

** MIDAS/Civil V.8.7.0 Modeling,
Integrated Design & Analysis Software
**
** CIVIL STRUCTURE
DESIGN SYSTEM
**

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 V E R S I O N
8.7.0

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 A N A L Y S I S
RESULT OUTPUTS

LOAD SET FOR DISPLACMENT OUTPUT - Load
Set 1

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

ABBREVIATION	FULL	NAME
TYPE	DESCRIPTION	
- - - - - - - - - -	- - - - - - - -	- - - -
배수콘~1		배수콘크리트
Static		
자갈막~1		자갈막이벽
Static		
- - - - - - - - - -	- - - - - - - -	- - - -
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<< SELECTED LOAD CASE/COMBINATION DETAIL
LIST >>

[Selected Load Combinations]

L.	COMB	TYPE
COMBINATION DETAIL		

합성후	Gen.Comb	1.000 x 방음벽 +
1.000 x 궤도	+ 1.000 x 콘도	+ 1.000 x 배
수콘~1 +		
	1.000 x 자갈막~1	

L.	COMB	TYPE
COMBINATION DETAIL		

합성후	Gen.Comb	1.000 x 방음벽 +
1.000 x 궤도	+ 1.000 x 콘도	+ 1.000 x 배
수콘~1 +		
	1.000 x 자갈막~1	

LOAD SET FOR ELEMENT OUTPUTS - Load Set 1

NODE DISPLACEMENT AND ROTATIONS
 DEFAULT PRINTOUT Unit
 System : kN , m

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

ABBREVIATION	FULL	NAME
TYPE	DESCRIPTION	
- - - - -	- - - - -	- - - - -

No Abbreviation was made in this Load Set.		
All names are less than 8 char.'s		
- - - - -	- - - - -	- - - - -

NODE	LC	UX	UY
UZ	RX	RY	RZ

1	합성후	-0.000	0.000
0.000	-0.0	0.0	0.0
2	합성후	-0.000	-0.000
-0.000	-0.0	0.0	0.0
3	합성후	-0.000	-0.000
-0.001	-0.0	0.0	0.0
4	합성후	-0.000	-0.000
-0.002	-0.0	0.0	0.0
5	합성후	-0.000	-0.000
-0.003	-0.0	-0.0	0.0
6	합성후	-0.001	-0.000
0.000	-0.0	-0.0	0.0

<< SELECTED LOAD CASE/COMBINATION DETAIL
 LIST >>

[Selected Load Combinations]

7	합성후	-0.001	-0.000	24	합성후	-0.001	-0.000
-0.000	-0.0	-0.0	0.0	0.000	-0.0	-0.0	-0.0
8	합성후	-0.001	-0.000	25	합성후	-0.001	-0.000
-0.001	-0.0	-0.0	0.0	-0.000	-0.0	-0.0	0.0
9	합성후	-0.001	-0.000	26	합성후	-0.001	-0.000
-0.002	-0.0	-0.0	0.0	-0.002	-0.0	-0.0	0.0
10	합성후	-0.000	0.000	27	합성후	-0.001	-0.000
-0.000	-0.0	0.0	-0.0	-0.003	-0.0	-0.0	-0.0
11	합성후	-0.000	-0.000	28	합성후	0.000	-0.000
-0.000	-0.0	0.0	-0.0	-0.000	-0.0	0.0	-0.0
12	합성후	-0.000	-0.000	29	합성후	-0.000	-0.000
-0.002	-0.0	0.0	-0.0	-0.000	-0.0	0.0	-0.0
13	합성후	-0.000	-0.000	30	합성후	-0.000	-0.000
-0.002	-0.0	0.0	-0.0	-0.002	-0.0	0.0	-0.0
14	합성후	-0.000	-0.000	31	합성후	-0.000	-0.000
-0.003	-0.0	-0.0	-0.0	-0.003	-0.0	0.0	-0.0
15	합성후	-0.001	0.000	32	합성후	-0.000	-0.000
-0.000	-0.0	-0.0	0.0	-0.005	-0.0	-0.0	-0.0
16	합성후	-0.001	-0.000	33	합성후	-0.001	-0.000
-0.000	-0.0	-0.0	0.0	-0.000	-0.0	-0.0	0.0
17	합성후	-0.001	-0.000	34	합성후	-0.001	-0.000
-0.001	-0.0	-0.0	0.0	-0.000	-0.0	-0.0	0.0
18	합성후	-0.001	-0.000	35	합성후	-0.001	-0.000
-0.002	-0.0	-0.0	0.0	-0.002	-0.0	-0.0	0.0
19	합성후	-0.000	-0.000	36	합성후	-0.001	-0.000
0.000	-0.0	0.0	0.0	-0.003	-0.0	-0.0	0.0
20	합성후	-0.000	-0.000	37	합성후	0.000	0.000
-0.000	-0.0	0.0	0.0	-0.000	-0.0	0.0	-0.0
21	합성후	-0.000	-0.000	38	합성후	0.000	-0.000
-0.002	-0.0	0.0	0.0	-0.000	-0.0	0.0	-0.0
22	합성후	-0.000	-0.000	39	합성후	-0.000	-0.000
-0.003	-0.0	0.0	0.0	-0.003	-0.0	0.0	-0.0
23	합성후	-0.000	-0.000	40	합성후	-0.000	-0.000
-0.005	-0.0	-0.0	0.0	-0.005	-0.0	0.0	-0.0

41	합성후	-0.000	-0.000	58	합성후	-0.000	-0.000
-0.006	-0.0	0.0	-0.0	-0.004	-0.0	0.0	0.0
42	합성후	-0.001	0.000	59	합성후	-0.000	-0.000
-0.000	-0.0	-0.0	0.0	-0.006	-0.0	0.0	0.0
43	합성후	-0.001	-0.000	60	합성후	-0.001	0.000
-0.000	-0.0	-0.0	0.0	0.000	-0.0	-0.0	0.0
44	합성후	-0.001	-0.000	61	합성후	-0.001	-0.000
-0.003	-0.0	-0.0	0.0	-0.000	-0.0	-0.0	0.0
45	합성후	-0.001	-0.000	62	합성후	-0.001	-0.000
-0.005	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0
46	합성후	0.000	-0.000	63	합성후	-0.001	-0.000
-0.001	-0.0	0.0	0.0	-0.004	-0.0	-0.0	0.0
47	합성후	0.000	-0.000	64	합성후	0.000	0.000
-0.001	-0.0	0.0	0.0	0.000	0.0	0.0	0.0
48	합성후	-0.000	-0.000	65	합성후	0.000	0.000
-0.003	-0.0	0.0	0.0	0.000	0.0	0.0	0.0
49	합성후	-0.000	-0.000	66	합성후	0.000	0.000
-0.005	-0.0	0.0	0.0	0.000	0.0	0.0	0.0
50	합성후	-0.000	-0.000	67	합성후	0.000	0.000
-0.008	-0.0	0.0	0.0	0.000	0.0	0.0	0.0
51	합성후	-0.001	-0.000	68	합성후	0.000	0.000
-0.001	-0.0	-0.0	0.0	0.000	0.0	0.0	0.0
52	합성후	-0.001	-0.000	69	합성후	0.000	0.000
-0.001	-0.0	-0.0	0.0	0.000	0.0	0.0	0.0
53	합성후	-0.001	-0.000	70	합성후	0.000	-0.000
-0.003	-0.0	-0.0	0.0	-0.002	-0.0	0.0	0.0
54	합성후	-0.001	-0.000	71	합성후	0.000	-0.000
-0.006	-0.0	-0.0	0.0	-0.001	-0.0	0.0	-0.0
55	합성후	0.000	-0.000	72	합성후	0.000	-0.000
0.000	-0.0	0.0	0.0	-0.003	-0.0	0.0	0.0
56	합성후	0.000	-0.000	73	합성후	0.000	-0.000
-0.000	-0.0	0.0	0.0	-0.002	-0.0	0.0	-0.0
57	합성후	-0.000	-0.000	74	합성후	0.000	-0.000
-0.003	-0.0	0.0	0.0	-0.001	-0.0	0.0	0.0

