0
17.8	0.0	-24.0	24.0	0.0	0.0
		J	0.0		4.9
0.0	-5.9	5.9	0.0	0.0	
10	1	2	D	I	0.0
0.0	-41.6	0.0	0.0	76.2	-76.2
		J	0.0		0.0
-37.9	0.0	0.0	68.2	-68.2	
		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-TR	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	
		WL	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
4.9	0.0	-5.9	5.9	0.0	0.0
		J	0.0		3.6
0.0	-5.2	5.2	0.0	0.0	
11	1	1	D	I	0.0
0.0	-66.2	0.0	0.0	208.1	-208.1
		J	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	
		J	0.0		0.0
0.0	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
		J	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	
		J	0.0		0.0
0.0	0.0	0.0	0.0	0.0	
		W-LO	I		0.0
6.3	0.0	-9.1	9.1	0.0	0.0
		J	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	
		J	0.0		0.0
0.0	0.0	0.0	0.0	0.0	
		W-TR	I		-1444.9
0.0	-56.6	0.0	0.0	1572.8	-1572.8
		J			-1822.6
0.0	-56.6	0.0	0.0	-806.9	806.9
		L	I	-243.0	0.0

-9.5	0.0	0.0	278.1	-278.1	
		J			-243.0
0.0	-9.5	0.0	0.0	-120.0	120.0
		W-TR	I		258.5
0.0	-89.5	0.0	0.0	1751.6	-1751.6
		J	258.5		0.0
-107.4	0.0	0.0	-2384.6	2384.6	
		WL	I		34.1
0.0	-10.1	0.0	0.0	178.1	-178.1
		J	34.1		0.0
-10.1	0.0	0.0	-245.6	245.6	
		W-LO	I		0.0
-64.5	0.0	-175.8	175.8	0.0	0.0
		J	0.0		-82.3
0.0	-3258.4	3258.4	0.0	0.0	
13	1	3	D	I	-1378.4
0.0	56.6	0.0	0.0	-1538.6	1538.6
		J			-1756.1
0.0	56.6	0.0	0.0	841.0	-841.0
		L	I	-173.6	0.0
9.5	0.0	0.0	-242.5	242.5	
		J			-173.6
0.0	9.5	0.0	0.0	155.7	-155.7
		W-TR	I		-258.5
0.0	-93.4	0.0	0.0	1767.7	-1767.7
		J			-258.5
0.0	-102.3	0.0	0.0	-2345.1	2345.1
		WL	I		-34.1
0.0	-10.1	0.0	0.0	178.1	-178.1
		J	-34.1		0.0
-10.1	0.0	0.0	-245.6	245.6	
		W-LO	I		0.0
-64.5	0.0	-175.8	175.8	0.0	0.0
		J	0.0		-82.3
0.0	-3258.4	3258.4	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:1.145 B:2.5
** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y
		(+y)-BENDING	(-y)	(+z)-BENDING	(-z)
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1	AXL	D	1	J	0.0
66.2	0.0	0.0	208.1	-208.1	0.0
11	SHY	W-LO	1	I	0.0
0.0	-9.1	9.1	0.0	0.0	6.3
1	SHZ	D	1	J	0.0
66.2	0.0	0.0	208.1	-208.1	0.0
1	BY+	D	1	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
1	BY-	W-LO	1	J	0.0
0.0	-9.1	9.1	0.0	0.0	-6.3
1	BZ+	D	1	J	0.0
66.2	0.0	0.0	208.1	-208.1	0.0
1	BZ-	D	1	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0

ELEM	COM	LC	PT	AXIAL	SHEAR-y
		(+y)-BENDING	(-y)	(+z)-BENDING	(-z)
-----	----	-----	----	-----	-----
1	AXL	W-TR	1	I	-5.9
0.0	0.0	0.0	0.0	0.0	0.0
1	SHY	W-LO	1	J	0.0
0.0	-9.1	9.1	0.0	0.0	-6.3
11	SHZ	D	1	I	0.0
-66.2	0.0	0.0	208.1	-208.1	0.0
1	BY+	W-LO	1	J	0.0
0.0	-9.1	9.1	0.0	0.0	0.0
1	BY-	W-TR	1	I	-5.9
0.0	0.0	0.0	0.0	0.0	0.0
1	BZ+	W-TR	1	I	-5.9
0.0	0.0	0.0	0.0	0.0	0.0
1	BZ-	D	1	J	0.0
66.2	0.0	0.0	208.1	-208.1	0.0

[SECTION NAME : 코핑2 , SECTION ID : 2 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2 B:2.5
** MAX

ELEM	COM	LC		PT	AXIAL	SHEAR-y
SHEAR-Z		(+y)	-BENDING-(-y)	(+z)	-BENDING-(-z)	
9	AXL	W-TR		1 I	50.5	0.0
0.0	0.0	0.0		449.4	-449.4	
4	SHY	W-LO		1 I	0.0	37.4
0.0	-26.2	26.2		0.0	0.0	
3	SHZ	D		1 J	0.0	0.0
1532.7	0.0	0.0		3104.9	-3104.9	
5	BY+	W-LO		1 J	0.0	9.0
0.0	55.4	-55.4		0.0	0.0	
4	BY-	W-LO		1 I	0.0	37.4
0.0	-26.2	26.2		0.0	0.0	
3	BZ+	D		1 J	0.0	0.0
1532.7	0.0	0.0		3104.9	-3104.9	
4	BZ-	W-TR		1 I	-2.8	0.0
294.8	0.0	0.0		-1701.2	1701.2	

** MIN

ELEM	COM	LC		PT	AXIAL	SHEAR-y
SHEAR-Z		(+y)	-BENDING-(-y)	(+z)	-BENDING-(-z)	
3	AXL	W-TR		1 J	-53.8	0.0
0.0	0.0	0.0		-449.4	449.4	
8	SHY	W-LO		1 J	0.0	-37.4
0.0	-26.2	26.2		0.0	0.0	
9	SHZ	D		1 I	0.0	0.0
-1473.6	0.0	0.0		2986.7	-2986.7	
4	BY+	W-LO		1 I	0.0	37.4
0.0	-26.2	26.2		0.0	0.0	
5	BY-	W-LO		1 J	0.0	9.0
0.0	55.4	-55.4		0.0	0.0	
4	BZ+	W-TR		1 I	-2.8	0.0
294.8	0.0	0.0		-1701.2	1701.2	
3	BZ-	D		1 J	0.0	0.0
1532.7	0.0	0.0		3104.9	-3104.9	

[SECTION NAME : 기둥 , SECTION ID : 3 , SECTION
SHAPE : SR]
[SECTION SIZE] D:2.2
** MAX

ELEM	COM	LC		PT	AXIAL	SHEAR-y
SHEAR-Z		(+y)	-BENDING-(-y)	(+z)	-BENDING-(-z)	
12	AXL	W-TR		1 J	258.5	0.0
-107.4	0.0	0.0		-2384.6	2384.6	
12	SHY	D		1 I	-1444.9	0.0
-56.6	0.0	0.0		1572.8	-1572.8	
13	SHZ	D		1 I	-1378.4	0.0
56.6	0.0	0.0		-1538.6	1538.6	
12	BY+	W-TR		1 I	258.5	0.0
-89.5	0.0	0.0		1751.6	-1751.6	
13	BY-	W-LO		1 J	0.0	-82.3
0.0	-3258.4	3258.4		0.0	0.0	
13	BZ+	W-TR		1 I	-258.5	0.0
-93.4	0.0	0.0		1767.7	-1767.7	
12	BZ-	W-TR		1 J	258.5	0.0
-107.4	0.0	0.0		-2384.6	2384.6	

** MIN

ELEM	COM	LC		PT	AXIAL	SHEAR-y
SHEAR-Z		(+y)	-BENDING-(-y)	(+z)	-BENDING-(-z)	
12	AXL	D		1 J	-1822.6	0.0
-56.6	0.0	0.0		-806.9	806.9	
13	SHY	W-LO		1 J	0.0	-82.3
0.0	-3258.4	3258.4		0.0	0.0	
12	SHZ	W-TR		1 J	258.5	0.0
-107.4	0.0	0.0		-2384.6	2384.6	
13	BY+	W-LO		1 J	0.0	-82.3
0.0	-3258.4	3258.4		0.0	0.0	
12	BY-	D		1 J	-1822.6	0.0
-56.6	0.0	0.0		-806.9	806.9	
12	BZ+	W-TR		1 J	258.5	0.0
-107.4	0.0	0.0		-2384.6	2384.6	
13	BZ-	W-TR		1 I	-258.5	0.0
-93.4	0.0	0.0		1767.7	-1767.7	