

■ 송읍교 부산방향(P6) 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
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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
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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	-16.5
0.0	0.0	0.0	0.0	0.0	-16.5
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	-16.5
0.0	0.0	0.0	0.0	J	-16.5
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	4784.4	0.0	-126.9	0.0	0.0
0.0	4907.0	0.0	-4972.6	0.0	0.0
0.0	631.2	0.0	L	I	0.0
0.0	631.2	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	-258.0
0.0	0.0	0.0	712.1	J	-258.0
0.0	0.0	0.0	712.1	0.0	0.0
0.0	0.0	0.0	WL	I	-27.5
0.0	0.0	0.0	153.4	J	-27.5
0.0	0.0	0.0	153.4	0.0	0.0
-16.3	0.0	-0.0	0.0	J	12.2
-59.2	0.0	-0.0	0.0	0.0	50.0
4	1	2	D	I	159.6
0.0	-328.5	0.0	-3213.0	0.0	159.6
0.0	-193.7	0.0	-2925.8	0.0	0.0
0.0	21.9	0.0	L	I	23.9
0.0	21.9	0.0	-378.6	J	23.9
0.0	21.9	0.0	-402.8	0.0	0.0
0.0	944.9	0.0	W-TR	I	-13.8
0.0	944.9	0.0	2726.1	J	-13.8
0.0	944.9	0.0	1686.7	0.0	0.0
0.0	124.3	0.0	WL	I	0.0
0.0	124.3	0.0	360.4	J	0.0
0.0	124.3	0.0	223.7	0.0	0.0
124.5	0.0	-0.0	0.0	J	54.6
77.3	0.0	-0.0	0.0	0.0	-56.4
5	1	2	D	I	159.6
0.0	-193.7	0.0	-2925.8	0.0	159.6
0.0	-58.8	0.0	-2786.9	0.0	0.0
0.0	21.9	0.0	L	I	23.9
0.0	21.9	0.0	-402.8	J	23.9
0.0	21.9	0.0	-426.9	0.0	0.0
0.0	944.9	0.0	W-TR	I	-13.8
0.0	944.9	0.0	1686.7	J	-13.8
0.0	944.9	0.0	647.3	0.0	0.0
0.0	124.3	0.0	WL	I	0.0
0.0	124.3	0.0	223.7	J	0.0
0.0	124.3	0.0	87.0	0.0	0.0
77.3	0.0	-0.0	0.0	J	-56.4
30.1	0.0	-0.0	0.0	0.0	-115.5
6	1	2	D	I	159.6
0.0	-58.8	0.0	-2786.9	0.0	159.6
0.0	125.0	0.0	-2836.6	0.0	0.0
0.0	21.9	0.0	L	I	23.9
0.0	21.9	0.0	-426.9	J	23.9
0.0	21.9	0.0	-459.8	0.0	0.0
0.0	944.9	0.0	W-TR	I	-13.8
0.0	944.9	0.0	647.3	J	-13.8
0.0	944.9	0.0	-770.1	0.0	0.0
0.0	124.3	0.0	WL	I	0.0
0.0	124.3	0.0	87.0	J	0.0

0.0	124.3	0.0	J	0.0	0.0
0.0	124.3	0.0	-99.4	0.0	0.0
30.1	0.0	-0.0	0.0	I	-115.5
-34.4	0.0	-0.0	0.0	J	-112.3
7	1	2	D	I	159.6
0.0	125.0	0.0	-2836.6	0.0	159.6
0.0	247.6	0.0	-3022.9	0.0	0.0
0.0	21.9	0.0	L	I	23.9
0.0	21.9	0.0	-459.8	J	0.0
0.0	21.9	0.0	-481.7	0.0	23.9
0.0	944.9	0.0	W-TR	I	-13.8
0.0	944.9	0.0	-770.1	J	-13.8
0.0	944.9	0.0	-1715.0	0.0	0.0
0.0	124.3	0.0	WL	I	0.0
0.0	124.3	0.0	-99.4	J	0.0
0.0	124.3	0.0	-223.7	0.0	0.0
-34.4	0.0	-0.0	0.0	I	-112.3
-77.3	0.0	-0.0	0.0	J	-56.4
8	1	2	D	I	159.6
0.0	247.6	0.0	-3022.9	0.0	159.6
0.0	382.5	0.0	-3369.4	0.0	0.0
0.0	21.9	0.0	L	I	23.9
0.0	21.9	0.0	-481.7	J	23.9
0.0	21.9	0.0	-505.8	0.0	0.0
0.0	944.9	0.0	W-TR	I	-13.8
0.0	944.9	0.0	-1715.0	J	-13.8
0.0	944.9	0.0	-2754.4	0.0	0.0
0.0	124.3	0.0	WL	I	0.0
0.0	124.3	0.0	-223.7	J	0.0
0.0	124.3	0.0	-360.4	0.0	0.0
-77.3	0.0	-0.0	0.0	I	-56.4
-124.5	0.0	-0.0	0.0	J	54.6
9	1	2	D	I	0.0
0.0	-5098.0	0.0	-5163.7	0.0	0.0
0.0	-4975.4	0.0	-126.9	0.0	0.0
0.0	-786.4	0.0	L	I	0.0
0.0	-786.4	0.0	-786.4	J	0.0
0.0	-786.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-TR	I	241.5
0.0	0.0	0.0	-712.1	J	0.0
0.0	0.0	0.0	-712.1	0.0	241.5
0.0	0.0	0.0	WL	I	27.5
0.0	0.0	0.0	-153.4	J	27.5
0.0	0.0	0.0	-153.4	0.0	0.0
59.2	0.0	-0.0	0.0	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	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	J	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	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	J	0.0
0.0	0.0	0.0	0.0	0.0	0.0
16.3	0.0	0.0	W-LO	I	12.2
12.0	0.0	0.0	0.0	J	10.8

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

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[ SECTION NAME : 코핑1 , SECTION ID : 1 , SECTION
SHAPE : SB ]
[ SECTION SIZE ] H:1.145 B:2.5
** MAX
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★★ MIN

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

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

BEAM	ELEMENT	STRESSES	DEFAULT	PRINTOUT
Unit System : kN , m				

			J	-5.5	0.0
0.0	0.0	0.0	-92.1	92.1	
		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	31.9
0.0	-98.6	0.0	0.0	1927.8	-1927.8
			J	31.9	0.0
-58.1	0.0	0.0	1755.5	-1755.5	
		L	I	4.8	0.0
6.6	0.0	0.0	227.2	-227.2	0.0
			J	4.8	0.0
6.6	0.0	0.0	241.7	-241.7	
		W-TR	I		-2.8
0.0	283.5	0.0	0.0	-1635.7	1635.7
			J	-2.8	0.0
283.5	0.0	0.0	-1012.0	1012.0	
		WL	I	0.0	0.0
37.3	0.0	0.0	-216.2	216.2	0.0
			J	0.0	0.0
37.3	0.0	0.0	-134.2	134.2	
		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	31.9
0.0	-58.1	0.0	0.0	1755.5	-1755.5
			J	31.9	0.0
-17.6	0.0	0.0	1672.1	-1672.1	
		L	I	4.8	0.0
6.6	0.0	0.0	241.7	-241.7	0.0
			J	4.8	0.0
6.6	0.0	0.0	256.1	-256.1	
		W-TR	I		-2.8
0.0	283.5	0.0	0.0	-1012.0	1012.0
			J	-2.8	0.0
283.5	0.0	0.0	-388.4	388.4	
		WL	I	0.0	0.0
37.3	0.0	0.0	-134.2	134.2	0.0
			J	0.0	0.0
37.3	0.0	0.0	-52.2	52.2	
		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	31.9
0.0	-17.6	0.0	0.0	1672.1	-1672.1
			J	31.9	0.0
37.5	0.0	0.0	1701.9	-1701.9	
		L	I	4.8	0.0
6.6	0.0	0.0	256.1	-256.1	0.0
			J	4.8	0.0
6.6	0.0	0.0	275.9	-275.9	
		W-TR	I		-2.8
0.0	283.5	0.0	0.0	-388.4	388.4
			J	-2.8	0.0
283.5	0.0	0.0	462.0	-462.0	
		WL	I	0.0	0.0
37.3	0.0	0.0	-52.2	52.2	0.0
			J	0.0	0.0
37.3	0.0	0.0	59.7	-59.7	
		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	31.9
0.0	37.5	0.0	0.0	1701.9	-1701.9
			J	31.9	0.0
74.3	0.0	0.0	1813.7	-1813.7	
		L	I	4.8	0.0
6.6	0.0	0.0	275.9	-275.9	0.0
			J	4.8	0.0
6.6	0.0	0.0	289.0	-289.0	
		W-TR	I		-2.8
0.0	283.5	0.0	0.0	462.0	-462.0
			J	-2.8	0.0
283.5	0.0	0.0	1029.0	-1029.0	
		WL	I	0.0	0.0
37.3	0.0	0.0	59.7	-59.7	0.0
			J	0.0	0.0
37.3	0.0	0.0	134.2	-134.2	
		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	31.9
0.0	74.3	0.0	0.0	1813.7	-1813.7
			J	31.9	0.0
114.7	0.0	0.0	2021.7	-2021.7	
		L	I	4.8	0.0
6.6	0.0	0.0	289.0	-289.0	0.0
			J	4.8	0.0
6.6	0.0	0.0	303.5	-303.5	
		W-TR	I		-2.8
0.0	283.5	0.0	0.0	1029.0	-1029.0
			J	-2.8	0.0
283.5	0.0	0.0	1652.6	-1652.6	
		WL	I	0.0	0.0
37.3	0.0	0.0	134.2	-134.2	0.0
			J	0.0	0.0
37.3	0.0	0.0	216.2	-216.2	
		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	-1529.4	0.0	0.0	3098.2	-3098.2
			J	0.0	0.0
-1492.6	0.0	0.0	76.2	-76.2	
		L	I	0.0	0.0
-235.9	0.0	0.0	471.9	-471.9	0.0
			J	0.0	0.0
-235.9	0.0	0.0	0.0	0.0	
		W-TR	I		48.3
0.0	0.0	0.0	0.0	427.3	-427.3
			J	48.3	0.0
0.0	0.0	0.0	427.3	-427.3	
		WL	I	5.5	0.0
0.0	0.0	0.0	92.1	-92.1	0.0
			J	5.5	0.0
0.0	0.0	0.0	92.1	-92.1	
		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	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	
		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	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	
		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	
12	1	3	D	I	-1377.3
0.0	-56.0	0.0	0.0	1530.6	-1530.6
			J	-1757.3	-1757.3
0.0	-56.0	0.0	0.0	-835.8	835.8
		L	I	-160.3	0.0

-8.4	0.0	0.0	218.7	-218.7	
			J		-160.3
0.0	-8.4	0.0	0.0	-136.4	136.4
		W-TR	I		248.6
0.0	-85.6	0.0	0.0	1693.1	-1693.1
			J	248.6	0.0
-103.6	0.0	0.0	-2306.2	2306.2	
		WL	I		32.7
0.0	-9.6	0.0	0.0	171.7	-171.7
			J	32.7	0.0
-9.6	0.0	0.0	-236.1	236.1	
		W-LO	I		0.0
-64.5	0.0	-175.8	175.8	0.0	0.0
			J	0.0	-82.4
0.0	-3280.2	3280.2	0.0	0.0	
13	1	3	D	I	-1441.7
0.0	56.0	0.0	0.0	-1563.7	1563.7
			J		-1821.8
0.0	56.0	0.0	0.0	802.8	-802.8
		L	I	-212.7	0.0
8.4	0.0	0.0	-245.6	245.6	
			J		-212.7
0.0	8.4	0.0	0.0	109.5	-109.5
		W-TR	I		-248.6
0.0	-89.6	0.0	0.0	1709.5	-1709.5
			J		-248.6
0.0	-98.5	0.0	0.0	-2266.3	2266.3
		WL	I		-32.7
0.0	-9.6	0.0	0.0	171.7	-171.7
			J	-32.7	0.0
-9.6	0.0	0.0	-236.1	236.1	
		W-LO	I		0.0
-64.5	0.0	-175.8	175.8	0.0	0.0
			J	0.0	-82.4
0.0	-3280.2	3280.2	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)
-----	----	-----	----	-----	-----
11	AXL	D	1	I	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

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

1	AXL	W-TR	1	I	-5.8
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	-5.8
0.0	0.0	0.0	0.0	0.0	0.0
1	BZ+	W-TR	1	I	-5.8
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	48.3	0.0
0.0	0.0	0.0	427.3	-427.3	
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
1472.1	0.0	0.0	2983.6	-2983.6	
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	
9	BZ+	D	1 I	0.0	0.0
-1529.4	0.0	0.0	3098.2	-3098.2	
4	BZ-	W-TR	1 I	-2.8	0.0
283.5	0.0	0.0	-1635.7	1635.7	

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
3	AXL	W-TR	1 J	-51.6	0.0
0.0	0.0	0.0	-427.3	427.3	
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
-1529.4	0.0	0.0	3098.2	-3098.2	
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
283.5	0.0	0.0	-1635.7	1635.7	
9	BZ-	D	1 I	0.0	0.0
-1529.4	0.0	0.0	3098.2	-3098.2	

[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	248.6	0.0
-103.6	0.0	0.0	-2306.2	2306.2	
12	SHY	D	1 I	-1377.3	0.0
-56.0	0.0	0.0	1530.6	-1530.6	
13	SHZ	D	1 I	-1441.7	0.0
56.0	0.0	0.0	-1563.7	1563.7	
12	BY+	W-TR	1 I	248.6	0.0
-85.6	0.0	0.0	1693.1	-1693.1	
13	BY-	W-LO	1 J	0.0	-82.4
0.0	-3280.2	3280.2	0.0	0.0	
13	BZ+	W-TR	1 I	-248.6	0.0
-89.6	0.0	0.0	1709.5	-1709.5	
12	BZ-	W-TR	1 J	248.6	0.0
-103.6	0.0	0.0	-2306.2	2306.2	

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y
SHEAR-Z	(+y)-BENDING-(-y)	(+z)-BENDING-(-z)			
13	AXL	D	1 J	-1821.8	0.0
56.0	0.0	0.0	802.8	-802.8	
13	SHY	W-LO	1 J	0.0	-82.4
0.0	-3280.2	3280.2	0.0	0.0	
12	SHZ	W-TR	1 J	248.6	0.0
-103.6	0.0	0.0	-2306.2	2306.2	
13	BY+	W-LO	1 J	0.0	-82.4
0.0	-3280.2	3280.2	0.0	0.0	
13	BY-	D	1 J	-1821.8	0.0
56.0	0.0	0.0	802.8	-802.8	
12	BZ+	W-TR	1 J	248.6	0.0
-103.6	0.0	0.0	-2306.2	2306.2	
13	BZ-	W-TR	1 I	-248.6	0.0
-89.6	0.0	0.0	1709.5	-1709.5	