

■상상진IC1교-대구방향

1) 합성 전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=H

FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.450 Y=0.000 Z=0.087
3 X= 9.450 Y=0.000 Z=0.184
4 X= 14.450 Y=0.000 Z=0.282
5 X= 19.450 Y=0.000 Z=0.379
6 X= 24.450 Y=0.000 Z=0.477
7 X= 29.450 Y=0.000 Z=0.574
8 X= 34.450 Y=0.000 Z=0.672
9 X= 39.450 Y=0.000 Z=0.769
10 X= 44.450 Y=0.000 Z=0.867
11 X= 49.450 Y=0.000 Z=0.964
12 X= 54.450 Y=0.000 Z=1.062
13 X= 59.450 Y=0.000 Z=1.159
14 X= 64.450 Y=0.000 Z=1.257
15 X= 69.450 Y=0.000 Z=1.354
16 X= 74.450 Y=0.000 Z=1.452
17 X= 79.450 Y=0.000 Z=1.549
18 X= 84.450 Y=0.000 Z=1.647
19 X= 89.450 Y=0.000 Z=1.744
20 X= 94.450 Y=0.000 Z=1.842
21 X= 99.450 Y=0.000 Z=1.939
22 X= 104.450 Y=0.000 Z=2.037
23 X= 109.450 Y=0.000 Z=2.134
24 X= 114.450 Y=0.000 Z=2.232
25 X= 119.450 Y=0.000 Z=2.329
26 X= 124.450 Y=0.000 Z=2.427
27 X= 128.900 Y=0.000 Z=2.514
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.450 Y=-5.000 Z=-0.013
30 X= 9.450 Y=-5.000 Z=0.084
31 X= 14.450 Y=-5.000 Z=0.182
32 X= 19.450 Y=-5.000 Z=0.279
33 X= 24.450 Y=-5.000 Z=0.377
34 X= 29.450 Y=-5.000 Z=0.474
35 X= 34.450 Y=-5.000 Z=0.572
36 X= 39.450 Y=-5.000 Z=0.669
37 X= 44.450 Y=-5.000 Z=0.767
38 X= 49.450 Y=-5.000 Z=0.864
39 X= 54.450 Y=-5.000 Z=0.962
40 X= 59.450 Y=-5.000 Z=1.059
41 X= 64.450 Y=-5.000 Z=1.157
42 X= 69.450 Y=-5.000 Z=1.254
43 X= 74.450 Y=-5.000 Z=1.352
44 X= 79.450 Y=-5.000 Z=1.449
45 X= 84.450 Y=-5.000 Z=1.547
46 X= 89.450 Y=-5.000 Z=1.644
47 X= 94.450 Y=-5.000 Z=1.742
48 X= 99.450 Y=-5.000 Z=1.839
49 X= 104.450 Y=-5.000 Z=1.937
50 X= 109.450 Y=-5.000 Z=2.034
51 X= 114.450 Y=-5.000 Z=2.132
52 X= 119.450 Y=-5.000 Z=2.229
53 X= 124.450 Y=-5.000 Z=2.327
54 X= 128.900 Y=-5.000 Z=2.414
55 X= 0.000 Y=0.000 Z=-0.900
56 X= 0.000 Y=1.122 Z=-0.900
57 X= 0.000 Y=-1.122 Z=-0.900
58 X= 39.450 Y=0.000 Z=-0.231
59 X= 39.450 Y=1.122 Z=-0.231
60 X= 39.450 Y=-1.122 Z=-0.231
61 X= 89.450 Y=0.000 Z=0.744
62 X= 89.450 Y=1.122 Z=0.744
63 X= 89.450 Y=-1.122 Z=0.744
64 X= 128.900 Y=0.000 Z=1.614

65 X= 128.900 Y=1.122 Z=1.614
66 X= 128.900 Y=-1.122 Z=1.614
67 X= 0.000 Y=-5.000 Z=-1.000
68 X= 0.000 Y=-3.878 Z=-1.000
69 X= 0.000 Y=-6.122 Z=-1.000
70 X= 39.450 Y=-5.000 Z=-0.331
71 X= 39.450 Y=-3.878 Z=-0.331
72 X= 39.450 Y=-6.122 Z=-0.331
73 X= 89.450 Y=-5.000 Z=0.644
74 X= 89.450 Y=-3.878 Z=0.644
75 X= 89.450 Y=-6.122 Z=0.644
76 X= 128.900 Y=-5.000 Z=1.514
77 X= 128.900 Y=-3.878 Z=1.514
78 X= 128.900 Y=-6.122 Z=1.514

LOCAL

ADD= 56 ANG=0.000
ADD= 57 ANG=0.000
ADD= 59 ANG=0.000
ADD= 60 ANG=0.000
ADD= 62 ANG=0.000
ADD= 63 ANG=0.000
ADD= 65 ANG=0.000
ADD= 66 ANG=0.000
ADD= 68 ANG=0.000
ADD= 69 ANG=0.000
ADD= 71 ANG=0.000
ADD= 72 ANG=0.000
ADD= 74 ANG=0.000
ADD= 75 ANG=0.000
ADD= 77 ANG=0.000
ADD= 78 ANG=0.000

RESTRAINT

ADD= 56 DOF= U2, U3,
ADD= 57 DOF= U2, U3,
ADD= 59 DOF= U1, U2, U3,
ADD= 60 DOF= U1, U2, U3,
ADD= 62 DOF= U1, U2, U3,
ADD= 63 DOF= U1, U2, U3,
ADD= 65 DOF= U2, U3,
ADD= 66 DOF= U2, U3,
ADD= 68 DOF= U2, U3,
ADD= 69 DOF= U2, U3,
ADD= 71 DOF= U1, U2, U3,
ADD= 72 DOF= U1, U2, U3,
ADD= 74 DOF= U1, U2, U3,
ADD= 75 DOF= U1, U2, U3,
ADD= 77 DOF= U2, U3,
ADD= 78 DOF= U2, U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11

- 1 -

- 2 -

E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.12820 I=0.07804002, 0.16318056 J=0.13150026 : GIRDER
Name= 2 Mat= 2 A=0.13300 I=0.09819570, 0.17406719 J=0.15640012 : GIRDER
Name= 3 Mat= 3 A=0.13940 I=0.10517909, 0.17952852 J=0.16538303 : GIRDER
Name= 4 Mat= 4 A=0.15220 I=0.11828939, 0.19045119 J=0.18343261 : GIRDER
Name= 5 Mat= 5 A=0.16050 I=0.12524155, 0.19631354 J=0.18343261 : GIRDER
Name= 6 Mat= 6 A=0.18420 I=0.13960642, 0.21775786 J=0.20731191 : GIRDER
Name= 7 Mat= 7 A=0.21620 I=0.18367749, 0.24506452 J=0.24769522 : GIRDER
Name= 8 Mat= 8 A=0.15220 I=0.11696549, 0.19045119 J=0.18343261 : GIRDER
Name= 9 Mat= 9 A=0.02040 I=0.00355687, 0.00005416 J=0.00000096 : CROSSBEAM
Name= 10 Mat= 10 A=0.02160 I=0.00437219, 0.00005417 J=0.00000104 : CROSSBEAM
Name= 11 Mat= 11 A=10.0000000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 12 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 13 Type=Nonpr Sec= 2, 1
Name= 14 Type=Nonpr Sec= 2, 3
Name= 15 Type=Nonpr Sec= 2, 5
Name= 16 Type=Nonpr Sec= 3, 2
Name= 17 Type=Nonpr Sec= 3, 4
Name= 18 Type=Nonpr Sec= 4, 3
Name= 19 Type=Nonpr Sec= 4, 5
Name= 20 Type=Nonpr Sec= 5, 2
Name= 21 Type=Nonpr Sec= 5, 4
Name= 22 Type=Nonpr Sec= 5, 6
Name= 23 Type=Nonpr Sec= 5, 8
Name= 24 Type=Nonpr Sec= 6, 5
Name= 25 Type=Nonpr Sec= 6, 7
Name= 26 Type=Nonpr Sec= 7, 6
Name= 27 Type=Nonpr Sec= 7, 8
Name= 28 Type=Nonpr Sec= 8, 5
Name= 29 Type=Nonpr Sec= 8, 7

FRAME

1 J= 1, 2 Sec=12 Local=12 Pdir=Z, X NSEG=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=14
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=17
6 J= 6, 7 Sec=19
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=25
9 J= 9, 10 Sec= 7
10 J= 10, 11 Sec=27
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec=20
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=15
16 J= 16, 17 Sec=23
17 J= 17, 18 Sec=29
18 J= 18, 19 Sec= 7
19 J= 19, 20 Sec=26
20 J= 20, 21 Sec=24
21 J= 21, 22 Sec=21
22 J= 22, 23 Sec=18
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=16
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=13
27 J= 28, 29 Sec=12
28 J= 29, 30 Sec= 2
29 J= 30, 31 Sec=14
30 J= 31, 32 Sec= 3
31 J= 32, 33 Sec=17
32 J= 33, 34 Sec=19
33 J= 34, 35 Sec=22
34 J= 35, 36 Sec=25
35 J= 36, 37 Sec= 7
36 J= 37, 38 Sec=27
37 J= 38, 39 Sec=29
38 J= 39, 40 Sec=20
39 J= 40, 41 Sec= 2

40 J= 41, 42 Sec= 2
41 J= 42, 43 Sec=15
42 J= 43, 44 Sec=23
43 J= 44, 45 Sec=29
44 J= 45, 46 Sec= 7
45 J= 46, 47 Sec=26
46 J= 47, 48 Sec=24
47 J= 48, 49 Sec=21
48 J= 49, 50 Sec=18
49 J= 50, 51 Sec= 3
50 J= 51, 52 Sec=16
51 J= 52, 53 Sec= 2
52 J= 53, 54 Sec=13
53 J= 1, 28 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
54 J= 2, 29 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
55 J= 3, 30 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
56 J= 4, 31 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
57 J= 5, 32 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
58 J= 6, 33 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
59 J= 7, 34 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
60 J= 8, 35 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
61 J= 9, 36 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
62 J= 10, 37 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
63 J= 11, 38 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
64 J= 12, 39 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
65 J= 13, 40 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
66 J= 14, 41 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
67 J= 15, 42 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
68 J= 16, 43 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
69 J= 17, 44 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
70 J= 18, 45 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
71 J= 19, 46 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
72 J= 20, 47 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
73 J= 21, 48 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
74 J= 22, 49 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
75 J= 23, 50 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
76 J= 24, 51 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
77 J= 25, 52 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
78 J= 26, 53 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
79 J= 27, 54 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
80 J= 1, 55 Sec=11
81 J= 56, 55 Sec=11
82 J= 57, 55 Sec=11
83 J= 9, 58 Sec=11
84 J= 59, 58 Sec=11
85 J= 60, 58 Sec=11
86 J= 19, 61 Sec=11
87 J= 62, 61 Sec=11
88 J= 63, 61 Sec=11
89 J= 27, 64 Sec=11
90 J= 65, 64 Sec=11
91 J= 66, 64 Sec=11
92 J= 28, 67 Sec=11
93 J= 68, 67 Sec=11
94 J= 69, 67 Sec=11
95 J= 36, 70 Sec=11
96 J= 71, 70 Sec=11
97 J= 72, 70 Sec=11
98 J= 46, 73 Sec=11
99 J= 74, 73 Sec=11
100 J= 75, 73 Sec=11
101 J= 54, 76 Sec=11
102 J= 77, 76 Sec=11
103 J= 78, 76 Sec=11

LOAD

Name=STEEL : STEEL SELF-WEIGHT LOAD
Type=Distributed Span
Add= 1 RD=0.000, 1.000 Uzp=-16.321, -16.932
Add= 2 RD=0.000, 1.000 Uzp=-16.932, -16.932
Add= 3 RD=0.000, 1.000 Uzp=-16.932, -17.746
Add= 4 RD=0.000, 1.000 Uzp=-17.746, -17.746
Add= 5 RD=0.000, 1.000 Uzp=-17.746, -19.376

- 3 -

- 4 -

Add= 6 RD=0.000, 1.000 Uzp=-19.376, -20.445
Add= 7 RD=0.000, 1.000 Uzp=-20.445, -23.450
Add= 8 RD=0.000, 1.000 Uzp=-23.450, -27.524
Add= 9 RD=0.000, 1.000 Uzp=-27.524, -27.524
Add= 10 RD=0.000, 1.000 Uzp=-27.524, -19.376
Add= 11 RD=0.000, 1.000 Uzp=-19.376, -20.445
Add= 12 RD=0.000, 1.000 Uzp=-20.445, -16.932
Add= 13 RD=0.000, 1.000 Uzp=-16.932, -16.932
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Add= 77 RD=0.000, 1.000 Uzp=-2.750, -2.750
Add= 78 RD=0.000, 1.000 Uzp=-2.750, -2.750

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Add= 64 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 65 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 66 RD=0.300, 0.700 Uzp=-0.796, -0.796
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Add= 69 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 70 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 71 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 72 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 73 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 74 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 75 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 76 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 77 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 78 RD=0.300, 0.700 Uzp=-0.796, -0.796

COMBO
Name=STEEL Type=ADD :
LOAD=STEEL sf=1.000

Name=CONC Type=ADD :
LOAD=CONC sf=1.000
LOAD=CR-HUNCH sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=** COMB=**
ELEM=FRAME TYPE=FORCE LOAD=** COMB=**

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Add= 79 RD=0.000, 1.000 Uzp=-2.597, -2.597

Name=CONC : SLAB SELF-WEIGHT LOAD
Type=Distributed Span
Add= 1 RD=0.000, 0.461 Uzp=-80.307, -80.307 R1=-51.981, -51.981
Add= 1 RD=0.461, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 2 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 3 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 4 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 5 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 6 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 7 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 8 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
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Add= 11 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 12 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
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Add= 14 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
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Add= 19 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 20 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 21 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 22 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 23 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 24 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 25 RD=0.000, 1.000 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 26 RD=0.000, 0.539 Uzp=-49.164, -49.164 R1=-37.026, -37.026
Add= 26 RD=0.539, 1.000 Uzp=-80.307, -80.307 R1=-51.981, -51.981
Add= 27 RD=0.000, 0.461 Uzp=-80.418, -80.418 R1=47.238, 47.238
Add= 27 RD=0.461, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 28 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 29 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 30 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 31 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 32 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 33 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 34 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 35 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 36 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 37 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 38 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 39 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 40 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 41 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 42 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 43 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 44 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 45 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 46 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 47 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 48 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 49 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 50 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 51 RD=0.000, 1.000 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 52 RD=0.000, 0.539 Uzp=-48.368, -48.368 R1=27.709, 27.709
Add= 52 RD=0.539, 1.000 Uzp=-80.418, -80.418 R1=47.238, 47.238

Name=CR-HUNCH : CROSSBEAM HUNCH SELF-WEIGHT LOAD
Type=Distributed Span
Add= 54 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 55 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 56 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 57 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 58 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 59 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 60 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 61 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 62 RD=0.300, 0.700 Uzp=-0.796, -0.796
Add= 63 RD=0.300, 0.700 Uzp=-0.796, -0.796

2 합성 후
< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM	LENGTH=M	FORCE=KN
JOINT		
1	X= 0.000 Y=0.000 Z=0.000	
2	X= 4.450 Y=0.000 Z=0.087	
3	X= 9.450 Y=0.000 Z=0.184	
4	X= 14.450 Y=0.000 Z=0.282	
5	X= 19.450 Y=0.000 Z=0.379	
6	X= 24.450 Y=0.000 Z=0.477	
7	X= 29.450 Y=0.000 Z=0.574	
8	X= 34.450 Y=0.000 Z=0.672	
9	X= 39.450 Y=0.000 Z=0.769	
10	X= 44.450 Y=0.000 Z=0.867	
11	X= 49.450 Y=0.000 Z=0.964	
12	X= 54.450 Y=0.000 Z=1.062	
13	X= 59.450 Y=0.000 Z=1.159	
14	X= 64.450 Y=0.000 Z=1.257	
15	X= 69.450 Y=0.000 Z=1.354	
16	X= 74.450 Y=0.000 Z=1.452	
17	X= 79.450 Y=0.000 Z=1.549	
18	X= 84.450 Y=0.000 Z=1.647	
19	X= 89.450 Y=0.000 Z=1.744	
20	X= 94.450 Y=0.000 Z=1.842	
21	X= 99.450 Y=0.000 Z=1.939	
22	X= 104.450 Y=0.000 Z=2.037	
23	X= 109.450 Y=0.000 Z=2.134	
24	X= 114.450 Y=0.000 Z=2.232	
25	X= 119.450 Y=0.000 Z=2.329	
26	X= 124.450 Y=0.000 Z=2.427	
27	X= 128.900 Y=0.000 Z=2.514	
28	X= 0.000 Y=-5.000 Z=-0.100	
29	X= 4.450 Y=-5.000 Z=-0.013	
30	X= 9.450 Y=-5.000 Z=0.084	
31	X= 14.450 Y=-5.000 Z=0.182	
32	X= 19.450 Y=-5.000 Z=0.279	
33	X= 24.450 Y=-5.000 Z=0.377	
34	X= 29.450 Y=-5.000 Z=0.474	
35	X= 34.450 Y=-5.000 Z=0.572	
36	X= 39.450 Y=-5.000 Z=0.669	
37	X= 44.450 Y=-5.000 Z=0.767	
38	X= 49.450 Y=-5.000 Z=0.864	
39	X= 54.450 Y=-5.000 Z=0.962	
40	X= 59.450 Y=-5.000 Z=1.059	
41	X= 64.450 Y=-5.000 Z=1.157	
42	X= 69.450 Y=-5.000 Z=1.254	
43	X= 74.450 Y=-5.000 Z=1.352	
44	X= 79.450 Y=-5.000 Z=1.449	
45	X= 84.450 Y=-5.000 Z=1.547	
46	X= 89.450 Y=-5.000 Z=1.644	
47	X= 94.450 Y=-5.000 Z=1.742	
48	X= 99.450 Y=-5.000 Z=1.839	
49	X= 104.450 Y=-5.000 Z=1.937	
50	X= 109.450 Y=-5.000 Z=2.034	
51	X= 114.450 Y=-5.000 Z=2.132	
52	X= 119.450 Y=-5.000 Z=2.229	
53	X= 124.450 Y=-5.000 Z=2.327	
54	X= 128.900 Y=-5.000 Z=2.414	
55	X= 0.000 Y=0.000 Z=-0.900	
56	X= 0.000 Y=1.122 Z=-0.900	
57	X= 0.000 Y=-1.122 Z=-0.900	
58	X= 39.450 Y=0.000 Z=-0.231	
59	X= 39.450 Y=1.122 Z=-0.231	
60	X= 39.450 Y=-1.122 Z=-0.231	
61	X= 89.450 Y=0.000 Z=0.744	
62	X= 89.450 Y=1.122 Z=0.744	
63	X= 89.450 Y=-1.122 Z=0.744	
64	X= 128.900 Y=0.000 Z=1.614	
65	X= 128.900 Y=1.122 Z=1.614	
66	X= 128.900 Y=-1.122 Z=1.614	

- 8 -

67 X= 0.000 Y=-5.000 Z=-1.000
68 X= 0.000 Y=-3.878 Z=-1.000
69 X= 0.000 Y=-6.122 Z=-1.000
70 X= 39.450 Y=-5.000 Z=-0.331
71 X= 39.450 Y=-3.878 Z=-0.331
72 X= 39.450 Y=-6.122 Z=-0.331
73 X= 89.450 Y=-5.000 Z=0.644
74 X= 89.450 Y=-3.878 Z=0.644
75 X= 89.450 Y=-6.122 Z=0.644
76 X= 128.900 Y=-5.000 Z=1.514
77 X= 128.900 Y=-3.878 Z=1.514
78 X= 128.900 Y=-6.122 Z=1.514

LOCAL

ADD= 56 ANG=0.000
ADD= 57 ANG=0.000
ADD= 59 ANG=0.000
ADD= 60 ANG=0.000
ADD= 62 ANG=0.000
ADD= 63 ANG=0.000
ADD= 65 ANG=0.000
ADD= 66 ANG=0.000
ADD= 68 ANG=0.000
ADD= 69 ANG=0.000
ADD= 71 ANG=0.000
ADD= 72 ANG=0.000
ADD= 74 ANG=0.000
ADD= 75 ANG=0.000
ADD= 77 ANG=0.000
ADD= 78 ANG=0.000

RESTRAINT

ADD= 56 DOF= U2, U3,
ADD= 57 DOF= U2, U3,
ADD= 59 DOF= U1, U2, U3,
ADD= 60 DOF= U1, U2, U3,
ADD= 62 DOF= U1, U2, U3,
ADD= 63 DOF= U1, U2, U3,
ADD= 65 DOF= U2, U3,
ADD= 66 DOF= U2, U3,
ADD= 68 DOF= U2, U3,
ADD= 69 DOF= U2, U3,
ADD= 71 DOF= U1, U2, U3,
ADD= 72 DOF= U1, U2, U3,
ADD= 74 DOF= U1, U2, U3,
ADD= 75 DOF= U1, U2, U3,
ADD= 77 DOF= U2, U3,
ADD= 78 DOF= U2, U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008

42 J= 43, 44 Sec=23
43 J= 44, 45 Sec=29
44 J= 45, 46 Sec= 7
45 J= 46, 47 Sec=26
46 J= 47, 48 Sec=24
47 J= 48, 49 Sec=21
48 J= 49, 50 Sec=18
49 J= 50, 51 Sec= 3
50 J= 51, 52 Sec=16
51 J= 52, 53 Sec= 2
52 J= 53, 54 Sec=13
53 J= 1, 28 Sec= 9 IOFF=1.500 JOFF=1.500 RIGID=1.0
54 J= 2, 29 Sec= 9 IOFF=1.500 JOFF=1.500 RIGID=1.0
55 J= 3, 30 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
56 J= 4, 31 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
57 J= 5, 32 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
58 J= 6, 33 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
59 J= 7, 34 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
60 J= 8, 35 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
61 J= 9, 36 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
62 J= 10, 37 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
63 J= 11, 38 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
64 J= 12, 39 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
65 J= 13, 40 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
66 J= 14, 41 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
67 J= 15, 42 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
68 J= 16, 43 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
69 J= 17, 44 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
70 J= 18, 45 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
71 J= 19, 46 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
72 J= 20, 47 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
73 J= 21, 48 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
74 J= 22, 49 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
75 J= 23, 50 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
76 J= 24, 51 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
77 J= 25, 52 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
78 J= 26, 53 Sec=10 IOFF=1.500 JOFF=1.500 RIGID=1.0
79 J= 27, 54 Sec= 9 IOFF=1.500 JOFF=1.500 RIGID=1.0
80 J= 1, 55 Sec=11
81 J= 56, 59 Sec=11
82 J= 57, 59 Sec=11
83 J= 9, 58 Sec=11
84 J= 59, 58 Sec=11
85 J= 60, 58 Sec=11
86 J= 19, 61 Sec=11
87 J= 62, 61 Sec=11
88 J= 63, 61 Sec=11
89 J= 27, 64 Sec=11
90 J= 65, 64 Sec=11
91 J= 66, 64 Sec=11
92 J= 28, 67 Sec=11
93 J= 68, 67 Sec=11
94 J= 69, 67 Sec=11
95 J= 36, 70 Sec=11
96 J= 71, 70 Sec=11
97 J= 72, 70 Sec=11
98 J= 46, 73 Sec=11
99 J= 74, 73 Sec=11
100 J= 75, 73 Sec=11
101 J= 54, 76 Sec=11
102 J= 77, 76 Sec=11
103 J= 78, 76 Sec=11

LOAD

Name=AFTER : AFTER SELF-WEIGHT LOAD (부속시설하중 포함)

Type=Distributed Span

ADD= 1 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 2 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 3 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 4 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 5 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 6 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 7 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 8 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 9 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 10 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477

FRAME SECTION

Name= 1 Mat= 1 A=0.35003 I=0.16388058 0.93121312 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.35483 I=0.20301584 0.94290325 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.36123 I=0.22265505 0.94940269 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.37403 I=0.24228270 0.96229501 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.38243 I=0.26400081 0.96937828 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.40603 I=0.34638948 0.93336218 J=0.26448413 : GIRDER
Name= 7 Mat= 7 A=0.43803 I=0.35351613 1.02502989 J=0.29157516 : GIRDER
Name= 8 Mat= 8 A=0.37403 I=0.26340274 0.96229501 J=0.24236602 : GIRDER
Name= 9 Mat= 9 A=0.02040 I=0.00355687 0.00005416 J=0.04000098 : CROSSBEAM
Name= 10 Mat= 10 A=0.02160 I=0.00437219 0.00005417 J=0.00000104 : CROSSBEAM
Name= 11 Mat= 11 A=10.00000 I=10.00000000 10.00000000 J=10.00000000 : SHOE
Name= 12 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 13 Type=Nonpr Sec= 2, 1
Name= 14 Type=Nonpr Sec= 2, 3
Name= 15 Type=Nonpr Sec= 2, 5
Name= 16 Type=Nonpr Sec= 3, 2
Name= 17 Type=Nonpr Sec= 3, 4
Name= 18 Type=Nonpr Sec= 4, 3
Name= 19 Type=Nonpr Sec= 4, 5
Name= 20 Type=Nonpr Sec= 5, 2
Name= 21 Type=Nonpr Sec= 5, 4
Name= 22 Type=Nonpr Sec= 5, 6
Name= 23 Type=Nonpr Sec= 5, 8
Name= 24 Type=Nonpr Sec= 6, 5
Name= 25 Type=Nonpr Sec= 6, 7
Name= 26 Type=Nonpr Sec= 7, 6
Name= 27 Type=Nonpr Sec= 7, 8
Name= 28 Type=Nonpr Sec= 8, 5
Name= 29 Type=Nonpr Sec= 8, 7

FRAME

1 J= 1, 2 Sec=12 Local=12 Pdir=+Z, +X NSEG=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=14
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=17
6 J= 6, 7 Sec=19
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=25
9 J= 9, 10 Sec= 7
10 J= 10, 11 Sec=27
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec=20
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=15
16 J= 16, 17 Sec=23
17 J= 17, 18 Sec=29
18 J= 18, 19 Sec= 7
19 J= 19, 20 Sec=26
20 J= 20, 21 Sec=24
21 J= 21, 22 Sec=21
22 J= 22, 23 Sec=18
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=16
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=13
27 J= 28, 29 Sec=12
28 J= 29, 30 Sec= 2
29 J= 30, 31 Sec=14
30 J= 31, 32 Sec= 3
31 J= 32, 33 Sec=17
32 J= 33, 34 Sec=19
33 J= 34, 35 Sec=22
34 J= 35, 36 Sec=25
35 J= 36, 37 Sec= 7
36 J= 37, 38 Sec=27
37 J= 38, 39 Sec=28
38 J= 39, 40 Sec=20
39 J= 40, 41 Sec= 2
40 J= 41, 42 Sec= 2
41 J= 42, 43 Sec=15

ADD= 11 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 12 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 13 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 14 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 15 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 16 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 17 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 18 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 19 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 20 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 21 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 22 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 23 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 24 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 25 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 26 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, -39.477
ADD= 27 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 28 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 29 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 30 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 31 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 32 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 33 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 34 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 35 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 36 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 37 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 38 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 39 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 40 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 41 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 42 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 43 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 44 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 45 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 46 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 47 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 48 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 49 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 50 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 51 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477
ADD= 52 RD=0.000, 1.000 Uzp=-22.279, -22.279 R1=-39.477, 39.477

COMBO

Name=AFTER Type=ADD ;
LOAD=AFTER sf=1.000

OUTPUT

ELEM=JOINT TYPE=DISP REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

3 철하중 재하시

< MOVING LOAD >

SYSTEM

LENGTH=M FORCE=KN

JOINT

```
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.450 Y=0.000 Z=0.087
3 X= 9.450 Y=0.000 Z=0.184
4 X= 14.450 Y=0.000 Z=0.282
5 X= 19.450 Y=0.000 Z=0.379
6 X= 24.450 Y=0.000 Z=0.477
7 X= 29.450 Y=0.000 Z=0.574
8 X= 34.450 Y=0.000 Z=0.672
9 X= 39.450 Y=0.000 Z=0.769
10 X= 44.450 Y=0.000 Z=0.867
11 X= 49.450 Y=0.000 Z=0.964
12 X= 54.450 Y=0.000 Z=1.062
13 X= 59.450 Y=0.000 Z=1.159
14 X= 64.450 Y=0.000 Z=1.257
15 X= 69.450 Y=0.000 Z=1.354
16 X= 74.450 Y=0.000 Z=1.452
17 X= 79.450 Y=0.000 Z=1.549
18 X= 84.450 Y=0.000 Z=1.647
19 X= 89.450 Y=0.000 Z=1.744
20 X= 94.450 Y=0.000 Z=1.842
21 X= 99.450 Y=0.000 Z=1.939
22 X= 104.450 Y=0.000 Z=2.037
23 X= 109.450 Y=0.000 Z=2.134
24 X= 114.450 Y=0.000 Z=2.232
25 X= 119.450 Y=0.000 Z=2.329
26 X= 124.450 Y=0.000 Z=2.427
27 X= 128.900 Y=0.000 Z=2.514
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.450 Y=-5.000 Z=-0.013
30 X= 9.450 Y=-5.000 Z=-0.084
31 X= 14.450 Y=-5.000 Z=-0.182
32 X= 19.450 Y=-5.000 Z=-0.279
33 X= 24.450 Y=-5.000 Z=-0.377
34 X= 29.450 Y=-5.000 Z=-0.474
35 X= 34.450 Y=-5.000 Z=-0.572
36 X= 39.450 Y=-5.000 Z=-0.669
37 X= 44.450 Y=-5.000 Z=-0.767
38 X= 49.450 Y=-5.000 Z=-0.864
39 X= 54.450 Y=-5.000 Z=-0.962
40 X= 59.450 Y=-5.000 Z=-1.059
41 X= 64.450 Y=-5.000 Z=-1.157
42 X= 69.450 Y=-5.000 Z=-1.254
43 X= 74.450 Y=-5.000 Z=-1.352
44 X= 79.450 Y=-5.000 Z=-1.449
45 X= 84.450 Y=-5.000 Z=-1.547
46 X= 89.450 Y=-5.000 Z=-1.644
47 X= 94.450 Y=-5.000 Z=-1.742
48 X= 99.450 Y=-5.000 Z=-1.839
49 X= 104.450 Y=-5.000 Z=-1.937
50 X= 109.450 Y=-5.000 Z=-2.034
51 X= 114.450 Y=-5.000 Z=-2.132
52 X= 119.450 Y=-5.000 Z=-2.229
53 X= 124.450 Y=-5.000 Z=-2.327
54 X= 128.900 Y=-5.000 Z=-2.414
55 X= 0.000 Y=0.000 Z=-0.900
56 X= 0.000 Y=1.122 Z=-0.900
57 X= 0.000 Y=-1.122 Z=-0.900
58 X= 39.450 Y=0.000 Z=-0.231
59 X= 39.450 Y=1.122 Z=-0.231
60 X= 39.450 Y=-1.122 Z=-0.231
61 X= 89.450 Y=0.000 Z=0.744
62 X= 89.450 Y=1.122 Z=0.744
63 X= 89.450 Y=-1.122 Z=0.744
64 X= 128.900 Y=0.000 Z=1.614
65 X= 128.900 Y=1.122 Z=1.614
66 X= 128.900 Y=-1.122 Z=1.614
```

```
67 X= 0.000 Y=-5.000 Z=-1.000
68 X= 0.000 Y=-3.878 Z=-1.000
69 X= 0.000 Y=-6.122 Z=-1.000
70 X= 39.450 Y=-5.000 Z=-0.331
71 X= 39.450 Y=-3.878 Z=-0.331
72 X= 39.450 Y=-6.122 Z=-0.331
73 X= 89.450 Y=-5.000 Z=0.644
74 X= 89.450 Y=-3.878 Z=0.644
75 X= 89.450 Y=-6.122 Z=0.644
76 X= 128.900 Y=-5.000 Z=1.514
77 X= 128.900 Y=-3.878 Z=1.514
78 X= 128.900 Y=-6.122 Z=1.514
```

LOCAL

```
ADD= 56 ANG=0.000
ADD= 57 ANG=0.000
ADD= 59 ANG=0.000
ADD= 60 ANG=0.000
ADD= 62 ANG=0.000
ADD= 63 ANG=0.000
ADD= 65 ANG=0.000
ADD= 66 ANG=0.000
ADD= 68 ANG=0.000
ADD= 69 ANG=0.000
ADD= 71 ANG=0.000
ADD= 72 ANG=0.000
ADD= 74 ANG=0.000
ADD= 75 ANG=0.000
ADD= 77 ANG=0.000
ADD= 78 ANG=0.000
```

RESTRAINT

```
ADD= 56 DOF= U2, U3
ADD= 57 DOF= U2, U3
ADD= 59 DOF= U1, U2, U3
ADD= 60 DOF= U1, U2, U3
ADD= 62 DOF= U1, U2, U3
ADD= 63 DOF= U1, U2, U3
ADD= 65 DOF= U2, U3
ADD= 66 DOF= U2, U3
ADD= 68 DOF= U2, U3
ADD= 69 DOF= U2, U3
ADD= 71 DOF= U1, U2, U3
ADD= 72 DOF= U1, U2, U3
ADD= 74 DOF= U1, U2, U3
ADD= 75 DOF= U1, U2, U3
ADD= 77 DOF= U2, U3
ADD= 78 DOF= U2, U3
```

MATERIAL

```
Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
```

- 13 -

- 14 -

FRAME SECTION

```
Name= 1 Mat= 1 A=0.35003 I=0.16388058 0.93121312 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.35483 I=0.20301584 0.94290325 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.36123 I=0.22265505 0.94940269 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.37403 I=0.24228270 0.96229501 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.38243 I=0.26400081 0.96937828 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.40603 I=0.34638048 0.99338248 J=0.28449413 : GIRDER
Name= 7 Mat= 7 A=0.43803 I=0.35351613 1.02502989 J=0.29157516 : GIRDER
Name= 8 Mat= 8 A=0.37403 I=0.26340274 0.96229501 J=0.24236602 : GIRDER
Name= 9 Mat= 9 A=0.02040 I=0.00355687 0.00005416 J=0.00000098 : CROSSBEAM
Name= 10 Mat= 10 A=0.02160 I=0.00437219 0.00005417 J=0.00000104 : CROSSBEAM
Name= 11 Mat= 11 A=10.000000 I=10.00000000 10.00000000 J=10.00000000 : SHOE
Name= 12 Type=Nonpr Sec= 1 2 Elvar=2,1
Name= 13 Type=Nonpr Sec= 2 1
Name= 14 Type=Nonpr Sec= 2 3
Name= 15 Type=Nonpr Sec= 2 5
Name= 16 Type=Nonpr Sec= 3 2
Name= 17 Type=Nonpr Sec= 3 4
Name= 18 Type=Nonpr Sec= 4 3
Name= 19 Type=Nonpr Sec= 4 5
Name= 20 Type=Nonpr Sec= 5 2
Name= 21 Type=Nonpr Sec= 5 4
Name= 22 Type=Nonpr Sec= 5 6
Name= 23 Type=Nonpr Sec= 5 8
Name= 24 Type=Nonpr Sec= 6 5
Name= 25 Type=Nonpr Sec= 6 7
Name= 26 Type=Nonpr Sec= 7 6
Name= 27 Type=Nonpr Sec= 7 8
Name= 28 Type=Nonpr Sec= 8 5
Name= 29 Type=Nonpr Sec= 8 7
```

FRAME

```
1 J= 1, 2 Sec=12 Local=12 Pdir=+Z, +X NSEQ=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=14
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=17
6 J= 6, 7 Sec=19
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=25
9 J= 9, 10 Sec= 7
10 J= 10, 11 Sec=27
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec=20
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=15
16 J= 16, 17 Sec=23
17 J= 17, 18 Sec=29
18 J= 18, 19 Sec= 7
19 J= 19, 20 Sec=26
20 J= 20, 21 Sec=24
21 J= 21, 22 Sec=21
22 J= 22, 23 Sec=18
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=16
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=13
27 J= 28, 29 Sec=12
28 J= 29, 30 Sec= 2
29 J= 30, 31 Sec=14
30 J= 31, 32 Sec= 3
31 J= 32, 33 Sec=17
32 J= 33, 34 Sec=19
33 J= 34, 35 Sec=22
34 J= 35, 36 Sec=25
35 J= 36, 37 Sec= 7
36 J= 37, 38 Sec=27
37 J= 38, 39 Sec=28
38 J= 39, 40 Sec=20
39 J= 40, 41 Sec= 2
40 J= 41, 42 Sec= 2
41 J= 42, 43 Sec=15
```

```
42 J= 43, 44 Sec=23
43 J= 44, 45 Sec=29
44 J= 45, 46 Sec= 7
45 J= 46, 47 Sec=26
46 J= 47, 48 Sec=24
47 J= 48, 49 Sec=21
48 J= 49, 50 Sec=18
49 J= 50, 51 Sec= 3
50 J= 51, 52 Sec=16
51 J= 52, 53 Sec= 2
52 J= 53, 54 Sec=13
53 J= 1, 28 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
54 J= 2, 29 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
55 J= 3, 30 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
56 J= 4, 31 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
57 J= 5, 32 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
58 J= 6, 33 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
59 J= 7, 34 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
60 J= 8, 35 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
61 J= 9, 36 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
62 J= 10, 37 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
63 J= 11, 38 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
64 J= 12, 39 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
65 J= 13, 40 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
66 J= 14, 41 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
67 J= 15, 42 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
68 J= 16, 43 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
69 J= 17, 44 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
70 J= 18, 45 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
71 J= 19, 46 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
72 J= 20, 47 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
73 J= 21, 48 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
74 J= 22, 49 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
75 J= 23, 50 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
76 J= 24, 51 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
77 J= 25, 52 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
78 J= 26, 53 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
79 J= 27, 54 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
80 J= 1, 55 Sec=11
81 J= 56, 55 Sec=11
82 J= 57, 55 Sec=11
83 J= 9, 58 Sec=11
84 J= 59, 58 Sec=11
85 J= 60, 58 Sec=11
86 J= 19, 61 Sec=11
87 J= 62, 61 Sec=11
88 J= 63, 61 Sec=11
89 J= 27, 64 Sec=11
90 J= 65, 64 Sec=11
91 J= 66, 64 Sec=11
92 J= 28, 67 Sec=11
93 J= 68, 67 Sec=11
94 J= 69, 67 Sec=11
95 J= 36, 70 Sec=11
96 J= 71, 70 Sec=11
97 J= 72, 70 Sec=11
98 J= 46, 73 Sec=11
99 J= 74, 73 Sec=11
100 J= 75, 73 Sec=11
101 J= 54, 76 Sec=11
102 J= 77, 76 Sec=11
103 J= 78, 76 Sec=11
```

LANE

```
: Case= 1 ----- G1 Max DB 1선
Name=L1G1
Path= 1, 8, 1, Ecc=2.202
Path= 9, 18, 1, Ecc=2.202
Path= 19, 26, 1, Ecc=2.202
Name=L1G2
Path= 27, 34, 1, Ecc=1.826
Path= 35, 44, 1, Ecc=1.826
Path= 45, 52, 1, Ecc=1.826
```

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- 16 -

```

: Case = 2 ----- G1 Max DB 2선
Name=L2G1
Path= 1, 8, 1, Ecc=0.578
Path= 9, 18, 1, Ecc=0.578
Path= 19, 26, 1, Ecc=0.578
Name=L2G2
Path= 27, 34, 1, Ecc=1.717
Path= 35, 44, 1, Ecc=1.717
Path= 45, 52, 1, Ecc=1.717

: Case = 3 ----- G1 Max DB 3선
Name=L3G1
Path= 1, 8, 1, Ecc=0.764
Path= 9, 18, 1, Ecc=0.764
Path= 19, 26, 1, Ecc=0.764
Name=L3G2
Path= 27, 34, 1, Ecc=0.368
Path= 35, 44, 1, Ecc=0.368
Path= 45, 52, 1, Ecc=0.368

: Case = 4 ----- G2 Max DB 1선
Name=L4G1
Path= 1, 8, 1, Ecc=-1.826
Path= 9, 18, 1, Ecc=-1.826
Path= 19, 26, 1, Ecc=-1.826
Name=L4G2
Path= 27, 34, 1, Ecc=-2.202
Path= 35, 44, 1, Ecc=-2.202
Path= 45, 52, 1, Ecc=-2.202

: Case = 5 ----- G2 Max DB 2선
Name=L5G1
Path= 1, 8, 1, Ecc=-1.717
Path= 9, 18, 1, Ecc=-1.717
Path= 19, 26, 1, Ecc=-1.717
Name=L5G2
Path= 27, 34, 1, Ecc=-0.578
Path= 35, 44, 1, Ecc=-0.578
Path= 45, 52, 1, Ecc=-0.578

: Case = 6 ----- G2 Max DB 3선
Name=L6G1
Path= 1, 8, 1, Ecc=-0.368
Path= 9, 18, 1, Ecc=-0.368
Path= 19, 26, 1, Ecc=-0.368
Name=L6G2
Path= 27, 34, 1, Ecc=-0.764
Path= 35, 44, 1, Ecc=-0.764
Path= 45, 52, 1, Ecc=-0.764

: Case = 7 ----- G1 Max DL 1선
Name=L7G1
Path= 1, 8, 1, Ecc=2.210
Path= 9, 18, 1, Ecc=2.210
Path= 19, 26, 1, Ecc=2.210
Name=L7G2
Path= 27, 34, 1, Ecc=1.826
Path= 35, 44, 1, Ecc=1.826
Path= 45, 52, 1, Ecc=1.826

: Case = 8 ----- G1 Max DL 2선
Name=L8G1
Path= 1, 8, 1, Ecc=0.551
Path= 9, 18, 1, Ecc=0.551
Path= 19, 26, 1, Ecc=0.551
Name=L8G2
Path= 27, 34, 1, Ecc=1.708
Path= 35, 44, 1, Ecc=1.708
Path= 45, 52, 1, Ecc=1.708

: Case = 9 ----- G1 Max DL 3선
Name=L9G1

```

```

Path= 1, 8, 1, Ecc=0.741
Path= 9, 18, 1, Ecc=0.741
Path= 19, 26, 1, Ecc=0.741
Name=L9G2
Path= 27, 34, 1, Ecc=0.362
Path= 35, 44, 1, Ecc=0.362
Path= 45, 52, 1, Ecc=0.362

: Case = 10 ----- G2 Max DL 1선
Name=L10G1
Path= 1, 8, 1, Ecc=-1.826
Path= 9, 18, 1, Ecc=-1.826
Path= 19, 26, 1, Ecc=-1.826
Name=L10G2
Path= 27, 34, 1, Ecc=-2.210
Path= 35, 44, 1, Ecc=-2.210
Path= 45, 52, 1, Ecc=-2.210

: Case = 11 ----- G2 Max DL 2선
Name=L11G1
Path= 1, 8, 1, Ecc=-1.708
Path= 9, 18, 1, Ecc=-1.708
Path= 19, 26, 1, Ecc=-1.708
Name=L11G2
Path= 27, 34, 1, Ecc=-0.551
Path= 35, 44, 1, Ecc=-0.551
Path= 45, 52, 1, Ecc=-0.551

: Case = 12 ----- G2 Max DL 3선
Name=L12G1
Path= 1, 8, 1, Ecc=-0.362
Path= 9, 18, 1, Ecc=-0.362
Path= 19, 26, 1, Ecc=-0.362
Name=L12G2
Path= 27, 34, 1, Ecc=-0.741
Path= 35, 44, 1, Ecc=-0.741
Path= 45, 52, 1, Ecc=-0.741

VEHICLES
Name=1 TYPE=Gen : DB-24
P=24.000
D=4.200 P=96.000
D=4.200 9.000 P=96.000

Name=2 TYPE=Gen : DL-24
W=4.233 PM=36.000 PXM=52.000

Vehicle Class
Name=1
Veh=1
Name=2
Veh=2

Bridge Response
Elem=Frame
Add=>
Elem=JointType=DISP
Add=>
Elem=Joint Type=REAC
Add=>

MOVING LOAD
Name= 1 Rf=1.000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=1.869
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.131

Name= 2 Rf=1.000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.453
Lane= L2G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.547

Name= 3 Rf=0.900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.205

```

```

Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.795

Name= 4 Rf=1.000 : G2 Max DB 1선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.131
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=1.869

Name= 5 Rf=1.000 : G2 Max DB 2선
Lane= L5G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.547
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=3.453

Name= 6 Rf=0.900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.795
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=3.205

Name= 7 Rf=1.000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=2.799
Lane= L7G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.201

Name= 8 Rf=1.000 : G1 Max DL 2선
Lane= L8G1 Class=2 Lmin= 1 Lmax= 1 Sf=5.218
Lane= L8G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.782

Name= 9 Rf=0.900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.833
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.167

Name= 10 Rf=1.000 : G2 Max DL 1선
Lane= L10G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.201
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=2.799

Name= 11 Rf=1.000 : G2 Max DL 2선
Lane= L11G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.782
Lane= L11G2 Class=2 Lmin= 1 Lmax= 1 Sf=5.218

Name= 12 Rf=0.900 : G2 Max DL 3선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.167
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.833

COMBO
Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1.189

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1.189

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1.189

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1.189

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1.189

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1.189

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1.189

Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1.189

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1.189

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1.189

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1.189

Name=G2XDL3 Type=ENVE : G2 Max DL 3선

```

```

MOVE=12 sf=1.189

Name=DB Type=ENVE :
COMB=G1XDB1 sf=1.000
COMB=G1XDB2 sf=1.000
COMB=G1XDB3 sf=1.000
COMB=G2XDB1 sf=1.000
COMB=G2XDB2 sf=1.000
COMB=G2XDB3 sf=1.000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1.000
COMB=G1XDL2 sf=1.000
COMB=G1XDL3 sf=1.000
COMB=G2XDL1 sf=1.000
COMB=G2XDL2 sf=1.000
COMB=G2XDL3 sf=1.000

Name=CAR Type=ENVE :
COMB=DB sf=1.000
COMB=DL sf=1.000

Name=DESIGN Type=ENVE :
COMB=CAR sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

```

4) unequal settlement

< UNEQUAL SETTLEMENT >

SYSTEM

LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.450 Y=0.000 Z=0.087
3 X= 9.450 Y=0.000 Z=0.184
4 X= 14.450 Y=0.000 Z=0.282
5 X= 19.450 Y=0.000 Z=0.379
6 X= 24.450 Y=0.000 Z=0.477
7 X= 29.450 Y=0.000 Z=0.574
8 X= 34.450 Y=0.000 Z=0.672
9 X= 39.450 Y=0.000 Z=0.769
10 X= 44.450 Y=0.000 Z=0.867
11 X= 49.450 Y=0.000 Z=0.964
12 X= 54.450 Y=0.000 Z=1.062
13 X= 59.450 Y=0.000 Z=1.159
14 X= 64.450 Y=0.000 Z=1.257
15 X= 69.450 Y=0.000 Z=1.354
16 X= 74.450 Y=0.000 Z=1.452
17 X= 79.450 Y=0.000 Z=1.549
18 X= 84.450 Y=0.000 Z=1.647
19 X= 89.450 Y=0.000 Z=1.744
20 X= 94.450 Y=0.000 Z=1.842
21 X= 99.450 Y=0.000 Z=1.939
22 X= 104.450 Y=0.000 Z=2.037
23 X= 109.450 Y=0.000 Z=2.134
24 X= 114.450 Y=0.000 Z=2.232
25 X= 119.450 Y=0.000 Z=2.329
26 X= 124.450 Y=0.000 Z=2.427
27 X= 128.900 Y=0.000 Z=2.514
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.450 Y=-5.000 Z=-0.013
30 X= 9.450 Y=-5.000 Z=-0.084
31 X= 14.450 Y=-5.000 Z=-0.182
32 X= 19.450 Y=-5.000 Z=-0.279
33 X= 24.450 Y=-5.000 Z=-0.377
34 X= 29.450 Y=-5.000 Z=-0.474
35 X= 34.450 Y=-5.000 Z=-0.572
36 X= 39.450 Y=-5.000 Z=-0.669
37 X= 44.450 Y=-5.000 Z=-0.767
38 X= 49.450 Y=-5.000 Z=-0.864
39 X= 54.450 Y=-5.000 Z=-0.962
40 X= 59.450 Y=-5.000 Z=-1.059
41 X= 64.450 Y=-5.000 Z=-1.157
42 X= 69.450 Y=-5.000 Z=-1.254
43 X= 74.450 Y=-5.000 Z=-1.352
44 X= 79.450 Y=-5.000 Z=-1.449
45 X= 84.450 Y=-5.000 Z=-1.547
46 X= 89.450 Y=-5.000 Z=-1.644
47 X= 94.450 Y=-5.000 Z=-1.742
48 X= 99.450 Y=-5.000 Z=-1.839
49 X= 104.450 Y=-5.000 Z=-1.937
50 X= 109.450 Y=-5.000 Z=-2.034
51 X= 114.450 Y=-5.000 Z=-2.132
52 X= 119.450 Y=-5.000 Z=-2.229
53 X= 124.450 Y=-5.000 Z=-2.327
54 X= 128.900 Y=-5.000 Z=-2.414
55 X= 0.000 Y=0.000 Z=-0.900
56 X= 0.000 Y=1.122 Z=-0.900
57 X= 0.000 Y=-1.122 Z=-0.900
58 X= 39.450 Y=0.000 Z=-0.231
59 X= 39.450 Y=1.122 Z=-0.231
60 X= 39.450 Y=-1.122 Z=-0.231
61 X= 89.450 Y=0.000 Z=0.744
62 X= 89.450 Y=1.122 Z=0.744
63 X= 89.450 Y=-1.122 Z=0.744
64 X= 128.900 Y=0.000 Z=1.614
65 X= 128.900 Y=1.122 Z=1.614
66 X= 128.900 Y=-1.122 Z=1.614

67 X= 0.000 Y=-5.000 Z=-1.000
68 X= 0.000 Y=-3.878 Z=-1.000
69 X= 0.000 Y=-6.122 Z=-1.000
70 X= 39.450 Y=-5.000 Z=-0.331
71 X= 39.450 Y=-3.878 Z=-0.331
72 X= 39.450 Y=-6.122 Z=-0.331
73 X= 89.450 Y=-5.000 Z=0.644
74 X= 89.450 Y=-3.878 Z=0.644
75 X= 89.450 Y=-6.122 Z=0.644
76 X= 128.900 Y=-5.000 Z=1.514
77 X= 128.900 Y=-3.878 Z=1.514
78 X= 128.900 Y=-6.122 Z=1.514

LOCAL

ADD= 56 ANG=0.000
ADD= 57 ANG=0.000
ADD= 59 ANG=0.000
ADD= 60 ANG=0.000
ADD= 62 ANG=0.000
ADD= 63 ANG=0.000
ADD= 65 ANG=0.000
ADD= 66 ANG=0.000
ADD= 68 ANG=0.000
ADD= 69 ANG=0.000
ADD= 71 ANG=0.000
ADD= 72 ANG=0.000
ADD= 74 ANG=0.000
ADD= 75 ANG=0.000
ADD= 77 ANG=0.000
ADD= 78 ANG=0.000

RESTRAINT

ADD= 56 DOF= U2, U3
ADD= 57 DOF= U2, U3
ADD= 59 DOF= U1, U2, U3
ADD= 60 DOF= U1, U2, U3
ADD= 62 DOF= U1, U2, U3
ADD= 63 DOF= U1, U2, U3
ADD= 65 DOF= U2, U3
ADD= 66 DOF= U2, U3
ADD= 68 DOF= U2, U3
ADD= 69 DOF= U2, U3
ADD= 71 DOF= U1, U2, U3
ADD= 72 DOF= U1, U2, U3
ADD= 74 DOF= U1, U2, U3
ADD= 75 DOF= U1, U2, U3
ADD= 77 DOF= U2, U3
ADD= 78 DOF= U2, U3

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.35003 I=0.16388058 0.93121312 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.35483 I=0.20301584 0.94290325 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.36123 I=0.22265505 0.94940269 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.37403 I=0.24228270 0.96229501 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.38243 I=0.26400081 0.96937828 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.40603 I=0.34638048 0.99338248 J=0.28449413 : GIRDER
Name= 7 Mat= 7 A=0.43803 I=0.35351613 1.02502989 J=0.29157516 : GIRDER
Name= 8 Mat= 8 A=0.37403 I=0.26340274 0.96229501 J=0.24236602 : GIRDER
Name= 9 Mat= 9 A=0.02040 I=0.00355687 0.00005416 J=0.00000098 : CROSSBEAM
Name= 10 Mat= 10 A=0.02160 I=0.00437219 0.00005417 J=0.00000104 : CROSSBEAM
Name= 11 Mat= 11 A=10.000000 I=10.00000000 10.00000000 J=10.00000000 : SHOE
Name= 12 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 13 Type=Nonpr Sec= 2, 1
Name= 14 Type=Nonpr Sec= 2, 3
Name= 15 Type=Nonpr Sec= 2, 5
Name= 16 Type=Nonpr Sec= 3, 2
Name= 17 Type=Nonpr Sec= 3, 4
Name= 18 Type=Nonpr Sec= 4, 3
Name= 19 Type=Nonpr Sec= 4, 5
Name= 20 Type=Nonpr Sec= 5, 2
Name= 21 Type=Nonpr Sec= 5, 4
Name= 22 Type=Nonpr Sec= 5, 6
Name= 23 Type=Nonpr Sec= 5, 8
Name= 24 Type=Nonpr Sec= 6, 5
Name= 25 Type=Nonpr Sec= 6, 7
Name= 26 Type=Nonpr Sec= 7, 6
Name= 27 Type=Nonpr Sec= 7, 8
Name= 28 Type=Nonpr Sec= 8, 5
Name= 29 Type=Nonpr Sec= 8, 7

FRAME

1 J= 1, 2 Sec=12 Local=12 Pdir=+Z, +X NSEQ=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=14
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=17
6 J= 6, 7 Sec=19
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=25
9 J= 9, 10 Sec= 7
10 J= 10, 11 Sec=27
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec=20
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=15
16 J= 16, 17 Sec=23
17 J= 17, 18 Sec=29
18 J= 18, 19 Sec= 7
19 J= 19, 20 Sec=26
20 J= 20, 21 Sec=24
21 J= 21, 22 Sec=21
22 J= 22, 23 Sec=18
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=16
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=13
27 J= 28, 29 Sec=12
28 J= 29, 30 Sec= 2
29 J= 30, 31 Sec=14
30 J= 31, 32 Sec= 3
31 J= 32, 33 Sec=17
32 J= 33, 34 Sec=19
33 J= 34, 35 Sec=22
34 J= 35, 36 Sec=25
35 J= 36, 37 Sec= 7
36 J= 37, 38 Sec=27
37 J= 38, 39 Sec=28
38 J= 39, 40 Sec=20
39 J= 40, 41 Sec= 2
40 J= 41, 42 Sec= 2
41 J= 42, 43 Sec=15

42 J= 43, 44 Sec=23
43 J= 44, 45 Sec=29
44 J= 45, 46 Sec= 7
45 J= 46, 47 Sec=26
46 J= 47, 48 Sec=24
47 J= 48, 49 Sec=21
48 J= 49, 50 Sec=18
49 J= 50, 51 Sec= 3
50 J= 51, 52 Sec=16
51 J= 52, 53 Sec= 2
52 J= 53, 54 Sec=13
53 J= 1, 28 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
54 J= 2, 29 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
55 J= 3, 30 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
56 J= 4, 31 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
57 J= 5, 32 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
58 J= 6, 33 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
59 J= 7, 34 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
60 J= 8, 35 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
61 J= 9, 36 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
62 J= 10, 37 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
63 J= 11, 38 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
64 J= 12, 39 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
65 J= 13, 40 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
66 J= 14, 41 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
67 J= 15, 42 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
68 J= 16, 43 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
69 J= 17, 44 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
70 J= 18, 45 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
71 J= 19, 46 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
72 J= 20, 47 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
73 J= 21, 48 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
74 J= 22, 49 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
75 J= 23, 50 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
76 J= 24, 51 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
77 J= 25, 52 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
78 J= 26, 53 Sec=10 IOFF=1.500 JOFF=1.500 RIGD=1.0
79 J= 27, 54 Sec= 9 IOFF=1.500 JOFF=1.500 RIGD=1.0
80 J= 1, 55 Sec=11
81 J= 56, 55 Sec=11
82 J= 57, 55 Sec=11
83 J= 9, 58 Sec=11
84 J= 59, 58 Sec=11
85 J= 60, 58 Sec=11
86 J= 19, 61 Sec=11
87 J= 62, 61 Sec=11
88 J= 63, 61 Sec=11
89 J= 27, 64 Sec=11
90 J= 65, 64 Sec=11
91 J= 66, 64 Sec=11
92 J= 28, 67 Sec=11
93 J= 68, 67 Sec=11
94 J= 69, 67 Sec=11
95 J= 36, 70 Sec=11
96 J= 71, 70 Sec=11
97 J= 72, 70 Sec=11
98 J= 46, 73 Sec=11
99 J= 74, 73 Sec=11
100 J= 75, 73 Sec=11
101 J= 54, 76 Sec=11
102 J= 77, 76 Sec=11
103 J= 78, 76 Sec=11

LOAD

Name=A1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 56 Uz=-0.010
Add= 57 Uz=-0.010
Add= 68 Uz=-0.010
Add= 69 Uz=-0.010

Name=P1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT

Add= 59 Uz=-0.010
Add= 60 Uz=-0.010
Add= 71 Uz=-0.010
Add= 72 Uz=-0.010

Name=P2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 62 Uz=-0.010
Add= 63 Uz=-0.010
Add= 74 Uz=-0.010
Add= 75 Uz=-0.010

Name=A2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 65 Uz=-0.010
Add= 66 Uz=-0.010
Add= 77 Uz=-0.010
Add= 78 Uz=-0.010

COMBO
Name=2N1 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000

Name=2N2 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000

Name=2N3 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=A2 sf=1.000

Name=2N4 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000

Name=2N5 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=A2 sf=1.000

Name=2N6 Type=ENVE :
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=3N1 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000

Name=3N2 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=A2 sf=1.000

Name=3N3 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=3N4 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=2N Type=ENVE :
COMB=2N1 sf=1.000
COMB=2N2 sf=1.000
COMB=2N3 sf=1.000
COMB=2N4 sf=1.000
COMB=2N5 sf=1.000
COMB=2N6 sf=1.000

Name=3N Type=ENVE :

COMB=3N1 sf=1.000
COMB=3N2 sf=1.000
COMB=3N3 sf=1.000
COMB=3N4 sf=1.000

Name=SETTLE Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000
COMB=2N sf=1.000
COMB=3N sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP, REAC LOAD=** COMB=**
ELEM=FRAME TYPE=FORCE LOAD=** COMB=**

■ 상왕진IC교-부산방향

1) 실행 전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM	LENGTH=M	FORCE=KN
JOINT		
1	X= 0.000 Y=0.000 Z=0.000	
2	X= 4.400 Y=0.000 Z=0.088	
3	X= 9.400 Y=0.000 Z=0.188	
4	X= 14.400 Y=0.000 Z=0.288	
5	X= 19.400 Y=0.000 Z=0.388	
6	X= 24.400 Y=0.000 Z=0.488	
7	X= 29.400 Y=0.000 Z=0.588	
8	X= 34.400 Y=0.000 Z=0.688	
9	X= 39.400 Y=0.000 Z=0.788	
10	X= 44.400 Y=0.000 Z=0.888	
11	X= 49.400 Y=0.000 Z=0.988	
12	X= 54.400 Y=0.000 Z=1.088	
13	X= 59.400 Y=0.000 Z=1.188	
14	X= 64.400 Y=0.000 Z=1.288	
15	X= 69.400 Y=0.000 Z=1.388	
16	X= 74.400 Y=0.000 Z=1.488	
17	X= 79.400 Y=0.000 Z=1.588	
18	X= 84.400 Y=0.000 Z=1.688	
19	X= 89.400 Y=0.000 Z=1.788	
20	X= 94.400 Y=0.000 Z=1.888	
21	X= 99.400 Y=0.000 Z=1.988	
22	X= 104.400 Y=0.000 Z=2.088	
23	X= 109.400 Y=0.000 Z=2.188	
24	X= 114.400 Y=0.000 Z=2.288	
25	X= 119.400 Y=0.000 Z=2.388	
26	X= 124.400 Y=0.000 Z=2.488	
27	X= 128.800 Y=0.000 Z=2.576	
28	X= 0.000 Y=-5.000 Z=-0.100	
29	X= 4.400 Y=-5.000 Z=-0.012	
30	X= 9.400 Y=-5.000 Z=0.088	
31	X= 14.400 Y=-5.000 Z=0.188	
32	X= 19.400 Y=-5.000 Z=0.288	
33	X= 24.400 Y=-5.000 Z=0.388	
34	X= 29.400 Y=-5.000 Z=0.488	
35	X= 34.400 Y=-5.000 Z=0.588	
36	X= 39.400 Y=-5.000 Z=0.688	
37	X= 44.400 Y=-5.000 Z=0.788	
38	X= 49.400 Y=-5.000 Z=0.888	
39	X= 54.400 Y=-5.000 Z=0.988	
40	X= 59.400 Y=-5.000 Z=1.088	
41	X= 64.400 Y=-5.000 Z=1.188	
42	X= 69.400 Y=-5.000 Z=1.288	
43	X= 74.400 Y=-5.000 Z=1.388	
44	X= 79.400 Y=-5.000 Z=1.488	
45	X= 84.400 Y=-5.000 Z=1.588	
46	X= 89.400 Y=-5.000 Z=1.688	
47	X= 94.400 Y=-5.000 Z=1.788	
48	X= 99.400 Y=-5.000 Z=1.888	
49	X= 104.400 Y=-5.000 Z=1.988	
50	X= 109.400 Y=-5.000 Z=2.088	
51	X= 114.400 Y=-5.000 Z=2.188	
52	X= 119.400 Y=-5.000 Z=2.288	
53	X= 124.400 Y=-5.000 Z=2.388	
54	X= 128.800 Y=-5.000 Z=2.476	
55	X= 0.000 Y=-10.000 Z=-0.200	
56	X= 4.400 Y=-10.000 Z=-0.112	
57	X= 9.400 Y=-10.000 Z=-0.012	
58	X= 14.400 Y=-10.000 Z=0.088	
59	X= 19.400 Y=-10.000 Z=0.188	
60	X= 24.400 Y=-10.000 Z=0.288	
61	X= 29.400 Y=-10.000 Z=0.388	
62	X= 34.400 Y=-10.000 Z=0.488	
63	X= 39.400 Y=-10.000 Z=0.588	
64	X= 44.400 Y=-10.000 Z=0.688	

65	X= 49.400	Y=-10.000	Z=0.788
66	X= 54.400	Y=-10.000	Z=0.888
67	X= 59.400	Y=-10.000	Z=0.988
68	X= 64.400	Y=-10.000	Z=1.088
69	X= 69.400	Y=-10.000	Z=1.188
70	X= 74.400	Y=-10.000	Z=1.288
71	X= 79.400	Y=-10.000	Z=1.388
72	X= 84.400	Y=-10.000	Z=1.488
73	X= 89.400	Y=-10.000	Z=1.588
74	X= 94.400	Y=-10.000	Z=1.688
75	X= 99.400	Y=-10.000	Z=1.788
76	X= 104.400	Y=-10.000	Z=1.888
77	X= 109.400	Y=-10.000	Z=1.988
78	X= 114.400	Y=-10.000	Z=2.088
79	X= 119.400	Y=-10.000	Z=2.188
80	X= 124.400	Y=-10.000	Z=2.288
81	X= 128.800	Y=-10.000	Z=2.376
82	X= 0.000	Y=0.000	Z=-0.900
83	X= 0.000	Y=0.748	Z=-0.900
84	X= 0.000	Y=-0.748	Z=-0.900
85	X= 39.400	Y=0.000	Z=-0.212
86	X= 69.400	Y=0.000	Z=0.788
87	X= 128.800	Y=0.000	Z=1.676
88	X= 128.800	Y=0.748	Z=1.676
89	X= 128.800	Y=-0.748	Z=1.676
90	X= 0.000	Y=-5.000	Z=-1.000
91	X= 0.000	Y=-4.252	Z=-1.000
92	X= 0.000	Y=-5.748	Z=-1.000
93	X= 39.400	Y=-5.000	Z=-0.312
94	X= 39.400	Y=-4.252	Z=-0.312
95	X= 39.400	Y=-5.748	Z=-0.312
96	X= 89.400	Y=-5.000	Z=0.688
97	X= 89.400	Y=-4.252	Z=0.688
98	X= 89.400	Y=-5.748	Z=0.688
99	X= 128.800	Y=-5.000	Z=1.576
100	X= 128.800	Y=-4.252	Z=1.576
101	X= 128.800	Y=-5.748	Z=1.576
102	X= 0.000	Y=-10.000	Z=-1.100
103	X= 0.000	Y=-9.252	Z=-1.100
104	X= 0.000	Y=-10.748	Z=-1.100
105	X= 39.400	Y=-10.000	Z=-0.412
106	X= 89.400	Y=-10.000	Z=0.588
107	X= 128.800	Y=-10.000	Z=1.476
108	X= 128.800	Y=-9.252	Z=1.476
109	X= 128.800	Y=-10.748	Z=1.476

LOCAL
ADD= 83 ANG=0.000
ADD= 84 ANG=0.000
ADD= 85 ANG=0.000
ADD= 86 ANG=0.000
ADD= 88 ANG=0.000
ADD= 89 ANG=0.000
ADD= 91 ANG=0.000
ADD= 92 ANG=0.000
ADD= 94 ANG=0.000
ADD= 95 ANG=0.000
ADD= 97 ANG=0.000
ADD= 98 ANG=0.000
ADD= 100 ANG=0.000
ADD= 101 ANG=0.000
ADD= 103 ANG=0.000
ADD= 104 ANG=0.000
ADD= 105 ANG=0.000
ADD= 106 ANG=0.000
ADD= 108 ANG=0.000
ADD= 109 ANG=0.000

RESTRAINT
ADD= 83 DOF= U3,
ADD= 84 DOF= U3,
ADD= 85 DOF= U1, U3,
ADD= 86 DOF= U3,

ADD= 88 DOF= U3,
ADD= 89 DOF= U3,
ADD= 91 DOF= U2, U3,
ADD= 92 DOF= U2, U3,
ADD= 94 DOF= U1, U2, U3,
ADD= 95 DOF= U1, U2, U3,
ADD= 97 DOF= U2, U3,
ADD= 98 DOF= U2, U3,
ADD= 100 DOF= U2, U3,
ADD= 101 DOF= U2, U3,
ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 108 DOF= U3,
ADD= 109 DOF= U3,

MATERIAL

Name=1

E=2.05e+008

Name=2

E=2.05e+008

Name=3

E=2.05e+008

Name=4

E=2.05e+008

Name=5

E=2.05e+008

Name=6

E=2.05e+008

Name=7

E=2.05e+008

Name=8

E=2.05e+008

Name=9

E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.12820 I=0.07804002, 0.16318056 J=0.13150026 : GIRDER

Name= 2 Mat= 2 A=0.13300 I=0.09819570, 0.17406719 J=0.15640012 : GIRDER

Name= 3 Mat= 3 A=0.13940 I=0.10517903, 0.17952652 J=0.16538303 : GIRDER

Name= 4 Mat= 4 A=0.15220 I=0.11828939, 0.19045119 J=0.18343261 : GIRDER

Name= 5 Mat= 5 A=0.16060 I=0.12524155, 0.19631354 J=0.18343261 : GIRDER

Name= 6 Mat= 6 A=0.21620 I=0.18367749, 0.24506452 J=0.24769522 : GIRDER

Name= 7 Mat= 7 A=0.15220 I=0.11696549, 0.19045119 J=0.18343261 : GIRDER

Name= 8 Mat= 8 A=0.02040 I=0.00355867, 0.00005416 J=0.00000098 : CROSSBEAM

Name= 9 Mat= 9 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE

Name= 10 Type=Nonpr Sec= 1, 2 Elvar=2,1

Name= 11 Type=Nonpr Sec= 2, 1

Name= 12 Type=Nonpr Sec= 2, 3

Name= 13 Type=Nonpr Sec= 2, 5

Name= 14 Type=Nonpr Sec= 3, 2

Name= 15 Type=Nonpr Sec= 3, 4

Name= 16 Type=Nonpr Sec= 4, 2

Name= 17 Type=Nonpr Sec= 4, 3

Name= 18 Type=Nonpr Sec= 4, 5

Name= 19 Type=Nonpr Sec= 5, 4

Name= 20 Type=Nonpr Sec= 5, 6

Name= 21 Type=Nonpr Sec= 5, 7

Name= 22 Type=Nonpr Sec= 6, 5

Name= 23 Type=Nonpr Sec= 6, 7

Name= 24 Type=Nonpr Sec= 7, 4

Name= 25 Type=Nonpr Sec= 7, 6

FRAME

1 J= 1, 2 Sec=10 Local=12 Pdir=Z,X NSEG=4

2 J= 2, 3 Sec= 2

3 J= 3, 4 Sec=12

4 J= 4, 5 Sec= 3

5 J= 5, 6 Sec=15

6 J= 6, 7 Sec=18

7 J= 7, 8 Sec=20

8 J= 8, 9 Sec= 6

9 J= 9, 10 Sec= 6

10 J= 10, 11 Sec=23

11 J= 11, 12 Sec=24

12 J= 12, 13 Sec=16

13 J= 13, 14 Sec= 2

14 J= 14, 15 Sec= 2

15 J= 15, 16 Sec=13

16 J= 16, 17 Sec=21

17 J= 17, 18 Sec=25

18 J= 18, 19 Sec= 6

19 J= 19, 20 Sec= 6

20 J= 20, 21 Sec=22

21 J= 21, 22 Sec=19

22 J= 22, 23 Sec=17

23 J= 23, 24 Sec= 3

24 J= 24, 25 Sec=14

25 J= 25, 26 Sec= 2

26 J= 26, 27 Sec=11

27 J= 28, 29 Sec=10

28 J= 29, 30 Sec= 2

29 J= 30, 31 Sec=12

30 J= 31, 32 Sec= 3

31 J= 32, 33 Sec=15

32 J= 33, 34 Sec=18

33 J= 34, 35 Sec=20

34 J= 35, 36 Sec= 6

35 J= 36, 37 Sec= 6

36 J= 37, 38 Sec=23

37 J= 38, 39 Sec=24

38 J= 39, 40 Sec=16

39 J= 40, 41 Sec= 2

40 J= 41, 42 Sec= 2

41 J= 42, 43 Sec=13

42 J= 43, 44 Sec=21

43 J= 44, 45 Sec=25

44 J= 45, 46 Sec= 6

45 J= 46, 47 Sec= 6

46 J= 47, 48 Sec=22

47 J= 48, 49 Sec=19

48 J= 49, 50 Sec=17

49 J= 50, 51 Sec= 3

50 J= 51, 52 Sec=14

51 J= 52, 53 Sec= 2

52 J= 53, 54 Sec=11

53 J= 55, 56 Sec=10

54 J= 56, 57 Sec= 2

55 J= 57, 58 Sec=12

56 J= 58, 59 Sec= 3

57 J= 59, 60 Sec=15

58 J= 60, 61 Sec=18

59 J= 61, 62 Sec=20

60 J= 62, 63 Sec= 6

61 J= 63, 64 Sec= 6

62 J= 64, 65 Sec=23

63 J= 65, 66 Sec=24

64 J= 66, 67 Sec=16

65 J= 67, 68 Sec= 2

66 J= 68, 69 Sec= 2

67 J= 69, 70 Sec=13

68 J= 70, 71 Sec=21

69 J= 71, 72 Sec=25

70 J= 72, 73 Sec= 6

71 J= 73, 74 Sec= 6

72 J= 74, 75 Sec=22

73 J= 75, 76 Sec=19

74 J= 76, 77 Sec=17

75 J= 77, 78 Sec= 3

76 J= 78, 79 Sec=14

77 J= 79, 80 Sec= 2

78 J= 80, 81 Sec=11

79 J= 1, 28 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

80 J= 2, 29 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

81 J= 3, 30 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

82 J= 4, 31 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

83 J= 5, 32 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

84 J= 6, 33 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

85 J= 7, 34 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

86 J= 8, 35 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

87 J= 9, 36 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

88 J= 10, 37 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

89 J= 11, 38 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

90 J= 12, 39 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

91 J= 13, 40 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

92 J= 14, 41 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

93 J= 15, 42 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

94 J= 16, 43 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

95 J= 17, 44 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

96 J= 18, 45 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

97 J= 19, 46 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

98 J= 20, 47 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

99 J= 21, 48 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

100 J= 22, 49 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

101 J= 23, 50 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

102 J= 24, 51 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

103 J= 25, 52 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

104 J= 26, 53 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

105 J= 27, 54 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

106 J= 28, 55 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

107 J= 29, 56 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

108 J= 30, 57 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

109 J= 31, 58 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

110 J= 32, 59 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

111 J= 33, 60 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

112 J= 34, 61 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

113 J= 35, 62 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

114 J= 36, 63 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

115 J= 37, 64 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

116 J= 38, 65 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

117 J= 39, 66 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

118 J= 40, 67 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

119 J= 41, 68 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

120 J= 42, 69 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

121 J= 43, 70 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

122 J= 44, 71 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

123 J= 45, 72 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

124 J= 46, 73 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

125 J= 47, 74 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

126 J= 48, 75 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

127 J= 49, 76 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

128 J= 50, 77 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

129 J= 51, 78 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

130 J= 52, 79 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

131 J= 53, 80 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

132 J= 54, 81 Sec= 8 IOFF=1,500 JOFF=1,500 RIGID=1.0

133 J= 1, 82 Sec= 9

134 J= 83, 82 Sec= 9

135 J= 84, 82 Sec= 9

136 J= 9, 85 Sec= 9

137 J= 19, 86 Sec= 9

138 J= 27, 87 Sec= 9

139 J= 88, 87 Sec= 9

140 J= 89, 87 Sec= 9

141 J= 28, 90 Sec= 9

142 J= 91, 90 Sec= 9

143 J= 92, 90 Sec= 9

144 J= 36, 93 Sec= 9

145 J= 94, 93 Sec= 9

146 J= 95, 93 Sec= 9

147 J= 46, 96 Sec= 9

148 J= 97, 96 Sec= 9

149 J= 98, 96 Sec= 9

150 J= 54, 99 Sec= 9

151 J=100, 99 Sec= 9

152 J=101, 99 Sec= 9

153 J= 55, 102 Sec= 9

154 J=103, 102 Sec= 9

155 J=104, 102 Sec= 9

156 J= 63, 105 Sec= 9

157 J= 73, 106 Sec= 9

158 J= 81, 107 Sec= 9

159 J=108, 107 Sec= 9

160 J=109, 107 Sec= 9

LOAD

Name=STEEL : STEEL SELF-WEIGHT LOAD

Type=Distributed Span

Add= 1 RD=0.000, 1.000 Uzp=-14.474, -15.016

Add= 2 RD=0.000, 1.000 Uzp=-15.016, -15.016

Add= 3 RD=0.000, 1.000 Uzp=-15.016, -15.739

Add= 4 RD=0.000, 1.000 Uzp=-15.739, -15.739

Add= 5 RD=0.000, 1.000 Uzp=-15.739, -17.184

Add= 6 RD=0.000, 1.000 Uzp=-17.184, -18.132

Add= 7 RD=0.000, 1.000 Uzp=-18.132, -24.410

Add= 8 RD=0.000, 1.000 Uzp=-24.410, -24.410

Add= 9 RD=0.000, 1.000 Uzp=-24.410, -24.410

Add= 10 RD=0.000, 1.000 Uzp=-24.410, -17.184

Add= 11 RD=

2. 합성 부

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.400 Y=0.000 Z=0.088
3 X= 9.400 Y=0.000 Z=0.188
4 X= 14.400 Y=0.000 Z=0.288
5 X= 19.400 Y=0.000 Z=0.388
6 X= 24.400 Y=0.000 Z=0.488
7 X= 29.400 Y=0.000 Z=0.588
8 X= 34.400 Y=0.000 Z=0.688
9 X= 39.400 Y=0.000 Z=0.788
10 X= 44.400 Y=0.000 Z=0.888
11 X= 49.400 Y=0.000 Z=0.988
12 X= 54.400 Y=0.000 Z=1.088
13 X= 59.400 Y=0.000 Z=1.188
14 X= 64.400 Y=0.000 Z=1.288
15 X= 69.400 Y=0.000 Z=1.388
16 X= 74.400 Y=0.000 Z=1.488
17 X= 79.400 Y=0.000 Z=1.588
18 X= 84.400 Y=0.000 Z=1.688
19 X= 89.400 Y=0.000 Z=1.788
20 X= 94.400 Y=0.000 Z=1.888
21 X= 99.400 Y=0.000 Z=1.988
22 X= 104.400 Y=0.000 Z=2.088
23 X= 109.400 Y=0.000 Z=2.188
24 X= 114.400 Y=0.000 Z=2.288
25 X= 119.400 Y=0.000 Z=2.388
26 X= 124.400 Y=0.000 Z=2.488
27 X= 128.800 Y=0.000 Z=2.576
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.400 Y=-5.000 Z=-0.012
30 X= 9.400 Y=-5.000 Z=0.088
31 X= 14.400 Y=-5.000 Z=0.188
32 X= 19.400 Y=-5.000 Z=0.288
33 X= 24.400 Y=-5.000 Z=0.388
34 X= 29.400 Y=-5.000 Z=0.488
35 X= 34.400 Y=-5.000 Z=0.588
36 X= 39.400 Y=-5.000 Z=0.688
37 X= 44.400 Y=-5.000 Z=0.788
38 X= 49.400 Y=-5.000 Z=0.888
39 X= 54.400 Y=-5.000 Z=0.988
40 X= 59.400 Y=-5.000 Z=1.088
41 X= 64.400 Y=-5.000 Z=1.188
42 X= 69.400 Y=-5.000 Z=1.288
43 X= 74.400 Y=-5.000 Z=1.388
44 X= 79.400 Y=-5.000 Z=1.488
45 X= 84.400 Y=-5.000 Z=1.588
46 X= 89.400 Y=-5.000 Z=1.688
47 X= 94.400 Y=-5.000 Z=1.788
48 X= 99.400 Y=-5.000 Z=1.888
49 X= 104.400 Y=-5.000 Z=1.988
50 X= 109.400 Y=-5.000 Z=2.088
51 X= 114.400 Y=-5.000 Z=2.188
52 X= 119.400 Y=-5.000 Z=2.288
53 X= 124.400 Y=-5.000 Z=2.388
54 X= 128.800 Y=-5.000 Z=2.476
55 X= 0.000 Y=-10.000 Z=-0.200
56 X= 4.400 Y=-10.000 Z=-0.112
57 X= 9.400 Y=-10.000 Z=-0.012
58 X= 14.400 Y=-10.000 Z=0.088
59 X= 19.400 Y=-10.000 Z=0.188
60 X= 24.400 Y=-10.000 Z=0.288
61 X= 29.400 Y=-10.000 Z=0.388
62 X= 34.400 Y=-10.000 Z=0.488
63 X= 39.400 Y=-10.000 Z=0.588
64 X= 44.400 Y=-10.000 Z=0.688
65 X= 49.400 Y=-10.000 Z=0.788
66 X= 54.400 Y=-10.000 Z=0.888

67 X= 59.400 Y=-10.000 Z=0.988
68 X= 64.400 Y=-10.000 Z=1.088
69 X= 69.400 Y=-10.000 Z=1.188
70 X= 74.400 Y=-10.000 Z=1.288
71 X= 79.400 Y=-10.000 Z=1.388
72 X= 84.400 Y=-10.000 Z=1.488
73 X= 89.400 Y=-10.000 Z=1.588
74 X= 94.400 Y=-10.000 Z=1.688
75 X= 99.400 Y=-10.000 Z=1.788
76 X= 104.400 Y=-10.000 Z=1.888
77 X= 109.400 Y=-10.000 Z=1.988
78 X= 114.400 Y=-10.000 Z=2.088
79 X= 119.400 Y=-10.000 Z=2.188
80 X= 124.400 Y=-10.000 Z=2.288
81 X= 128.800 Y=-10.000 Z=2.376
82 X= 0.000 Y=0.000 Z=-0.900
83 X= 0.000 Y=0.748 Z=-0.900
84 X= 0.000 Y=-0.748 Z=-0.900
85 X= 39.400 Y=0.000 Z=-0.212
86 X= 89.400 Y=0.000 Z=0.788
87 X= 128.800 Y=0.000 Z=1.676
88 X= 128.800 Y=0.748 Z=1.676
89 X= 128.800 Y=-0.748 Z=1.676
90 X= 0.000 Y=-5.000 Z=-1.000
91 X= 0.000 Y=-4.252 Z=-1.000
92 X= 0.000 Y=-5.748 Z=-1.000
93 X= 39.400 Y=-5.000 Z=-0.312
94 X= 39.400 Y=-4.252 Z=-0.312
95 X= 39.400 Y=-5.748 Z=-0.312
96 X= 89.400 Y=-5.000 Z=0.688
97 X= 89.400 Y=-4.252 Z=0.688
98 X= 89.400 Y=-5.748 Z=0.688
99 X= 128.800 Y=-5.000 Z=1.576
100 X= 128.800 Y=-4.252 Z=1.576
101 X= 128.800 Y=-5.748 Z=1.576
102 X= 0.000 Y=-10.000 Z=-1.100
103 X= 0.000 Y=-9.252 Z=-1.100
104 X= 0.000 Y=-10.748 Z=-1.100
105 X= 39.400 Y=-10.000 Z=-0.412
106 X= 89.400 Y=-10.000 Z=0.588
107 X= 128.800 Y=-10.000 Z=1.476
108 X= 128.800 Y=-9.252 Z=1.476
109 X= 128.800 Y=-10.748 Z=1.476

LOCAL
ADD= 83 ANG=0.000
ADD= 84 ANG=0.000
ADD= 85 ANG=0.000
ADD= 86 ANG=0.000
ADD= 88 ANG=0.000
ADD= 89 ANG=0.000
ADD= 91 ANG=0.000
ADD= 92 ANG=0.000
ADD= 94 ANG=0.000
ADD= 95 ANG=0.000
ADD= 97 ANG=0.000
ADD= 98 ANG=0.000
ADD= 100 ANG=0.000
ADD= 101 ANG=0.000
ADD= 103 ANG=0.000
ADD= 104 ANG=0.000
ADD= 105 ANG=0.000
ADD= 106 ANG=0.000
ADD= 108 ANG=0.000
ADD= 109 ANG=0.000

RESTRAINT
ADD= 83 DOF= U3,
ADD= 84 DOF= U3,
ADD= 85 DOF= U1, U3,
ADD= 86 DOF= U3,
ADD= 88 DOF= U3,
ADD= 89 DOF= U3,

ADD= 91 DOF= U2, U3,
ADD= 92 DOF= U2, U3,
ADD= 94 DOF= U1, U2, U3,
ADD= 95 DOF= U1, U2, U3,
ADD= 97 DOF= U2, U3,
ADD= 98 DOF= U2, U3,
ADD= 100 DOF= U2, U3,
ADD= 101 DOF= U2, U3,
ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 108 DOF= U3,
ADD= 109 DOF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
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Name=9
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E=2.05e+008
Name=16
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32538 I=0.18044490, 0.68547778 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.33018 I=0.19824781, 0.6952076 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.33658 I=0.21717383, 0.70218361 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.34938 I=0.23620863, 0.71348716 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.35778 I=0.25700944, 0.71958466 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.41338 I=0.34358535, 0.76969112 J=0.29157516 : GIRDER
Name= 7 Mat= 7 A=0.34038 I=0.25624232, 0.71348716 J=0.24236602 : GIRDER
Name= 8 Mat= 8 A=0.30426 I=0.15627911, 0.52996460 J=0.18025749 : GIRDER
Name= 9 Mat= 9 A=0.30906 I=0.19357192, 0.54085123 J=0.21138932 : GIRDER
Name= 10 Mat= 10 A=0.31546 I=0.21180988, 0.54631256 J=0.22774338 : GIRDER
Name= 11 Mat= 11 A=0.32826 I=0.23029161, 0.55723523 J=0.24236602 : GIRDER
Name= 12 Mat= 12 A=0.33666 I=0.25021699, 0.56309157 J=0.24236602 : GIRDER
Name= 13 Mat= 13 A=0.39226 I=0.33492777, 0.61184856 J=0.29157516 : GIRDER
Name= 14 Mat= 14 A=0.32826 I=0.24926429, 0.55723523 J=0.24236602 : GIRDER
Name= 15 Mat= 15 A=0.02040 I=0.00355687, 0.00005416 J=0.00000098 : CROSSBEAM
Name= 16 Mat= 16 A=10.000000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 17 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 18 Type=Nonpr Sec= 2, 1
Name= 19 Type=Nonpr Sec= 2, 3
Name= 20 Type=Nonpr Sec= 2, 5
Name= 21 Type=Nonpr Sec= 3, 2
Name= 22 Type=Nonpr Sec= 3, 4
Name= 23 Type=Nonpr Sec= 4, 2

Name= 24 Type=Nonpr Sec= 4, 3
Name= 25 Type=Nonpr Sec= 4, 5
Name= 26 Type=Nonpr Sec= 5, 4
Name= 27 Type=Nonpr Sec= 5, 6
Name= 28 Type=Nonpr Sec= 5, 7
Name= 29 Type=Nonpr Sec= 6, 5
Name= 30 Type=Nonpr Sec= 6, 7
Name= 31 Type=Nonpr Sec= 7, 4
Name= 32 Type=Nonpr Sec= 7, 6
Name= 33 Type=Nonpr Sec= 8, 9
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 9, 10
Name= 36 Type=Nonpr Sec= 9, 12
Name= 37 Type=Nonpr Sec= 10, 9
Name= 38 Type=Nonpr Sec= 10, 11
Name= 39 Type=Nonpr Sec= 11, 9
Name= 40 Type=Nonpr Sec= 11, 10
Name= 41 Type=Nonpr Sec= 11, 12
Name= 42 Type=Nonpr Sec= 12, 11
Name= 43 Type=Nonpr Sec= 12, 13
Name= 44 Type=Nonpr Sec= 12, 14
Name= 45 Type=Nonpr Sec= 13, 12
Name= 46 Type=Nonpr Sec= 13, 14
Name= 47 Type=Nonpr Sec= 14, 11
Name= 48 Type=Nonpr Sec= 14, 13

FRAME

1 J= 1, 2 Sec=17 Local=12 Pdir=Z, X NSEG=4
2 J= 2, 3 Sec=2
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec=3
5 J= 5, 6 Sec=22
6 J= 6, 7 Sec=25
7 J= 7, 8 Sec=27
8 J= 8, 9 Sec=6
9 J= 9, 10 Sec=6
10 J= 10, 11 Sec=30
11 J= 11, 12 Sec=31
12 J= 12, 13 Sec=23
13 J= 13, 14 Sec=2
14 J= 14, 15 Sec=2
15 J= 15, 16 Sec=20
16 J= 16, 17 Sec=28
17 J= 17, 18 Sec=32
18 J= 18, 19 Sec=6
19 J= 19, 20 Sec=6
20 J= 20, 21 Sec=29
21 J= 21, 22 Sec=26
22 J= 22, 23 Sec=24
23 J= 23, 24 Sec=3
24 J= 24, 25 Sec=21
25 J= 25, 26 Sec=2
26 J= 26, 27 Sec=18
27 J= 28, 29 Sec=33
28 J= 29, 30 Sec=9
29 J= 30, 31 Sec=35
30 J= 31, 32 Sec=10
31 J= 32, 33 Sec=41
32 J= 33, 34 Sec=43
33 J= 34, 35 Sec=43
34 J= 35, 36 Sec=13
35 J= 36, 37 Sec=13
36 J= 37, 38 Sec=46
37 J= 38, 39 Sec=47
38 J= 39, 40 Sec=39
39 J= 40, 41 Sec=9
40 J= 41, 42 Sec=9
41 J= 42, 43 Sec=36
42 J= 43, 44 Sec=44
43 J= 44, 45 Sec=48
44 J= 45, 46 Sec=13
45 J= 46, 47 Sec=13
46 J= 47, 48 Sec=45

47 J= 48, 49 Sec=42
48 J= 49, 50 Sec=40
49 J= 50, 51 Sec=10
50 J= 51, 52 Sec=37
51 J= 52, 53 Sec= 9
52 J= 53, 54 Sec=34
53 J= 55, 56 Sec=17
54 J= 56, 57 Sec= 2
55 J= 57, 58 Sec=19
56 J= 58, 59 Sec= 3
57 J= 59, 60 Sec=22
58 J= 60, 61 Sec=25
59 J= 61, 62 Sec=27
60 J= 62, 63 Sec= 6
61 J= 63, 64 Sec= 6
62 J= 64, 65 Sec=30
63 J= 65, 66 Sec=31
64 J= 66, 67 Sec=23
65 J= 67, 68 Sec= 2
66 J= 68, 69 Sec= 2
67 J= 69, 70 Sec=20
68 J= 70, 71 Sec=28
69 J= 71, 72 Sec=32
70 J= 72, 73 Sec= 6
71 J= 73, 74 Sec= 6
72 J= 74, 75 Sec=29
73 J= 75, 76 Sec=26
74 J= 76, 77 Sec=24
75 J= 77, 78 Sec= 3
76 J= 78, 79 Sec=21
77 J= 79, 80 Sec= 2
78 J= 80, 81 Sec=18
79 J= 1, 28 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
80 J= 2, 29 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
81 J= 3, 30 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
82 J= 4, 31 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
83 J= 5, 32 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
84 J= 6, 33 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
85 J= 7, 34 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
86 J= 8, 35 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
87 J= 9, 36 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
88 J= 10, 37 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
89 J= 11, 38 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
90 J= 12, 39 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
91 J= 13, 40 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
92 J= 14, 41 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
93 J= 15, 42 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
94 J= 16, 43 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
95 J= 17, 44 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
96 J= 18, 45 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
97 J= 19, 46 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
98 J= 20, 47 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
99 J= 21, 48 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
100 J= 22, 49 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
101 J= 23, 50 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
102 J= 24, 51 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
103 J= 25, 52 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
104 J= 26, 53 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
105 J= 27, 54 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
106 J= 28, 55 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
107 J= 29, 56 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
108 J= 30, 57 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
109 J= 31, 58 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
110 J= 32, 59 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
111 J= 33, 60 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
112 J= 34, 61 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
113 J= 35, 62 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
114 J= 36, 63 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
115 J= 37, 64 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
116 J= 38, 65 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
117 J= 39, 66 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
118 J= 40, 67 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
119 J= 41, 68 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0

Add= 29 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 30 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 31 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 32 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 33 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 34 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 35 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 36 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 37 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 38 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 39 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 40 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 41 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 42 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 43 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 44 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 45 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 46 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 47 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 48 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 49 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 50 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 51 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 52 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 53 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 54 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 55 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 56 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 57 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 58 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 59 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 60 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 61 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 62 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 63 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 64 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 65 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 66 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 67 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 68 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 69 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 70 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 71 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 72 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 73 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 74 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 75 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 76 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 77 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646
Add= 78 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, 31.646

COMBO
Name=AFTER Type=ADD :
LOAD=AFTER sf=1,000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

120 J= 42, 69 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
121 J= 43, 70 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
122 J= 44, 71 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
123 J= 45, 72 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
124 J= 46, 73 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
125 J= 47, 74 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
126 J= 48, 75 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
127 J= 49, 76 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
128 J= 50, 77 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
129 J= 51, 78 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
130 J= 52, 79 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
131 J= 53, 80 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
132 J= 54, 81 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1.0
133 J= 1, 82 Sec=16
134 J= 83, 82 Sec=16
135 J= 84, 82 Sec=16
136 J= 9, 85 Sec=16
137 J= 19, 86 Sec=16
138 J= 27, 87 Sec=16
139 J= 88, 87 Sec=16
140 J= 89, 87 Sec=16
141 J= 28, 90 Sec=16
142 J= 91, 90 Sec=16
143 J= 92, 90 Sec=16
144 J= 36, 93 Sec=16
145 J= 94, 93 Sec=16
146 J= 95, 93 Sec=16
147 J= 46, 96 Sec=16
148 J= 97, 96 Sec=16
149 J= 98, 96 Sec=16
150 J= 54, 99 Sec=16
151 J=100, 99 Sec=16
152 J=101, 99 Sec=16
153 J= 55, 102 Sec=16
154 J=103, 102 Sec=16
155 J=104, 102 Sec=16
156 J= 63, 105 Sec=16
157 J= 73, 106 Sec=16
158 J= 81, 107 Sec=16
159 J=108, 107 Sec=16
160 J=109, 107 Sec=16

LOAD
Name=AFTER : AFTER SELF-WEIGHT LOAD (부속시설하중 포함)
Type=Distributed Span
Add= 1 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 2 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 3 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 4 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 5 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 6 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 7 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 8 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 9 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 10 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 11 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 12 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 13 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 14 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 15 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 16 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 17 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 18 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 19 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 20 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 21 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 22 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 23 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 24 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 25 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 26 RD=0.000, 1.000 Uzp=-18.452, -18.452 R1=-31.646, -31.646
Add= 27 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000
Add= 28 RD=0.000, 1.000 Uzp=-16.077, -16.077 R1=-0.000, -0.000

3. 활하중 재하시 < MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN
JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.400 Y=0.000 Z=0.088
3 X= 9.400 Y=0.000 Z=0.188
4 X= 14.400 Y=0.000 Z=0.288
5 X= 19.400 Y=0.000 Z=0.388
6 X= 24.400 Y=0.000 Z=0.488
7 X= 29.400 Y=0.000 Z=0.588
8 X= 34.400 Y=0.000 Z=0.688
9 X= 39.400 Y=0.000 Z=0.788
10 X= 44.400 Y=0.000 Z=0.888
11 X= 49.400 Y=0.000 Z=0.988
12 X= 54.400 Y=0.000 Z=1.088
13 X= 59.400 Y=0.000 Z=1.188
14 X= 64.400 Y=0.000 Z=1.288
15 X= 69.400 Y=0.000 Z=1.388
16 X= 74.400 Y=0.000 Z=1.488
17 X= 79.400 Y=0.000 Z=1.588
18 X= 84.400 Y=0.000 Z=1.688
19 X= 89.400 Y=0.000 Z=1.788
20 X= 94.400 Y=0.000 Z=1.888
21 X= 99.400 Y=0.000 Z=1.988
22 X= 104.400 Y=0.000 Z=2.088
23 X= 109.400 Y=0.000 Z=2.188
24 X= 114.400 Y=0.000 Z=2.288
25 X= 119.400 Y=0.000 Z=2.388
26 X= 124.400 Y=0.000 Z=2.488
27 X= 128.800 Y=0.000 Z=2.576
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.400 Y=-5.000 Z=-0.012
30 X= 9.400 Y=-5.000 Z=0.088
31 X= 14.400 Y=-5.000 Z=0.188
32 X= 19.400 Y=-5.000 Z=0.288
33 X= 24.400 Y=-5.000 Z=0.388
34 X= 29.400 Y=-5.000 Z=0.488
35 X= 34.400 Y=-5.000 Z=0.588
36 X= 39.400 Y=-5.000 Z=0.688
37 X= 44.400 Y=-5.000 Z=0.788
38 X= 49.400 Y=-5.000 Z=0.888
39 X= 54.400 Y=-5.000 Z=0.988
40 X= 59.400 Y=-5.000 Z=1.088
41 X= 64.400 Y=-5.000 Z=1.188
42 X= 69.400 Y=-5.000 Z=1.288
43 X= 74.400 Y=-5.000 Z=1.388
44 X= 79.400 Y=-5.000 Z=1.488
45 X= 84.400 Y=-5.000 Z=1.588
46 X= 89.400 Y=-5.000 Z=1.688
47 X= 94.400 Y=-5.000 Z=1.788
48 X= 99.400 Y=-5.000 Z=1.888
49 X= 104.400 Y=-5.000 Z=1.988
50 X= 109.400 Y=-5.000 Z=2.088
51 X= 114.400 Y=-5.000 Z=2.188
52 X= 119.400 Y=-5.000 Z=2.288
53 X= 124.400 Y=-5.000 Z=2.388
54 X= 128.800 Y=-5.000 Z=2.476
55 X= 0.000 Y=-10.000 Z=-0.200
56 X= 4.400 Y=-10.000 Z=-0.112
57 X= 9.400 Y=-10.000 Z=-0.012
58 X= 14.400 Y=-10.000 Z=0.088
59 X= 19.400 Y=-10.000 Z=0.188
60 X= 24.400 Y=-10.000 Z=0.288
61 X= 29.400 Y=-10.000 Z=0.388
62 X= 34.400 Y=-10.000 Z=0.488
63 X= 39.400 Y=-10.000 Z=0.588
64 X= 44.400 Y=-10.000 Z=0.688
65 X= 49.400 Y=-10.000 Z=0.788
66 X= 54.400 Y=-10.000 Z=0.888

67 X= 59.400 Y=-10.000 Z=0.988
68 X= 64.400 Y=-10.000 Z=1.088
69 X= 69.400 Y=-10.000 Z=1.188
70 X= 74.400 Y=-10.000 Z=1.288
71 X= 79.400 Y=-10.000 Z=1.388
72 X= 84.400 Y=-10.000 Z=1.488
73 X= 89.400 Y=-10.000 Z=1.588
74 X= 94.400 Y=-10.000 Z=1.688
75 X= 99.400 Y=-10.000 Z=1.788
76 X= 104.400 Y=-10.000 Z=1.888
77 X= 109.400 Y=-10.000 Z=1.988
78 X= 114.400 Y=-10.000 Z=2.088
79 X= 119.400 Y=-10.000 Z=2.188
80 X= 124.400 Y=-10.000 Z=2.288
81 X= 128.800 Y=-10.000 Z=2.376
82 X= 0.000 Y=0.000 Z=-0.900
83 X= 0.000 Y=0.748 Z=-0.900
84 X= 0.000 Y=-0.748 Z=-0.900
85 X= 39.400 Y=0.000 Z=-0.212
86 X= 89.400 Y=0.000 Z=0.788
87 X= 128.800 Y=0.000 Z=1.676
88 X= 128.800 Y=0.748 Z=1.676
89 X= 128.800 Y=-0.748 Z=1.676
90 X= 0.000 Y=-5.000 Z=-1.000
91 X= 0.000 Y=-4.252 Z=-1.000
92 X= 0.000 Y=-5.748 Z=-1.000
93 X= 39.400 Y=-5.000 Z=-0.312
94 X= 39.400 Y=-4.252 Z=-0.312
95 X= 39.400 Y=-5.748 Z=-0.312
96 X= 89.400 Y=-5.000 Z=0.688
97 X= 89.400 Y=-4.252 Z=0.688
98 X= 89.400 Y=-5.748 Z=0.688
99 X= 128.800 Y=-5.000 Z=1.576
100 X= 128.800 Y=-4.252 Z=1.576
101 X= 128.800 Y=-5.748 Z=1.576
102 X= 0.000 Y=-10.000 Z=-1.100
103 X= 0.000 Y=-9.252 Z=-1.100
104 X= 0.000 Y=-10.748 Z=-1.100
105 X= 39.400 Y=-10.000 Z=-0.412
106 X= 89.400 Y=-10.000 Z=-0.588
107 X= 128.800 Y=-10.000 Z=1.476
108 X= 128.800 Y=-9.252 Z=1.476
109 X= 128.800 Y=-10.748 Z=1.476

LOCAL

ADD= 83 ANG=0.000
ADD= 84 ANG=0.000
ADD= 85 ANG=0.000
ADD= 86 ANG=0.000
ADD= 88 ANG=0.000
ADD= 89 ANG=0.000
ADD= 91 ANG=0.000
ADD= 92 ANG=0.000
ADD= 94 ANG=0.000
ADD= 95 ANG=0.000
ADD= 97 ANG=0.000
ADD= 98 ANG=0.000
ADD= 100 ANG=0.000
ADD= 101 ANG=0.000
ADD= 103 ANG=0.000
ADD= 104 ANG=0.000
ADD= 105 ANG=0.000
ADD= 106 ANG=0.000
ADD= 108 ANG=0.000
ADD= 109 ANG=0.000

RESTRAINT

ADD= 83 DOF= U3,
ADD= 84 DOF= U3,
ADD= 85 DOF= U1, U3,
ADD= 86 DOF= U3,
ADD= 88 DOF= U3,
ADD= 89 DOF= U3,

ADD= 91 DOF= U2, U3,
ADD= 92 DOF= U2, U3,
ADD= 94 DOF= U1, U2, U3,
ADD= 95 DOF= U1, U2, U3,
ADD= 97 DOF= U2, U3,
ADD= 98 DOF= U2, U3,
ADD= 100 DOF= U2, U3,
ADD= 101 DOF= U2, U3,
ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 108 DOF= U3,
ADD= 109 DOF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
Name=12
E=2.05e+008
Name=13
E=2.05e+008
Name=14
E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32538 I=0.1804490, 0.68547778 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.33018 I=0.19824781, 0.6852076 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.33658 I=0.21717383, 0.70218361 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.34938 I=0.23620863, 0.71348716 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.35778 I=0.25700944, 0.71958466 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.41338 I=0.34358535, 0.76965112 J=0.29157516 : GIRDER
Name= 7 Mat= 7 A=0.34038 I=0.25624232, 0.71348716 J=0.24236602 : GIRDER
Name= 8 Mat= 8 A=0.30426 I=0.15627911, 0.52996460 J=0.18025749 : GIRDER
Name= 9 Mat= 9 A=0.30906 I=0.19357192, 0.54085123 J=0.21138932 : GIRDER
Name= 10 Mat= 10 A=0.31546 I=0.21180988, 0.54631256 J=0.22774338 : GIRDER
Name= 11 Mat= 11 A=0.32826 I=0.23029161, 0.55723523 J=0.24236602 : GIRDER
Name= 12 Mat= 12 A=0.33665 I=0.25021699, 0.56309157 J=0.24236602 : GIRDER
Name= 13 Mat= 13 A=0.39226 I=0.33409277, 0.61184856 J=0.29157516 : GIRDER
Name= 14 Mat= 14 A=0.32826 I=0.24926429, 0.55723523 J=0.24236602 : GIRDER
Name= 15 Mat= 15 A=0.02040 I=0.00355687, 0.00005416 J=0.00000098 : CROSSBEAM
Name= 16 Mat= 16 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 17 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 18 Type=Nonpr Sec= 2, 1
Name= 19 Type=Nonpr Sec= 2, 3
Name= 20 Type=Nonpr Sec= 2, 5
Name= 21 Type=Nonpr Sec= 3, 2
Name= 22 Type=Nonpr Sec= 3, 4
Name= 23 Type=Nonpr Sec= 4, 2

Name= 24 Type=Nonpr Sec= 4, 3
Name= 25 Type=Nonpr Sec= 4, 5
Name= 26 Type=Nonpr Sec= 5, 4
Name= 27 Type=Nonpr Sec= 5, 6
Name= 28 Type=Nonpr Sec= 5, 7
Name= 29 Type=Nonpr Sec= 6, 5
Name= 30 Type=Nonpr Sec= 6, 7
Name= 31 Type=Nonpr Sec= 7, 4
Name= 32 Type=Nonpr Sec= 7, 6
Name= 33 Type=Nonpr Sec= 8, 9
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 9, 10
Name= 36 Type=Nonpr Sec= 9, 12
Name= 37 Type=Nonpr Sec= 10, 9
Name= 38 Type=Nonpr Sec= 10, 11
Name= 39 Type=Nonpr Sec= 11, 9
Name= 40 Type=Nonpr Sec= 11, 10
Name= 41 Type=Nonpr Sec= 11, 12
Name= 42 Type=Nonpr Sec= 12, 11
Name= 43 Type=Nonpr Sec= 12, 13
Name= 44 Type=Nonpr Sec= 12, 14
Name= 45 Type=Nonpr Sec= 13, 12
Name= 46 Type=Nonpr Sec= 13, 14
Name= 47 Type=Nonpr Sec= 14, 11
Name= 48 Type=Nonpr Sec= 14, 13

FRAME

1 J= 1, 2 Sec=17 Local=12 Pdir=Z,X NSEQ=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=22
6 J= 6, 7 Sec=25
7 J= 7, 8 Sec=27
8 J= 8, 9 Sec= 6
9 J= 9, 10 Sec= 6
10 J= 10, 11 Sec=30
11 J= 11, 12 Sec=31
12 J= 12, 13 Sec=23
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=20
16 J= 16, 17 Sec=28
17 J= 17, 18 Sec=32
18 J= 18, 19 Sec= 6
19 J= 19, 20 Sec= 6
20 J= 20, 21 Sec=29
21 J= 21, 22 Sec=26
22 J= 22, 23 Sec=24
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=21
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=18
27 J= 28, 29 Sec=33
28 J= 29, 30 Sec= 9
29 J= 30, 31 Sec=35
30 J= 31, 32 Sec=10
31 J= 32, 33 Sec=38
32 J= 33, 34 Sec=41
33 J= 34, 35 Sec=43
34 J= 35, 36 Sec=13
35 J= 36, 37 Sec=13
36 J= 37, 38 Sec=46
37 J= 38, 39 Sec=47
38 J= 39, 40 Sec=39
39 J= 40, 41 Sec= 9
40 J= 41, 42 Sec= 9
41 J= 42, 43 Sec=36
42 J= 43, 44 Sec=44
43 J= 44, 45 Sec=48
44 J= 45, 46 Sec=13
45 J= 46, 47 Sec=13
46 J= 47, 48 Sec=45

47 J= 48, 49 Sec=42
48 J= 49, 50 Sec=40
49 J= 50, 51 Sec=10
50 J= 51, 52 Sec=37
51 J= 52, 53 Sec= 9
52 J= 53, 54 Sec=34
53 J= 55, 56 Sec=17
54 J= 56, 57 Sec= 2
55 J= 57, 58 Sec=19
56 J= 58, 59 Sec= 3
57 J= 59, 60 Sec=22
58 J= 60, 61 Sec=25
59 J= 61, 62 Sec=27
60 J= 62, 63 Sec= 6
61 J= 63, 64 Sec= 6
62 J= 64, 65 Sec=30
63 J= 65, 66 Sec=31
64 J= 66, 67 Sec=23
65 J= 67, 68 Sec= 2
66 J= 68, 69 Sec= 2
67 J= 69, 70 Sec=20
68 J= 70, 71 Sec=28
69 J= 71, 72 Sec=32
70 J= 72, 73 Sec= 6
71 J= 73, 74 Sec= 6
72 J= 74, 75 Sec=29
73 J= 75, 76 Sec=26
74 J= 76, 77 Sec=24
75 J= 77, 78 Sec= 3
76 J= 78, 79 Sec=21
77 J= 79, 80 Sec= 2
78 J= 80, 81 Sec=18
79 J= 1, 28 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
80 J= 2, 29 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
81 J= 3, 30 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
82 J= 4, 31 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
83 J= 5, 32 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
84 J= 6, 33 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
85 J= 7, 34 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
86 J= 8, 35 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
87 J= 9, 36 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
88 J= 10, 37 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
89 J= 11, 38 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
90 J= 12, 39 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
91 J= 13, 40 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
92 J= 14, 41 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
93 J= 15, 42 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
94 J= 16, 43 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
95 J= 17, 44 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
96 J= 18, 45 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
97 J= 19, 46 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
98 J= 20, 47 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
99 J= 21, 48 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
100 J= 22, 49 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
101 J= 23, 50 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
102 J= 24, 51 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
103 J= 25, 52 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
104 J= 26, 53 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
105 J= 27, 54 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
106 J= 28, 55 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
107 J= 29, 56 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
108 J= 30, 57 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
109 J= 31, 58 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
110 J= 32, 59 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
111 J= 33, 60 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
112 J= 34, 61 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
113 J= 35, 62 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
114 J= 36, 63 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
115 J= 37, 64 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
116 J= 38, 65 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
117 J= 39, 66 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
118 J= 40, 67 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
119 J= 41, 68 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0

120 J= 42, 69 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
121 J= 43, 70 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
122 J= 44, 71 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
123 J= 45, 72 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
124 J= 46, 73 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
125 J= 47, 74 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
126 J= 48, 75 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
127 J= 49, 76 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
128 J= 50, 77 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
129 J= 51, 78 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
130 J= 52, 79 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
131 J= 53, 80 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
132 J= 54, 81 Sec=15 IOFF=1.500 JOFF=1.500 RIGID=1.0
133 J= 1, 82 Sec=16
134 J= 83, 82 Sec=16
135 J= 84, 82 Sec=16
136 J= 9, 85 Sec=16
137 J= 19, 86 Sec=16
138 J= 27, 87 Sec=16
139 J= 88, 87 Sec=16
140 J= 89, 87 Sec=16
141 J= 28, 90 Sec=16
142 J= 91, 90 Sec=16
143 J= 92, 90 Sec=16
144 J= 36, 93 Sec=16
145 J= 94, 93 Sec=16
146 J= 95, 93 Sec=16
147 J= 46, 96 Sec=16
148 J= 97, 96 Sec=16
149 J= 98, 96 Sec=16
150 J= 54, 99 Sec=16
151 J=100, 99 Sec=16
152 J=101, 99 Sec=16
153 J= 55, 102 Sec=16
154 J=103, 102 Sec=16
155 J=104, 102 Sec=16
156 J= 63, 105 Sec=16
157 J= 73, 106 Sec=16
158 J= 81, 107 Sec=16
159 J=108, 107 Sec=16
160 J=109, 107 Sec=16

LANE
: Case = 1 ----- G1 Max DB 1선
Name=L1G1
Path= 1, 8, 1, Ecc=0.961
Path= 9, 18, 1, Ecc=0.961
Path= 19, 26, 1, Ecc=0.961
Name=L1G2
Path= 27, 34, 1, Ecc=2.202
Path= 35, 44, 1, Ecc=2.202
Path= 45, 52, 1, Ecc=2.202
Name=L1G3
Path= 53, 60, 1, Ecc=1.826
Path= 61, 70, 1, Ecc=1.826
Path= 71, 78, 1, Ecc=1.826

: Case = 2 ----- G1 Max DB 2선
Name=L2G1
Path= 1, 8, 1, Ecc=0.133
Path= 9, 18, 1, Ecc=0.133
Path= 19, 26, 1, Ecc=0.133
Name=L2G2
Path= 27, 34, 1, