

■ 송읍교 대구방향(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	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
-16.3	0.0	0.0	0.0	12.2	0.0
3	1	2	D	I	0.0
0.0	4789.5	0.0	-126.9	0.0	0.0
0.0	4912.1	0.0	-4977.8	0.0	0.0
0.0	688.9	0.0	L	I	0.0
0.0	688.9	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-TR	I	-269.2
0.0	0.0	0.0	749.0	0.0	-269.2
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	0.0	-28.8
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	50.0	0.0
4	1	2	D	I	183.7
0.0	-327.8	0.0	-3106.7	0.0	183.7
0.0	-193.0	0.0	-2820.3	0.0	0.0
0.0	28.9	0.0	L	I	30.7
0.0	28.9	0.0	-391.8	0.0	30.7
0.0	28.9	0.0	-423.7	0.0	0.0
0.0	924.6	0.0	W-TR	I	-13.4
0.0	924.6	0.0	2669.6	0.0	-13.4
0.0	924.6	0.0	1652.6	0.0	0.0
0.0	123.6	0.0	WL	I	0.0
0.0	123.6	0.0	358.5	0.0	0.0
0.0	123.6	0.0	222.5	0.0	0.0
124.5	0.0	0.0	W-LO	I	55.0
77.3	0.0	0.0	0.0	-56.0	0.0
5	1	2	D	I	183.7
0.0	-193.0	0.0	-2820.3	0.0	183.7
0.0	-58.1	0.0	-2682.2	0.0	0.0
0.0	28.9	0.0	L	I	30.7
0.0	28.9	0.0	-423.7	0.0	30.7
0.0	28.9	0.0	-455.5	0.0	0.0
0.0	924.6	0.0	W-TR	I	-13.4
0.0	924.6	0.0	1652.6	0.0	-13.4
0.0	924.6	0.0	635.5	0.0	0.0
0.0	123.6	0.0	WL	I	0.0
0.0	123.6	0.0	222.5	0.0	0.0
0.0	123.6	0.0	86.5	0.0	0.0
77.3	0.0	0.0	W-LO	I	-56.0
30.1	0.0	0.0	0.0	-115.1	0.0
6	1	2	D	I	183.7
0.0	-58.1	0.0	-2682.2	0.0	183.7
0.0	125.8	0.0	-2732.9	0.0	0.0
0.0	28.9	0.0	L	I	30.7
0.0	28.9	0.0	-455.5	0.0	30.7
0.0	28.9	0.0	-498.9	0.0	0.0
0.0	924.6	0.0	W-TR	I	-13.4
0.0	924.6	0.0	635.5	0.0	-13.4
0.0	924.6	0.0	-751.3	0.0	0.0
0.0	0.0	0.0	WL	I	0.0

0.0	123.6	0.0	86.5	0.0	0.0
0.0	123.6	0.0	-98.9	0.0	0.0
30.1	0.0	0.0	W-LO	I	0.0
-34.4	0.0	0.0	0.0	-115.1	0.0
7	1	2	D	I	183.7
0.0	125.8	0.0	-2732.9	0.0	183.7
0.0	248.3	0.0	-2920.0	0.0	0.0
0.0	28.9	0.0	L	I	30.7
0.0	28.9	0.0	-498.9	0.0	30.7
0.0	28.9	0.0	-527.8	0.0	0.0
0.0	924.6	0.0	W-TR	I	-13.4
0.0	924.6	0.0	-751.3	0.0	-13.4
0.0	924.6	0.0	-1675.9	0.0	0.0
0.0	123.6	0.0	WL	I	0.0
0.0	123.6	0.0	-98.9	0.0	0.0
0.0	123.6	0.0	-222.5	0.0	0.0
-34.4	0.0	0.0	W-LO	I	0.0
-77.3	0.0	0.0	0.0	-111.9	0.0
8	1	2	D	I	183.7
0.0	248.3	0.0	-2920.0	0.0	183.7
0.0	383.2	0.0	-3267.3	0.0	0.0
0.0	28.9	0.0	L	I	30.7
0.0	28.9	0.0	-527.8	0.0	30.7
0.0	28.9	0.0	-559.6	0.0	0.0
0.0	924.6	0.0	W-TR	I	-13.4
0.0	924.6	0.0	-1675.9	0.0	-13.4
0.0	924.6	0.0	-2693.0	0.0	0.0
0.0	123.6	0.0	WL	I	0.0
0.0	123.6	0.0	-222.5	0.0	0.0
0.0	123.6	0.0	-358.5	0.0	0.0
-77.3	0.0	0.0	W-LO	I	-56.0
-124.5	0.0	0.0	0.0	55.0	0.0
9	1	2	D	I	0.0
0.0	-5109.1	0.0	-5174.8	0.0	0.0
0.0	-4986.6	0.0	-126.9	0.0	0.0
0.0	-894.7	0.0	L	I	0.0
0.0	-894.7	0.0	-894.7	0.0	0.0
0.0	-894.7	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	0.0	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	0.0	28.8
59.2	0.0	0.0	W-LO	I	50.0
16.3	0.0	0.0	0.0	12.2	0.0
10	1	2	D	I	0.0
0.0	-138.6	0.0	-126.9	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	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	W-LO	I	0.0
16.3	0.0	0.0	0.0	12.2	0.0

12.0	0.0	0.0	0.0	10.8	
11	1	1	D	I	0.0
0.0	-126.3	0.0	-113.7	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	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
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	W-LO	I	0.0
12.0	0.0	0.0	0.0	10.8	0.0
0.0	0.0	0.0	0.0	0.0	0.0
12	1	3	D	I	-5239.9
0.0	-183.7	0.0	-1687.4	0.0	-6564.0
0.0	-183.7	0.0	922.9	0.0	-660.0
0.0	0.0	0.0	L	I	-660.0
0.0	-30.7	0.0	-266.3	0.0	-660.0
0.0	-30.7	0.0	170.4	0.0	924.6
0.0	-255.8	0.0	-1664.9	0.0	924.6
0.0	-302.6	0.0	2302.0	0.0	123.6
0.0	-28.8	0.0	-168.8	0.0	123.6
0.0	-28.8	0.0	239.6	0.0	0.0
-183.8	0.0	5.0	0.0	183.8	0.0
-230.7	0.0	5.0	0.0	3127.8	0.0
13	1	3	D	I	-5492.3
0.0	183.7	0.0	1723.8	0.0	-6816.4
0.0	183.7	0.0	-886.5	0.0	-923.6
0.0	30.7	0.0	304.4	0.0	-923.6
0.0	30.7	0.0	-132.4	0.0	-924.6
0.0	-265.9	0.0	-1678.1	0.0	-924.6
0.0	-289.3	0.0	2266.2	0.0	-123.6
0.0	-28.8	0.0	-168.8	0.0	-123.6
0.0	-28.8	0.0	239.6	0.0	0.0
-183.8	0.0	-5.0	0.0	183.8	0.0
-230.7	0.0	-5.0	0.0	3127.8	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: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	0.0	1.80
11 SHY	W-LO	1	I	0.0	12.0
0.0	0.0	0.0	10.8	1.80	
1 SHZ	D	1	J	0.0	0.0
126.3	0.0	-113.7	1	0.0	1.80
11 TOR	D	1	I	0.0	0.0
-126.3	0.0	-113.7	1	0.0	1.80
1 MTY	W-TR	1	I	-16.8	0.0
0.0	0.0	0.0	0.0	1.80	
1 MTZ	W-LO	1	J	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	0.0	1.80	
1 SHY	W-LO	1	J	0.0	-12.0
0.0	0.0	0.0	10.8	1.80	
11 SHZ	D	1	I	0.0	0.0
-126.3	0.0	-113.7	1	0.0	1.80
11 TOR	D	1	I	0.0	0.0
-126.3	0.0	-113.7	1	0.0	1.80
1 MTY	D	1	J	0.0	0.0
126.3	0.0	-113.7	1	0.0	1.80
1 MTZ	W-TR	1	I	-16.8	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	0.0	1.00
4 SHY	W-LO	1	I	0.0	124.5
0.0	-0.0	0.0	55.0	1.10	
3 SHZ	D	1	J	0.0	0.0
4912.1	0.0	-4977.8	1	0.0	1.00
9 TOR	D	1	I	0.0	0.0
-5109.1	0.0	-5174.8	1	0.0	1.00
4 MTY	W-TR	1	I	-13.4	0.0
924.6	0.0	2669.6	1	0.0	1.10
4 MTZ	W-LO	1	I	0.0	124.5
0.0	-0.0	0.0	55.0	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	0.0	1.00
8 SHY	W-LO	1	J	0.0	-124.5
0.0	-0.0	0.0	55.0	1.10	
9 SHZ	D	1	I	0.0	0.0
-5109.1	0.0	-5174.8	1	0.0	1.00
9 TOR	D	1	I	0.0	0.0
-5109.1	0.0	-5174.8	1	0.0	1.00
9 MTY	D	1	I	0.0	0.0
-5109.1	0.0	-5174.8	1	0.0	1.00
5 MTZ	W-LO	1	J	0.0	30.1
0.0	-0.0	0.0	-115.1	1.10	

[SECTION NAME : 기동 , 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	924.6	0.0
-302.6	0.0	2302.0	1	0.0	14.21
12 SHY	D	1	I	-5239.9	0.0
-183.7	0.0	-1687.4	1	0.0	14.21
13 SHZ	D	1	I	-5492.3	0.0
183.7	0.0	1723.8	1	0.0	14.21
12 TOR	W-LO	1	J	0.0	-230.7
0.0	5.0	0.0	3127.8	14.21	
12 MTY	W-TR	1	J	924.6	0.0
-302.6	0.0	2302.0	0.0	14.21	

12 MTZ	W-LO	1	J	0.0	-230.7
0.0	5.0	0.0	3127.8	14.21	

** MIN					
ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				
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13 AXL	D	1	J	-6816.4	0.0
183.7	0.0	-886.5	1	0.0	14.21
12 SHY	W-LO	1	J	0.0	-230.7
0.0	5.0	0.0	3127.8	14.21	
12 SHZ	W-TR	1	J	924.6	0.0
-302.6	0.0	2302.0	1	0.0	14.21
13 TOR	W-LO	1	J	0.0	-230.7
0.0	-5.0	0.0	3127.8	14.21	
12 MTY	D	1	I	-5239.9	0.0
-183.7	0.0	-1687.4	1	0.0	14.21
13 MTZ	D	1	J	-6816.4	0.0
183.7	0.0	-886.5	0.0	14.21	

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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1	1	1	D	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
66.2	0.0	0.0	208.1	-208.1	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	J	0.0	0.0

0.0	0.0	0.0	0.0	0.0	-5.9
0.0	0.0	0.0	0.0	-5.9	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	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	0.0	0.0	0.0
0.0	-9.1	9.1	J	0.0	-6.3
0.0	0.0	0.0	0.0	0.0	0.0

2	1	2	D	I	0.0
0.0	37.9	0.0	0.0	68.2	-68.2
41.6	0.0	0.0	J	0.0	0.0
0.0	0.0	0.0	0.0	-76.2	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	J	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	-3.4
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	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	W-LO	I	0.0
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

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

3	1	2	D	I	0.0
0.0	1436.9	0.0	0.0	76.2	-76.2
1473.6	0.0	0.0	J	0.0	0.0
0.0	0.0	0.0	0.0	-2986.7	0.0

206.7	0.0	0.0	L	I	0.0
206.7	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	-413.4	0.0

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

0.0	0.0	0.0	WL	I	-5.8
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[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	-26.4	26.4		0.0	0.0	
3	SHZ	D		1 J	0.0	0.0
1473.6	0.0	0.0		2986.7	-2986.7	
5	BY+	W-LO		1 J	0.0	9.0
0.0	55.2	-55.2		0.0	0.0	
4	BY-	W-LO		1 I	0.0	37.4
0.0	-26.4	26.4		0.0	0.0	
9	BZ+	D		1 I	0.0	0.0
-1532.7	0.0	0.0		3104.9	-3104.9	
4	BZ-	W-TR		1 I	-2.7	0.0
277.4	0.0	0.0		-1601.8	1601.8	

** 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	-26.4	26.4		0.0	0.0	
9	SHZ	D		1 I	0.0	0.0
-1532.7	0.0	0.0		3104.9	-3104.9	
4	BY+	W-LO		1 I	0.0	37.4
0.0	-26.4	26.4		0.0	0.0	
5	BY-	W-LO		1 J	0.0	9.0
0.0	55.2	-55.2		0.0	0.0	
4	BZ+	W-TR		1 I	-2.7	0.0
277.4	0.0	0.0		-1601.8	1601.8	
9	BZ-	D		1 I	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	243.2	0.0
-106.2	0.0	0.0		-2202.1	2202.1	
12	SHY	D		1 I	-1378.4	0.0
-64.4	0.0	0.0		1614.1	-1614.1	
13	SHZ	D		1 I	-1444.8	0.0
64.4	0.0	0.0		-1649.0	1649.0	
12	BY+	W-TR		1 I	243.2	0.0
-89.7	0.0	0.0		1592.6	-1592.6	
13	BY-	W-LO		1 J	0.0	-80.9
0.0	-2992.1	2992.1		0.0	0.0	
12	BZ+	D		1 I	-1378.4	0.0
-64.4	0.0	0.0		1614.1	-1614.1	
12	BZ-	W-TR		1 J	243.2	0.0
-106.2	0.0	0.0		-2202.1	2202.1	

** MIN

ELEM	COM	LC		PT	AXIAL	SHEAR-y
SHEAR-Z		(+y)	-BENDING-(-y)	(+z)	-BENDING-(-z)	

13	AXL	D		1 J	-1793.2	0.0
64.4	0.0	0.0		848.1	-848.1	
13	SHY	W-LO		1 J	0.0	-80.9
0.0	-2992.1	2992.1		0.0	0.0	
12	SHZ	W-TR		1 J	243.2	0.0
-106.2	0.0	0.0		-2202.1	2202.1	
13	BY+	W-LO		1 J	0.0	-80.9
0.0	-2992.1	2992.1		0.0	0.0	
13	BY-	D		1 J	-1793.2	0.0
64.4	0.0	0.0		848.1	-848.1	
12	BZ+	W-TR		1 J	243.2	0.0
-106.2	0.0	0.0		-2202.1	2202.1	
12	BZ-	D		1 I	-1378.4	0.0
-64.4	0.0	0.0		1614.1	-1614.1	