75	합성후	-0.000	-0.000	92	합성후	-0.001	-0.000
-0.002	-0.0	0.0	0.0	-0.001	-0.0	-0.0	0.0
76	합성후	-0.000	-0.000	93	합성후	-0.001	-0.000
-0.001	-0.0	0.0	-0.0	-0.001	-0.0	-0.0	0.0
77	합성후	-0.000	-0.000	94	합성후	-0.001	-0.000
-0.001	-0.0	0.0	-0.0	-0.001	-0.0	-0.0	0.0
78	합성후	-0.000	-0.000	95	합성후	-0.001	-0.000
-0.001	-0.0	0.0	0.0	-0.001	-0.0	-0.0	0.0
79	합성후	-0.000	-0.000	96	합성후	-0.001	-0.000
-0.001	-0.0	0.0	0.0	-0.001	-0.0	-0.0	0.0
80	합성후	-0.000	-0.000	97	합성후	-0.001	-0.000
-0.001	-0.0	0.0	-0.0	-0.000	-0.0	-0.0	0.0
81	합성후	-0.000	-0.000	98	합성후	-0.000	-0.000
-0.001	-0.0	0.0	-0.0	-0.004	-0.0	0.0	0.0
82	합성후	-0.000	-0.000	99	합성후	-0.000	-0.000
-0.001	-0.0	0.0	0.0	-0.004	-0.0	0.0	-0.0
83	합성후	-0.000	-0.000	100	합성후	-0.000	-0.000
-0.001	-0.0	0.0	0.0	-0.003	-0.0	0.0	0.0
84	합성후	-0.001	-0.000	101	합성후	-0.000	-0.000
-0.003	-0.0	-0.0	0.0	-0.003	-0.0	0.0	-0.0
85	합성후	-0.001	-0.000	102	합성후	-0.000	-0.000
-0.002	-0.0	-0.0	0.0	-0.003	-0.0	0.0	0.0
86	합성후	-0.001	-0.000	103	합성후	-0.000	-0.000
-0.002	-0.0	-0.0	0.0	-0.002	-0.0	0.0	-0.0
87	합성후	-0.001	-0.000	104	합성후	-0.000	-0.000
-0.001	-0.0	-0.0	0.0	-0.002	-0.0	0.0	0.0
88	합성후	-0.001	-0.000	105	합성후	-0.001	-0.000
-0.002	-0.0	-0.0	0.0	-0.005	-0.0	-0.0	0.0
89	합성후	-0.001	-0.000	106	합성후	-0.001	-0.000
-0.001	-0.0	-0.0	0.0	-0.004	-0.0	-0.0	0.0
90	합성후	-0.001	-0.000	107	합성후	-0.001	-0.000
-0.001	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0
91	합성후	-0.001	-0.000	108	합성후	-0.001	-0.000
-0.001	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0

109	합성후	-0.001	-0.000	126	합성후	-0.000	-0.000
-0.003	-0.0	-0.0	0.0	-0.005	-0.0	0.0	-0.0
110	합성후	-0.001	-0.000	127	합성후	-0.000	-0.000
-0.002	-0.0	-0.0	0.0	-0.005	-0.0	0.0	-0.0
111	합성후	-0.001	-0.000	128	합성후	-0.000	-0.000
-0.002	-0.0	-0.0	0.0	-0.004	-0.0	0.0	0.0
112	합성후	-0.000	-0.000	129	합성후	-0.000	-0.000
-0.006	-0.0	0.0	0.0	-0.004	-0.0	0.0	0.0
113	합성후	-0.000	-0.000	130	합성후	-0.000	-0.000
-0.005	-0.0	0.0	-0.0	-0.004	-0.0	0.0	0.0
114	합성후	-0.000	-0.000	131	합성후	-0.000	-0.000
-0.007	-0.0	0.0	0.0	-0.005	-0.0	0.0	0.0
115	합성후	-0.000	-0.000	132	합성후	-0.000	-0.000
-0.006	-0.0	0.0	-0.0	-0.003	-0.0	0.0	-0.0
116	합성후	-0.000	-0.000	133	합성후	-0.000	-0.000
-0.007	-0.0	0.0	0.0	-0.003	-0.0	0.0	-0.0
117	합성후	-0.000	-0.000	134	합성후	-0.000	-0.000
-0.006	-0.0	0.0	-0.0	-0.003	-0.0	0.0	-0.0
118	합성후	-0.000	-0.000	135	합성후	-0.000	-0.000
-0.008	-0.0	0.0	0.0	-0.003	-0.0	0.0	-0.0
119	합성후	-0.000	-0.000	136	합성후	-0.000	-0.000
-0.006	-0.0	0.0	-0.0	-0.002	-0.0	0.0	0.0
120	합성후	-0.000	-0.000	137	합성후	-0.000	-0.000
-0.005	-0.0	0.0	0.0	-0.003	-0.0	0.0	0.0
121	합성후	-0.000	-0.000	138	합성후	-0.000	-0.000
-0.005	-0.0	0.0	0.0	-0.003	-0.0	0.0	0.0
122	합성후	-0.000	-0.000	139	합성후	-0.000	-0.000
-0.006	-0.0	0.0	0.0	-0.003	-0.0	0.0	0.0
123	합성후	-0.000	-0.000	140	합성후	-0.000	-0.000
-0.006	-0.0	0.0	0.0	-0.008	-0.0	-0.0	0.0
124	합성후	-0.000	-0.000	141	합성후	-0.000	-0.000
-0.004	-0.0	0.0	-0.0	-0.006	-0.0	-0.0	-0.0
125	합성후	-0.000	-0.000	142	합성후	-0.001	-0.000
-0.004	-0.0	0.0	-0.0	-0.007	-0.0	-0.0	0.0

143	합성후	-0.001	-0.000	160	합성후	-0.000	-0.000	
-0.006	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
144	합성후	-0.001	-0.000	161	합성후	-0.000	-0.000	
-0.007	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
145	합성후	-0.001	-0.000	162	합성후	-0.001	-0.000	
-0.006	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
146	합성후	-0.001	-0.000	163	합성후	-0.001	-0.000	
-0.006	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
147	합성후	-0.001	-0.000	164	합성후	-0.000	-0.000	
-0.005	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
148	합성후	-0.000	-0.000	165	합성후	-0.000	-0.000	
-0.006	-0.0	-0.0	0.0	-0.003	-0.0	-0.0	0.0	
149	합성후	-0.000	-0.000	166	합성후	-0.000	-0.000	
-0.006	-0.0	-0.0	0.0	-0.002	-0.0	-0.0	0.0	
150	합성후	-0.001	-0.000	167	합성후	-0.001	-0.000	
-0.005	-0.0	-0.0	0.0	-0.002	-0.0	-0.0	0.0	
151	합성후	-0.001	-0.000	-----				
-0.005	-0.0	-0.0	0.0	-----				
152	합성후	-0.000	-0.000	-----				
-0.005	-0.0	-0.0	0.0					
153	합성후	-0.000	-0.000					
-0.005	-0.0	-0.0	0.0					
154	합성후	-0.001	-0.000	BEAM ELEMENT FORCES & MOMENTS DEFAULT				
-0.004	-0.0	-0.0	0.0	PRINTOUT				
155	합성후	-0.001	-0.000	Unit System :				
-0.004	-0.0	-0.0	0.0	kN , m				
156	합성후	-0.000	-0.000	-----				
-0.005	-0.0	-0.0	0.0	---				
157	합성후	-0.000	-0.000	ELEM	MAT	SEC	LC	PT
-0.004	-0.0	-0.0	0.0	AXIAL	SHEAR-y	SHEAR-z	TORSION	
158	합성후	-0.001	-0.000	MOMENT-y	MOMENT-z			
-0.004	-0.0	-0.0	0.0	-----	-----	-----	-----	---
159	합성후	-0.001	-0.000	-----	-----	-----	-----	-----
-0.004	-0.0	-0.0	0.0	1	1	3	합성후	I
				6.4	-90.1	-53.0		-170.5
				-20.2				146.3
							J	-170.5

[illegible]

8.6	192.5	45.6	35.3				J	319.7
-37.9				-8.9	218.2	57.0		248.9
		J	10.9	7.3				
8.6	192.5	45.6	-3.2					
-39.6				24	1	3	합성후	I
				6.8		296.4	105.0	-10.8
17	1	3	합성후	I	197.2	-22.2		42.3
-9.7		-302.5	-97.5	-163.7			J	-10.8
-24.2				6.8	296.4	105.0		-17.0
			J	197.2	-23.6			
-9.7		-302.5	-97.5	-103.2				
-22.3				25	2	4	합성후	I
				23.7		51.1	8.2	6.8
18	1	2	합성후	I	234.1	20.2		44.1
-27.0		-278.3	-67.9	-122.5			J	6.8
-22.3				23.7		51.1	8.2	-24.9
			J	234.1	-11.7			
-27.0		-278.3	-67.9	109.4				
0.2				26	2	4	합성후	I
				24.0		56.9	6.6	8.8
19	1	1	합성후	I	515.3	-11.7		-26.3
-10.9		-191.0	-21.3	302.1			J	8.8
-3.1				24.0		56.9	6.6	-43.3
			J	515.3	-18.9			
-10.9		-191.0	-21.3	502.6				
8.4				27	2	4	합성후	I
				27.4		67.6	8.3	-60.8
20	1	1	합성후	I	675.3	21.0		42.5
-32.2		-131.1	-21.7	540.1			J	-60.8
-23.2				27.4		67.6	8.3	-68.9
			J	675.3	-24.2			
-32.2		-131.1	-21.7	663.3				
7.1				28	2	4	합성후	I
				24.6		-8.3	8.2	-7.0
21	1	1	합성후	I	810.2	21.0		-20.2
-26.0		17.9	-3.9	791.5			J	-7.0
-10.8				24.6		-8.3	8.2	-8.9
			J	810.2	-12.3			
-26.0		17.9	-3.9	774.6				
13.6				29	2	4	합성후	I
				31.9		-2.1	2.5	0.3
22	1	1	합성후	I	552.0	-12.3		-13.6
-8.5		160.3	17.4	631.5			J	0.3
3.4				31.9		-2.1	2.5	-13.0
			J	552.0	-21.9			
-8.5		160.3	17.4	463.2				
12.4				30	2	4	합성후	I
				25.9		0.1	7.3	-43.4
23	1	2	합성후	I	319.7	20.9		-26.0
-8.9		218.2	57.0	430.7			J	-43.4
-0.1				25.9		0.1	7.3	-26.2

-21.8						38	2	4	합성후	I	-18.9
						-26.8		63.6		-6.9	-12.6
31	2	4	합성후	I	-2.8	11.1					
2.0		-2.7		0.5	-17.9					J	-18.9
1.7						-26.8		63.6		-6.9	-31.7
				J	-2.8	19.2					
2.0		-2.7		0.5	-14.2						
-1.0						39	2	4	합성후	I	-63.4
						-26.7		71.4		-10.4	45.1
32	2	4	합성후	I	2.3	-20.4					
3.1		2.1		-0.0	-17.6					J	-63.4
-1.0						-26.7		71.4		-10.4	-72.7
				J	2.3	23.6					
3.1		2.1		-0.0	-18.3						
-1.9						96	1	2	합성후	I	317.5
						-5.0		-246.3		-61.3	54.3
33	2	4	합성후	I	-40.5	0.2					
2.2		4.2		0.4	-27.6					J	317.5
1.8						-5.0		-246.3		-61.3	259.6
				J	-40.5	4.4					
2.2		4.2		0.4	-34.5						
-1.8						97	1	2	합성후	I	416.0
						9.0		-221.5		-53.7	194.0
34	2	4	합성후	I	-10.2	4.4					
-22.6		-11.7		-7.7	-22.3					J	416.0
-19.2						9.0		-221.5		-53.7	378.6
				J	-10.2	-3.1					
-22.6		-11.7		-7.7	-6.5						
11.2						102	1	2	합성후	I	142.2
						-5.4		-165.8		-46.2	102.4
35	2	4	합성후	I	1.1	-20.9					
-28.6		-4.9		-2.8	-13.5					J	142.2
11.2						-5.4		-165.8		-46.2	240.6
				J	1.1	-16.4					
-28.6		-4.9		-2.8	-12.0						
19.8						103	1	2	합성후	I	209.5
						5.8		-147.5		-53.6	195.8
36	2	4	합성후	I	-40.7	-16.4					
-23.6		-3.1		-7.0	-28.8					J	209.5
-19.1						5.8		-147.5		-53.6	318.8
				J	-40.7	-21.2					
-23.6		-3.1		-7.0	-23.6						
19.9						110	1	2	합성후	I	-41.8
						-1.0		-88.4		-45.5	153.7
37	2	4	합성후	I	12.3	-11.5					
-22.7		58.3		-10.8	46.1					J	-41.8
-19.6						-1.0		-88.4		-45.5	227.4
				J	12.3	-10.7					
-22.7		58.3		-10.8	-32.7						
11.1						111	1	2	합성후	I	3.4
						7.8		-79.3		-48.9	197.4

-10.7						9.4	-161.2	-16.4	602.3	
			J	3.4	-1.5					
7.8		-79.3	-48.9	263.4						
-17.2					139	1	1	합성후	I	347.9
					-36.3		-104.7		-22.9	352.3
116	1	2	합성후	I	199.3	8.5				
6.8		241.8	64.5	329.6				J		347.9
7.3					-36.3		-104.7		-22.9	462.3
			J	199.3	46.6					
6.8		241.8	64.5	128.2						
1.6					143	1	1	합성후	I	89.6
					-21.6		-57.6		-22.5	275.7
117	1	2	합성후	I	67.7	4.7				
28.5		272.3	72.0	216.8				J		89.6
1.6					-21.6		-57.6		-22.5	336.2
			J	67.7	27.4					
28.5		272.3	72.0	-10.1						
-22.2					146	1	1	합성후	I	437.2
					11.9		189.1		22.8	541.7
122	1	2	합성후	I	143.5	12.4				
7.4		165.7	50.3	239.2				J		437.2
-11.9					11.9		189.1		22.8	343.2
			J	143.5	-0.1					
7.4		165.7	50.3	101.1						
-18.1					149	1	1	합성후	I	280.9
					28.5		126.1		28.9	397.4
123	1	2	합성후	I	66.3	12.5				
23.8		183.7	38.7	152.4				J		280.9
-18.1					28.5		126.1		28.9	265.1
			J	66.3	-17.5					
23.8		183.7	38.7	-0.7						
-37.9					153	1	1	합성후	I	136.2
					21.7		69.6		26.4	258.1
130	1	2	합성후	I	78.7	8.6				
2.8		93.0	48.6	156.1				J		136.2
-7.5					21.7		69.6		26.4	185.0
			J	78.7	-14.2					
2.8		93.0	48.6	78.6						
-9.8					156	1	1	합성후	I	735.8
					-13.3		-102.4		-18.3	622.7
131	1	2	합성후	I	45.6	7.1				
12.8		100.5	44.0	99.8				J		735.8
-9.8					-13.3		-102.4		-18.3	718.9
			J	45.6	19.6					
12.8		100.5	44.0	16.1						
-20.5					157	1	1	합성후	I	779.4
					-2.1		-73.2		-10.8	689.6
136	1	1	합성후	I	617.6	19.6				
9.4		-161.2	-16.4	433.1				J		779.4
8.4					-2.1		-73.2		-10.8	758.4
			J	617.6	21.5					

						-2.0	-23.9	-10.5	371.0
158	1	1	합성후	I	806.6	6.5			
8.3		-43.9	-2.9		740.3			J	177.2
21.5						-2.0	-23.9	-10.5	393.5
			J		806.6	8.4			
8.3		-43.9	-2.9		781.5				
13.8						186	1	1	합성후
				I		-4.1	-14.8	-8.0	191.0
									384.1
159	1	1	합성후	I	817.9	8.4			
24.2		-14.7	2.4		774.0			J	191.0
13.8						-4.1	-14.8	-8.0	398.0
			J		817.9	12.2			
24.2		-14.7	2.4		787.8				
-9.0						187	1	1	합성후
				I		-8.7	-6.7	-4.6	201.6
									390.7
168	1	1	합성후	I	439.0	12.2			
-0.7		-68.7	-11.6		484.9			J	201.6
1.4						-8.7	-6.7	-4.6	397.0
			J		439.0	20.4			
-0.7		-68.7	-11.6		549.5				
2.1						196	1	1	합성후
				I		-9.6	46.9	1.2	787.6
									790.1
169	1	1	합성후	I	468.8	13.6			
-3.4		-48.7	-11.2		529.4			J	787.6
2.1						-9.6	46.9	1.2	746.0
			J		468.8	22.6			
-3.4		-48.7	-11.2		575.2				
5.3						197	1	1	합성후
				I		0.8	76.1	9.2	749.1
									772.2
170	1	1	합성후	I	489.6	22.6			
-8.1		-28.8	-9.8		561.2			J	749.1
5.3						0.8	76.1	9.2	700.6
			J		489.6	21.9			
-8.1		-28.8	-9.8		588.2				
12.9						198	1	1	합성후
				I		11.6	105.2	17.0	694.3
									737.8
171	1	1	합성후	I	500.8	21.9			
-18.0		-8.2	-5.7		580.6			J	694.3
12.9						11.6	105.2	17.0	639.0
			J		500.8	11.0			
-18.0		-8.2	-5.7		588.3				
29.8						199	1	1	합성후
				I		29.2	133.7	21.2	622.9
									687.4
184	1	1	합성후	I	159.6	11.0			
-0.9		-33.2	-12.4		351.6			J	622.9
5.6						29.2	133.7	21.2	561.7
			J		159.6	-16.5			
-0.9		-33.2	-12.4		382.8				
6.5						208	1	1	합성후
				I		6.1	28.8	8.0	490.1
									587.8
185	1	1	합성후	I	177.2	12.0			

				J	490.1	13.0						
	6.1		28.8	8.0	560.7							
6.2						236	1	5	합성후	I	-0.0	
						0.0		-1.0		0.0	-0.0	
	209	1	1	합성후	I	469.7	0.0					
	1.8		48.8	9.4	574.5					J	-0.0	
6.2						0.0		1.0		0.0	-0.0	
				J	469.7	0.0						
	1.8		48.8	9.4	528.6							
4.5						237	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
	210	1	1	합성후	I	440.1	0.0					
	-1.2		68.8	10.2	548.5					J	-0.0	
4.5						0.0		4.2		0.0	-0.6	
				J	440.1	0.0						
	-1.2		68.8	10.2	483.8							
5.6						238	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
	211	1	1	합성후	I	400.2	0.0					
	-5.4		88.6	11.4	510.6					J	-0.0	
5.6						0.0		4.2		0.0	-0.6	
				J	400.2	0.0						
	-5.4		88.6	11.4	427.3							
10.7						239	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
	224	1	1	합성후	I	211.4	0.0					
	2.8		11.7	6.3	388.6					J	-0.0	
12.1						0.0		4.2		0.0	-0.6	
				J	211.4	0.0						
	2.8		11.7	6.3	377.6							
9.5						240	1	5	합성후	I	-0.0	
						0.0		-5.3		0.0	-0.9	
	225	1	1	합성후	I	209.8	0.0					
	0.8		21.0	8.8	378.3					J	-0.0	
9.5						0.0		5.3		0.0	-0.9	
				J	209.8	0.0						
	0.8		21.0	8.8	358.6							
8.7						241	1	5	합성후	I	-0.0	
						0.0		-5.3		0.0	-0.9	
	226	1	1	합성후	I	204.4	0.0					
	-0.8		30.4	11.1	361.8					J	-0.0	
8.7						0.0		5.3		0.0	-0.9	
				J	204.4	0.0						
	-0.8		30.4	11.1	333.2							
9.5						242	1	5	합성후	I	-0.0	
						0.0		-4.7		0.0	-0.7	
	227	1	1	합성후	I	195.5	0.0					
	-3.8		38.4	13.7	338.6					J	-0.0	
9.5						0.0		4.7		0.0	-0.7	
				J	195.5	0.0						
	-3.8		38.4	13.7	302.5							

243	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	4.7	0.0			-0.7	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						251	1	5	합성후	I	-0.0	
0.0						0.0		-4.7		0.0	-0.7	
244	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	4.7	0.0			-0.7	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						252	1	5	합성후	I	-0.0	
						0.0		-5.3		0.0	-0.9	
245	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	5.3	0.0			-0.9	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						253	1	5	합성후	I	-0.0	
						0.0		-5.3		0.0	-0.9	
246	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	5.3	0.0			-0.9	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						254	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
247	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	4.2	0.0			-0.6	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						255	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
248	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	4.2	0.0			-0.6	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						256	1	5	합성후	I	-0.0	
						0.0		-4.2		0.0	-0.6	
249	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		-0.0	
0.0						0.0	4.2	0.0			-0.6	
				J	-0.0	0.0						
0.0		4.7		0.0	-0.7							
						257	1	5	합성후	I	0.0	
						0.0		-1.0		0.0	-0.0	
250	1	5	합성후	I	-0.0	0.0						
0.0		-4.7		0.0	-0.7				J		0.0	

0.0 1.0 0.0 -0.0
0.0

14 MTZ 합성후 1 I 349.3
35.3 104.6 23.8 460.7 49.6
1.05

** MIN

ELEM COM LC PT AXIAL
SHEAR-y SHEAR-z TORSION MOMENT-y
MOMENT-z LENGTH

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

3 AXL 합성후 1 J 51.8
-20.8 -67.7 -24.8 301.2 4.7
1.05

139 SHY 합성후 1 I 347.9
-36.3 -104.7 -22.9 352.3 8.5
1.05

* LENGTH : the length of between two nodes

19 SHZ 합성후 1 I 515.3
-10.9 -191.0 -21.3 302.1 -3.1
1.05

[SECTION NAME : ps중앙 , SECTION ID : 1]

11 TOR 합성후 1 I 279.5
-28.3 -126.1 -27.5 266.5 -21.2
1.05

153 MTY 합성후 1 J 136.2
21.7 69.6 26.4 185.0 -14.2
1.05

** MAX

ELEM COM LC PT AXIAL
SHEAR-y SHEAR-z TORSION MOMENT-y
MOMENT-z LENGTH

20 MTZ 합성후 1 I 675.3
-32.2 -131.1 -21.7 540.1 -23.2
0.94

[SECTION NAME : ps단2 , SECTION ID : 2]

159 AXL 합성후 1 J 817.9
24.2 -14.7 2.4 787.8 -9.0
0.94

** MAX

ELEM COM LC PT AXIAL
SHEAR-y SHEAR-z TORSION MOMENT-y
MOMENT-z LENGTH

14 SHY 합성후 1 I 349.3
35.3 104.6 23.8 460.7 49.6
1.05

146 SHZ 합성후 1 I 437.2
11.9 189.1 22.8 541.7 12.4
1.05

149 TOR 합성후 1 I 280.9
28.5 126.1 28.9 397.4 12.5
1.05

21 MTY 합성후 1 I 810.2
-26.0 17.9 -3.9 791.5 -10.8
0.94

97 AXL 합성후 1 J 416.0
9.0 -221.5 -53.7 378.6 -3.1
0.83

117 SHY 합성후 1 I 67.7
28.5 272.3 72.0 216.8 1.6

0.83					
117	SHZ	합성후	1	I	67.7
28.5	272.3	72.0	216.8	1.6	
0.83					
117	TOR	합성후	1	I	67.7
28.5	272.3	72.0	216.8	1.6	
0.83					
23	MTY	합성후	1	I	319.7
-8.9	218.2	57.0	430.7	-0.1	
0.83					
116	MTZ	합성후	1	I	199.3
6.8	241.8	64.5	329.6	7.3	
0.83					
**	MIN				
ELEM	COM	LC	PT	AXIAL	
SHEAR-y	SHEAR-z	TORSION	MOMENT-y		
MOMENT-z	LENGTH				
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-----	-----	-----	-----	-----	
2	AXL	합성후	1	J	-112.8
-12.0	-94.6	-39.5	201.3	-11.5	
0.83					
18	SHY	합성후	1	I	234.1
-27.0	-278.3	-67.9	-122.5	-22.3	
0.83					
18	SHZ	합성후	1	I	234.1
-27.0	-278.3	-67.9	-122.5	-22.3	
0.83					
18	TOR	합성후	1	I	234.1
-27.0	-278.3	-67.9	-122.5	-22.3	
0.83					
18	MTY	합성후	1	I	234.1
-27.0	-278.3	-67.9	-122.5	-22.3	
0.83					
123	MTZ	합성후	1	J	66.3
23.8	183.7	38.7	-0.7	-37.9	
0.83					

[SECTION NAME : ps단1 , SECTION ID : 3]

** MAX

ELEM	COM	LC	PT	AXIAL	
SHEAR-y	SHEAR-z	TORSION	MOMENT-y		

MOMENT-z	LENGTH				
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-----	-----	-----	-----	-----	
17	AXL	합성후	1	I	197.2
-9.7	-302.5	-97.5	-163.7	-24.2	
0.20					
16	SHY	합성후	1	I	10.9
8.6	192.5	45.6	35.3	-37.9	
0.20					
24	SHZ	합성후	1	I	-10.8
6.8	296.4	105.0	42.3	-22.2	
0.20					
24	TOR	합성후	1	I	-10.8
6.8	296.4	105.0	42.3	-22.2	
0.20					
1	MTY	합성후	1	J	-170.5
6.4	-90.1	-53.0	164.4	-21.5	
0.20					
8	MTZ	합성후	1	J	25.9
-4.5	96.4	57.1	8.2	-19.6	
0.20					
**	MIN				
ELEM	COM	LC	PT	AXIAL	
SHEAR-y	SHEAR-z	TORSION	MOMENT-y		
MOMENT-z	LENGTH				
-----	---	-----	---	-----	
-----	-----	-----	-----	-----	
1	AXL	합성후	1	J	-170.5
6.4	-90.1	-53.0	164.4	-21.5	
0.20					
9	SHY	합성후	1	I	17.3
-21.6	-192.0	-29.1	-7.3	-39.9	
0.20					
17	SHZ	합성후	1	I	197.2
-9.7	-302.5	-97.5	-163.7	-24.2	
0.20					
17	TOR	합성후	1	I	197.2
-9.7	-302.5	-97.5	-163.7	-24.2	
0.20					
17	MTY	합성후	1	I	197.2
-9.7	-302.5	-97.5	-163.7	-24.2	
0.20					
9	MTZ	합성후	1	I	17.3
-21.6	-192.0	-29.1	-7.3	-39.9	
0.20					

[SECTION NAME : cros , SECTION ID : 4 ,
SECTION SHAPE : SB]

[SECTION SIZE] H:1.3 B:0.25

** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y	SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH			

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37	AXL	합성후	1	I	12.3
-22.7	58.3	-10.8	46.1	-19.6	
1.35					

29	SHY	합성후	1	I	0.3
31.9	-2.1	2.5	-13.6	-12.3	
0.30					

39	SHZ	합성후	1	I	-63.4
-26.7	71.4	-10.4	45.1	-20.4	
1.65					

27	TOR	합성후	1	I	-60.8
27.4	67.6	8.3	42.5	21.0	
1.65					

37	MTY	합성후	1	I	12.3
-22.7	58.3	-10.8	46.1	-19.6	
1.35					

39	MTZ	합성후	1	J	-63.4
-26.7	71.4	-10.4	-72.7	23.6	
1.65					

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y	SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH			

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39	AXL	합성후	1	J	-63.4
-26.7	71.4	-10.4	-72.7	23.6	
1.65					

35	SHY	합성후	1	I	1.1
-28.6	-4.9	-2.8	-13.5	11.2	
0.30					

34	SHZ	합성후	1	I	-10.2
-22.6	-11.7	-7.7	-22.3	-19.2	
1.35					

37	TOR	합성후	1	I	12.3
-22.7	58.3	-10.8	46.1	-19.6	
1.35					

39	MTY	합성후	1	J	-63.4
-26.7	71.4	-10.4	-72.7	23.6	
1.65					

27	MTZ	합성후	1	J	-60.8
27.4	67.6	8.3	-68.9	-24.2	
1.65					

[SECTION NAME : tem , SECTION ID : 5 ,
SECTION SHAPE : SB]

[SECTION SIZE] H:0.0001 B:0.0001

** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y	SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH			

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257	AXL	합성후	1	I	0.0
0.0	-1.0	0.0	-0.0	0.0	
0.20					

236	SHY	합성후	1	I	-0.0
0.0	-1.0	0.0	-0.0	0.0	
0.20					

240	SHZ	합성후	1	J	-0.0
0.0	5.3	0.0	-0.9	0.0	
1.05					

253	TOR	합성후	1	I	-0.0
0.0	-5.3	0.0	-0.9	0.0	
1.05					

236	MTY	합성후	1	I	-0.0
0.0	-1.0	0.0	-0.0	0.0	
0.20					

247	MTZ	합성후	1	I	-0.0
0.0	-4.7	0.0	-0.7	0.0	
0.94					

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y	SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH			

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247	AXL	합성후	1	I	-0.0	0.0	0.0	466.1	-466.1	-1035.3	
0.0	-4.7	0.0	-0.7	0.0	1138.6						
0.94									J	92.3	
236	SHY	합성후	1	I	-0.0	0.0	0.0	-126.2	126.2	-1355.1	
0.0	-1.0	0.0	-0.0	0.0	1490.3						
0.20											
240	SHZ	합성후	1	I	-0.0	4	1	1	합성후	I	247.4
0.0	-5.3	0.0	-0.9	0.0	0.0	0.0	-173.1	173.1	-1469.9		
1.05					1616.6						
253	TOR	합성후	1	I	-0.0				J	247.4	
0.0	-5.3	0.0	-0.9	0.0	0.0	0.0	-152.1	152.1	-1644.1		
1.05					1808.2						
252	MTY	합성후	1	I	-0.0						
0.0	-5.3	0.0	-0.9	0.0	5	1	1	합성후	I	373.6	
1.05					0.0	0.0	-505.1	505.1	-1769.0		
247	MTZ	합성후	1	I	-0.0	1945.6					
0.0	-4.7	0.0	-0.7	0.0					J	373.6	
0.94					0.0	0.0	-327.6	327.6	-1754.6		
					1929.7						
					6	1	1	합성후	I	285.8	
					0.0	0.0	-872.8	872.8	-1366.6		
BEAM ELEMENT STRESSES DEFAULT PRINTOUT					1503.0						
Unit System : kN ,									J	285.8	
m					0.0	0.0	-233.6	233.6	-1090.2		
					1199.0						

					7	1	2	합성후	I	141.2	
					0.0	0.0	283.8	-283.8	-820.7		
ELEM	MAT	SEC	LC	PT	953.7						
AXIAL	SHEAR-y	SHEAR-z	(+y)-BENDING-	(-y)					J	141.2	
(+z)-BENDING-	(-z)				0.0	0.0	149.5	-149.5	-547.5		
					636.2						

					8	1	3	합성후	I	27.2	
					0.0	0.0	268.7	-268.7	-102.9		
1	1	3	합성후	I	-179.0	113.4					
0.0	0.0	265.6	-265.6	-547.3					J	27.2	
603.4					0.0	0.0	256.9	-256.9	-30.8		
			J	-179.0	33.9						
0.0	0.0	282.5	-282.5	-614.8							
677.7					9	1	3	합성후	I	18.2	
					0.0	0.0	524.3	-524.3	27.4		
2	1	2	합성후	I	-148.8	-30.2					
0.0	0.0	430.7	-430.7	-486.5					J	18.2	
565.3					0.0	0.0	467.6	-467.6	-116.3		
			J	-148.8	128.2						
0.0	0.0	230.3	-230.3	-799.6							
929.1					10	1	2	합성후	I	88.5	
					0.0	0.0	712.9	-712.9	3.3		
3	1	1	합성후	I	92.3	-3.8					

			J	88.5	-425.6					
0.0	0.0	418.0	-418.0	-604.8						
702.8					18	1	2	합성후	I	309.0
					0.0	0.0	446.4	-446.4		486.4
11	1	1	합성후	I	498.3	-565.2				
0.0	0.0	574.5	-574.5	-1199.1					J	309.0
1318.7					0.0	0.0	-4.7	4.7		-434.5
			J	498.3	504.9					
0.0	0.0	-229.4	229.4	-1794.6						
1973.7					19	1	1	합성후	I	918.9
					0.0	0.0	83.2	-83.2		-1359.1
12	1	1	합성후	I	710.4	1494.7				
0.0	0.0	-102.5	102.5	-1929.9					J	918.9
2122.4					0.0	0.0	-226.3	226.3		-2261.2
			J	710.4	2486.9					
0.0	0.0	-38.7	38.7	-2304.3						
2534.2					20	1	1	합성후	I	1204.2
					0.0	0.0	629.0	-629.0		-2429.7
13	1	1	합성후	I	892.7	2672.2				
0.0	0.0	-707.3	707.3	-2646.8					J	1204.2
2911.0					0.0	0.0	-191.3	191.3		-2984.1
			J	892.7	3281.8					
0.0	0.0	-324.5	324.5	-2612.1						
2872.8					21	1	1	합성후	I	1444.7
					0.0	0.0	292.9	-292.9		-3560.6
14	1	1	합성후	I	622.9	3915.8				
0.0	0.0	-1343.6	1343.6	-2072.6					J	1444.7
2279.4					0.0	0.0	-368.5	368.5		-3484.8
			J	622.9	3832.5					
0.0	0.0	-338.8	338.8	-1578.3						
1735.7					22	1	1	합성후	I	984.4
					0.0	0.0	-92.6	92.6		-2841.1
15	1	2	합성후	I	278.5	3124.5				
0.0	0.0	349.4	-349.4	-1259.8					J	984.4
1463.9					0.0	0.0	-334.5	334.5		-2083.9
			J	278.5	2291.8					
0.0	0.0	238.1	-238.1	-771.7						
896.7					23	1	2	합성후	I	422.0
					0.0	0.0	2.6	-2.6		-1710.5
16	1	3	합성후	I	11.4	1987.6				
0.0	0.0	497.9	-497.9	-132.2					J	422.0
145.7					0.0	0.0	-145.7	145.7		-988.3
			J	11.4	1148.4					
0.0	0.0	520.4	-520.4	11.8						
-13.0					24	1	3	합성후	I	-11.4
					0.0	0.0	291.5	-291.5		-158.3
17	1	3	합성후	I	207.1	174.5				
0.0	0.0	318.2	-318.2	612.4					J	-11.4
-675.0					0.0	0.0	309.4	-309.4		63.4
			J	207.1	-69.9					
0.0	0.0	292.8	-292.8	386.0						

25	2	4	합성후	I	20.9	-250.4				
109.2	235.9	-1493.3	1493.3		-626.9			J	7.0	
626.9						14.2	9.7	141.9	-141.9	259.3
			J		20.9	-259.3				
109.2	235.9	865.3	-865.3		352.9					
-352.9						33	2	4	합성후	I
						10.0	19.3	-129.4	129.4	392.6
26	2	4	합성후	I	27.2	-392.6				
110.7	262.4	865.3	-865.3		373.2			J		-124.7
-373.2						10.0	19.3	134.9	-134.9	490.4
			J		27.2	-490.4				
110.7	262.4	1396.6	-1396.6		615.4					
-615.4						34	2	4	합성후	I
						-104.1	-54.2	1418.3	-1418.3	317.3
27	2	4	합성후	I	-187.0	-317.3				
126.5	311.8	-1551.7	1551.7		-604.2			J		-31.3
604.2						-104.1	-54.2	-830.6	830.6	92.2
			J		-187.0	-92.2				
126.5	311.8	1789.1	-1789.1		978.7					
-978.7						35	2	4	합성후	I
						-132.0	-22.5	-830.6	830.6	3.4
28	2	4	합성후	I	-21.7	-191.7				
113.7	-38.4	-1548.2	1548.2		286.4			J		3.4
-286.4						-132.0	-22.5	-1464.2	1464.2	170.8
			J		-21.7	-170.8				
113.7	-38.4	907.9	-907.9		127.0					
-127.0						36	2	4	합성후	I
						-109.0	-14.5	1407.5	-1407.5	-125.3
29	2	4	합성후	I	1.0	-408.8				408.8
147.3	-9.5	907.9	-907.9		192.7			J		-125.3
-192.7						-109.0	-14.5	-1469.7	1469.7	335.2
			J		1.0	-335.2				
147.3	-9.5	1615.1	-1615.1		183.9					
-183.9						37	2	4	합성후	I
						-105.0	269.2	1444.7	-1444.7	37.9
30	2	4	합성후	I	-133.5	654.1				-654.1
119.3	0.6	-1543.7	1543.7		369.0			J		37.9
-369.0						-105.0	269.2	-823.2	823.2	464.3
			J		-133.5	-464.3				
119.3	0.6	1606.6	-1606.6		372.1					
-372.1						38	2	4	합성후	I
						-123.6	293.6	-823.2	823.2	-58.0
31	2	4	합성후	I	-8.7	-178.4				178.4
9.4	-12.5	-128.8	128.8		254.3			J		-58.0
-254.3						-123.6	293.6	-1416.3	1416.3	449.5
			J		-8.7	-449.5				
9.4	-12.5	73.9	-73.9		202.3					
-202.3						39	2	4	합성후	I
						-123.1	329.5	1509.8	-1509.8	-195.2
32	2	4	합성후	I	7.0	641.1				-641.1
14.2	9.7	73.9	-73.9		250.4			J		-195.2

-123.1	329.5	-1739.8	1739.8	1031.8						
-1031.8					117	1	2	합성후	I	89.4
					0.0	0.0		-31.5	31.5	-860.9
96	1	2	합성후	I	419.1	1000.4				
0.0	0.0		-4.7	4.7	-215.6				J	89.4
250.5					0.0	0.0		444.4	-444.4	40.2
				J	419.1	-46.7				
0.0	0.0		-88.6	88.6	-1030.8					
1197.8					122	1	2	합성후	I	189.4
					0.0	0.0		238.1	-238.1	-950.1
97	1	2	합성후	I	549.1	1103.9				
0.0	0.0		-88.6	88.6	-770.5				J	189.4
895.4					0.0	0.0		361.8	-361.8	-401.6
				J	549.1	466.6				
0.0	0.0		61.5	-61.5	-1503.5					
1747.0					123	1	2	합성후	I	87.6
					0.0	0.0		361.8	-361.8	-605.2
102	1	2	합성후	I	187.7	703.2				
0.0	0.0		418.0	-418.0	-406.7				J	87.6
472.6					0.0	0.0		759.0	-759.0	2.6
				J	187.7	-3.0				
0.0	0.0		327.9	-327.9	-955.5					
1110.3					130	1	2	합성후	I	103.9
					0.0	0.0		149.5	-149.5	-619.8
103	1	2	합성후	I	276.5	720.2				
0.0	0.0		327.9	-327.9	-777.7				J	103.9
903.6					0.0	0.0		195.5	-195.5	-312.2
				J	276.5	362.8				
0.0	0.0		424.7	-424.7	-1265.9					
1470.9					131	1	2	합성후	I	60.2
					0.0	0.0		195.5	-195.5	-396.5
110	1	2	합성후	I	-55.1	460.7				
0.0	0.0		230.3	-230.3	-610.5				J	60.2
709.4					0.0	0.0		409.6	-409.6	-63.8
				J	-55.1	74.2				
0.0	0.0		214.0	-214.0	-902.9					
1049.1					136	1	1	합성후	I	1101.2
					0.0	0.0		-226.3	226.3	-1948.4
111	1	2	합성후	I	4.5	2142.8				
0.0	0.0		214.0	-214.0	-783.8				J	1101.2
910.7					0.0	0.0		39.8	-39.8	-2709.7
				J	4.5	2980.0				
0.0	0.0		344.5	-344.5	-1046.1					
1215.5					139	1	1	합성후	I	620.3
					0.0	0.0		-229.4	229.4	-1585.0
116	1	2	합성후	I	263.1	1743.1				
0.0	0.0		-145.7	145.7	-1309.1				J	620.3
1521.1					0.0	0.0		-1261.0	1261.0	-2079.5
				J	263.1	2287.0				
0.0	0.0		-31.5	31.5	-509.0					
591.4					143	1	1	합성후	I	159.7

0.0	0.0	-126.2	126.2	-1240.3				J	1458.4	
1364.0					0.0	0.0	243.4	-243.4	-3544.2	
			J	159.7	3897.9					
0.0	0.0	-740.9	740.9	-1512.4						
1663.4					168	1	1	합성후	I	782.8
					0.0	0.0	-38.7	38.7	-2181.5	
146	1	1	합성후	I	779.6	2399.2				
0.0	0.0	-334.5	334.5	-2437.1				J	782.8	
2680.3					0.0	0.0	-57.4	57.4	-2472.2	
			J	779.6	2718.9					
0.0	0.0	3.5	-3.5	-1543.8						
1697.8					169	1	1	합성후	I	836.0
					0.0	0.0	-57.4	57.4	-2381.8	
149	1	1	합성후	I	500.9	2619.5				
0.0	0.0	-338.8	338.8	-1787.9				J	836.0	
1966.3					0.0	0.0	-142.9	142.9	-2587.8	
			J	500.9	2846.0					
0.0	0.0	472.7	-472.7	-1192.4						
1311.4					170	1	1	합성후	I	873.0
					0.0	0.0	-142.9	142.9	-2524.7	
153	1	1	합성후	I	242.8	2776.6				
0.0	0.0	-233.6	233.6	-1161.0				J	873.0	
1276.9					0.0	0.0	-348.1	348.1	-2646.3	
			J	242.8	2910.4					
0.0	0.0	383.9	-383.9	-832.3						
915.3					171	1	1	합성후	I	893.0
					0.0	0.0	-348.1	348.1	-2611.9	
156	1	1	합성후	I	1312.0	2872.5				
0.0	0.0	-191.3	191.3	-2801.2				J	893.0	
3080.7					0.0	0.0	-806.8	806.8	-2646.7	
			J	1312.0	2910.8					
0.0	0.0	-530.8	530.8	-3234.1						
3556.8					184	1	1	합성후	I	284.7
					0.0	0.0	-152.1	152.1	-1581.6	
157	1	1	합성후	I	1389.8	1739.4				
0.0	0.0	-530.8	530.8	-3102.4				J	284.7	
3411.9					0.0	0.0	-175.8	175.8	-1722.2	
			J	1389.8	1894.0					
0.0	0.0	-583.5	583.5	-3411.9						
3752.3					185	1	1	합성후	I	316.0
					0.0	0.0	-175.8	175.8	-1669.1	
158	1	1	합성후	I	1438.3	1835.7				
0.0	0.0	-583.5	583.5	-3330.2				J	316.0	
3662.5					0.0	0.0	-227.4	227.4	-1770.3	
			J	1438.3	1946.9					
0.0	0.0	-372.6	372.6	-3515.7						
3866.5					186	1	1	합성후	I	340.6
					0.0	0.0	-227.4	227.4	-1728.0	
159	1	1	합성후	I	1458.4	1900.4				
0.0	0.0	-372.6	372.6	-3482.1				J	340.6	
3829.6					0.0	0.0	-331.1	331.1	-1790.6	

1969.3					210	1	1	합성후	I	784.7
					0.0	0.0		-121.7	121.7	-2467.5
187	1	1	합성후	I	359.5	2713.7				
0.0	0.0		-331.1	331.1	-1757.6				J	784.7
1933.0					0.0	0.0		-151.7	151.7	-2176.4
				J	359.5	2393.6				
0.0	0.0		-552.4	552.4	-1786.1					
1964.4					211	1	1	합성후	I	713.5
					0.0	0.0		-151.7	151.7	-2297.0
196	1	1	합성후	I	1404.4	2526.2				
0.0	0.0		-368.5	368.5	-3554.4				J	713.5
3909.1					0.0	0.0		-290.4	290.4	-1922.4
				J	1404.4	2114.3				
0.0	0.0		-612.6	612.6	-3355.9					
3690.7					224	1	1	합성후	I	376.9
					0.0	0.0		-327.6	327.6	-1748.1
197	1	1	합성후	I	1335.7	1922.5				
0.0	0.0		-612.6	612.6	-3473.8				J	376.9
3820.4					0.0	0.0		-256.6	256.6	-1698.6
				J	1335.7	1868.1				
0.0	0.0		-592.1	592.1	-3152.0					
3466.5					225	1	1	합성후	I	374.1
					0.0	0.0		-256.6	256.6	-1701.9
198	1	1	합성후	I	1238.0	1871.7				
0.0	0.0		-592.1	592.1	-3319.4				J	374.1
3650.6					0.0	0.0		-236.8	236.8	-1613.2
				J	1238.0	1774.2				
0.0	0.0		-297.3	297.3	-2874.6					
3161.5					226	1	1	합성후	I	364.5
					0.0	0.0		-236.8	236.8	-1627.6
199	1	1	합성후	I	1110.6	1790.0				
0.0	0.0		-297.3	297.3	-3092.5				J	364.5
3401.1					0.0	0.0		-256.5	256.5	-1499.0
				J	1110.6	1648.6				
0.0	0.0		446.4	-446.4	-2527.1					
2779.2					227	1	1	합성후	I	348.5
					0.0	0.0		-256.5	256.5	-1523.5
208	1	1	합성후	I	873.9	1675.5				
0.0	0.0		-324.5	324.5	-2644.2				J	348.5
2908.1					0.0	0.0		-352.6	352.6	-1361.0
				J	873.9	1496.8				
0.0	0.0		-168.0	168.0	-2522.3					
2773.9					236	1	5	합성후	I	-352.6
					-0.0	-1.5e+008		0.3	-0.3	2.0e+011
209	1	1	합성후	I	837.5	-2.0e+011				
0.0	0.0		-168.0	168.0	-2584.3				J	-352.6
2842.1					-0.0	1.5e+008		-0.3	0.3	2.0e+011
				J	837.5	-2.0e+011				
0.0	0.0		-121.7	121.7	-2377.9					
2615.2					237	1	5	합성후	I	-178.8
					-0.0	-6.3e+008		0.1	-0.1	3.5e+012

-3.5e+012						-0.0	7.1e+008	-0.2	0.2	4.4e+012
			J	-178.8		-4.4e+012				
-0.0	6.3e+008	-0.1	0.1	3.5e+012						
-3.5e+012						245	1	5	합성후	I
						-0.0	-7.1e+008		0.1	-2031.7
						-4.4e+012			-0.1	4.4e+012
238	1	5	합성후	I	-130.5					
-0.0	-6.3e+008	0.1	-0.1	3.5e+012					J	-2031.7
-3.5e+012						-0.0	7.1e+008	-0.1	0.1	4.4e+012
			J	-130.5		-4.4e+012				
-0.0	6.3e+008	-0.1	0.1	3.5e+012						
-3.5e+012						246	1	5	합성후	I
						-0.0	-7.1e+008		0.1	-2166.6
						-4.4e+012			-0.1	4.4e+012
239	1	5	합성후	I	-481.9					
-0.0	-6.3e+008	0.2	-0.2	3.5e+012					J	-2166.6
-3.5e+012						-0.0	7.1e+008	-0.1	0.1	4.4e+012
			J	-481.9		-4.4e+012				
-0.0	6.3e+008	-0.2	0.2	3.5e+012						
-3.5e+012						247	1	5	합성후	I
						-0.0	-7.1e+008		0.0	-2199.0
						-4.4e+012			-0.0	4.4e+012
240	1	5	합성후	I	-843.9					
-0.0	-7.9e+008	0.1	-0.1	5.5e+012					J	-2199.0
-5.5e+012						-0.0	7.1e+008	-0.0	0.0	4.4e+012
			J	-843.9		-4.4e+012				
-0.0	7.9e+008	-0.1	0.1	5.5e+012						
-5.5e+012						248	1	5	합성후	I
						0.0	-7.1e+008	-0.0	0.0	4.4e+012
						-4.4e+012				
241	1	5	합성후	I	-1158.9					
-0.0	-7.9e+008	0.1	-0.1	5.5e+012					J	-2132.7
-5.5e+012						0.0	7.1e+008	0.0	-0.0	4.4e+012
			J	-1158.9		-4.4e+012				
-0.0	7.9e+008	-0.1	0.1	5.5e+012						
-5.5e+012						249	1	5	합성후	I
						0.0	-7.1e+008	-0.1	0.1	4.4e+012
						-4.4e+012				
242	1	5	합성후	I	-1452.1					
-0.0	-7.1e+008	0.2	-0.2	4.4e+012					J	-2060.6
-4.4e+012						0.0	7.1e+008	0.1	-0.1	4.4e+012
			J	-1452.1		-4.4e+012				
-0.0	7.1e+008	-0.2	0.2	4.4e+012						
-4.4e+012						250	1	5	합성후	I
						0.0	-7.1e+008	-0.1	0.1	4.4e+012
						-4.4e+012				
243	1	5	합성후	I	-1674.7					
-0.0	-7.1e+008	0.2	-0.2	4.4e+012					J	-1917.6
-4.4e+012						0.0	7.1e+008	0.1	-0.1	4.4e+012
			J	-1674.7		-4.4e+012				
-0.0	7.1e+008	-0.2	0.2	4.4e+012						
-4.4e+012						251	1	5	합성후	I
						0.0	-7.1e+008	-0.1	0.1	4.4e+012
						-4.4e+012				
244	1	5	합성후	I	-1888.8					
-0.0	-7.1e+008	0.2	-0.2	4.4e+012					J	-1762.6
-4.4e+012						0.0	7.1e+008	0.1	-0.1	4.4e+012
			J	-1888.8		-4.4e+012				

						BEAM ELEMENT STRESSES MIN/MAX SUMMARY					
						BY PROPERTY PRINTOUT				Unit System	
252	1	5	합성후	I	-1542.7						
0.0	-7.9e+008		-0.1	0.1	5.5e+012	: kN , m					
-5.5e+012											
						J	-1542.7	-----			
0.0	7.9e+008		0.1	-0.1	5.5e+012	-----					
-5.5e+012											
						[SECTION NAME : ps중앙 , SECTION ID : 1]					
253	1	5	합성후	I	-1291.7						
0.0	-7.9e+008		-0.2	0.2	5.5e+012						
-5.5e+012											
						J	-1291.7				
0.0	7.9e+008		0.2	-0.2	5.5e+012	** MAX					
-5.5e+012											
						ELEM COM	LC	PT	AXIAL		
254	1	5	합성후	I	-959.7	SHEAR-y	SHEAR-Z	(+y)-BENDING-	(-y)		
0.0	-6.3e+008		-0.3	0.3	3.5e+012	(+:)-BENDING-(-:)					
-3.5e+012											
						J	-959.7	-----			
0.0	6.3e+008		0.3	-0.3	3.5e+012	-----					
-3.5e+012						-----					
						159	AXL	합성후	1	J	1458.4
255	1	5	합성후	I	-489.5	0.0	0.0	243.4	-243.4		-3544.2
0.0	-6.3e+008		-0.3	0.3	3.5e+012	3897.9					
-3.5e+012											
						3	SHY	합성후	1	I	92.3
				J	-489.5	0.0	0.0	466.1	-466.1		-1035.3
0.0	6.3e+008		0.3	-0.3	3.5e+012	1138.6					
-3.5e+012											
						3	SHZ	합성후	1	I	92.3
						0.0	0.0	466.1	-466.1		-1035.3
256	1	5	합성후	I	-121.9	1138.6					
0.0	-6.3e+008		-0.2	0.2	3.5e+012	20 BY+ 합성후 1 I 1204.2					
-3.5e+012						0.0 0.0 629.0 -629.0 -2429.7					
						J -121.9 2672.2					
0.0	6.3e+008		0.2	-0.2	3.5e+012	14 BY- 합성후 1 I 622.9					
-3.5e+012						0.0 0.0 -1343.6 1343.6 -2072.6					
						2279.4					
257	1	5	합성후	I	77.3	153 BZ+ 합성후 1 J 242.8					
-0.0	-1.5e+008		1.4	-1.4	2.0e+011	0.0 0.0 383.9 -383.9 -832.3					
-2.0e+011						915.3					
						J 77.3 21 BZ- 합성후 1 I 1444.7					
-0.0	1.5e+008		-1.4	1.4	2.0e+011	0.0 0.0 292.9 -292.9 -3560.6					
-2.0e+011						3915.8					
						** MIN					

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

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-----
      3 AXL      합성후      1      J      92.3
0.0      0.0      -126.2      126.2      -1355.1
1490.3
      3 SHY      합성후      1      I      92.3
0.0      0.0      466.1      -466.1      -1035.3
1138.6
      3 SHZ      합성후      1      I      92.3
0.0      0.0      466.1      -466.1      -1035.3
1138.6
      14 BY+      합성후      1      I      622.9
0.0      0.0      -1343.6      1343.6      -2072.6
2279.4
      20 BY-      합성후      1      I      1204.2
0.0      0.0      629.0      -629.0      -2429.7
2672.2
      21 BZ+      합성후      1      I      1444.7
0.0      0.0      292.9      -292.9      -3560.6
3915.8
      153 BZ-      합성후      1      J      242.8
0.0      0.0      383.9      -383.9      -832.3
915.3

[ SECTION NAME : ps단2 , SECTION ID : 2 ]

** MAX

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

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-----
-----
      97 AXL      합성후      1      J      549.1
0.0      0.0      61.5      -61.5      -1503.5
1747.0
      2 SHY      합성후      1      I      -148.8
0.0      0.0      430.7      -430.7      -486.5
565.3
      2 SHZ      합성후      1      I      -148.8
0.0      0.0      430.7      -430.7      -486.5
565.3
      123 BY+      합성후      1      J      87.6
0.0      0.0      759.0      -759.0      2.6
-3.0
      116 BY-      합성후      1      I      263.1
0.0      0.0      -145.7      145.7      -1309.1

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1521.1
      18 BZ+      합성후      1      I      309.0
0.0      0.0      446.4      -446.4      486.4
-565.2
      23 BZ-      합성후      1      I      422.0
0.0      0.0      2.6      -2.6      -1710.5
1987.6

** MIN

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

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-----
      2 AXL      합성후      1      J      -148.8
0.0      0.0      230.3      -230.3      -799.6
929.1
      2 SHY      합성후      1      I      -148.8
0.0      0.0      430.7      -430.7      -486.5
565.3
      2 SHZ      합성후      1      I      -148.8
0.0      0.0      430.7      -430.7      -486.5
565.3
      116 BY+      합성후      1      I      263.1
0.0      0.0      -145.7      145.7      -1309.1
1521.1
      123 BY-      합성후      1      J      87.6
0.0      0.0      759.0      -759.0      2.6
-3.0
      23 BZ+      합성후      1      I      422.0
0.0      0.0      2.6      -2.6      -1710.5
1987.6
      18 BZ-      합성후      1      I      309.0
0.0      0.0      446.4      -446.4      486.4
-565.2

[ SECTION NAME : ps단1 , SECTION ID : 3 ]

** MAX

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

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35 SHY	합성후	1	I	3.4	-0.0	-1.5e+008	0.3	-0.3	2.0e+011
-132.0	-22.5	-830.6	830.6	191.7	-2.0e+011				
-191.7									
34 SHZ	합성후	1	I	-31.3	** MIN				
-104.1	-54.2	1418.3	-1418.3	317.3					
-317.3									
39 BY+	합성후	1	J	-195.2	ELEM COM	LC	PT	AXIAL	
-123.1	329.5	-1739.8	1739.8	1031.8	SHEAR-y	SHEAR-Z	(+y)-BENDING-(-y)		
-1031.8					(+z)-BENDING-(-z)				
27 BY-	합성후	1	J	-187.0	-----	---	-----	---	-----
126.5	311.8	1789.1	-1789.1	978.7	-----	-----	-----	-----	
-978.7					-----	-----			
37 BZ+	합성후	1	I	37.9	247 AXL	합성후	1	I	-2199.0
-105.0	269.2	1444.7	-1444.7	-654.1	-0.0	-7.1e+008	0.0	-0.0	4.4e+012
654.1					-4.4e+012				
39 BZ-	합성후	1	J	-195.2	257 SHY	합성후	1	I	77.3
-123.1	329.5	-1739.8	1739.8	1031.8	-0.0	-1.5e+008	1.4	-1.4	2.0e+011
-1031.8					-2.0e+011				
					253 SHZ	합성후	1	I	-1291.7
					0.0	-7.9e+008	-0.2	0.2	5.5e+012
					-5.5e+012				
[SECTION NAME : tem , SECTION ID : 5 ,					257 BY+	합성후	1	J	77.3
SECTION SHAPE : SB]					-0.0	1.5e+008	-1.4	1.4	2.0e+011
[SECTION SIZE] H:0.0001 B:0.0001					-2.0e+011				
** MAX					257 BY-	합성후	1	I	77.3
					-0.0	-1.5e+008	1.4	-1.4	2.0e+011
					-2.0e+011				
ELEM COM	LC	PT	AXIAL		236 BZ+	합성후	1	I	-352.6
SHEAR-y	SHEAR-Z	(+y)-BENDING-(-y)			-0.0	-1.5e+008	0.3	-0.3	2.0e+011
(+z)-BENDING-(-z)					-2.0e+011				
-----	---	-----	---	-----	253 BZ-	합성후	1	I	-1291.7
-----	-----	-----	-----		0.0	-7.9e+008	-0.2	0.2	5.5e+012
-----	-----				-5.5e+012				
257 AXL	합성후	1	I	77.3					
-0.0	-1.5e+008	1.4	-1.4	2.0e+011					
-2.0e+011									
254 SHY	합성후	1	I	-959.7					
0.0	-6.3e+008	-0.3	0.3	3.5e+012					
-3.5e+012									
240 SHZ	합성후	1	J	-843.9					
-0.0	7.9e+008	-0.1	0.1	5.5e+012					
-5.5e+012									
257 BY+	합성후	1	I	77.3					
-0.0	-1.5e+008	1.4	-1.4	2.0e+011					
-2.0e+011									
257 BY-	합성후	1	J	77.3					
-0.0	1.5e+008	-1.4	1.4	2.0e+011					
-2.0e+011									
253 BZ+	합성후	1	I	-1291.7					
0.0	-7.9e+008	-0.2	0.2	5.5e+012					
-5.5e+012									
236 BZ-	합성후	1	I	-352.6					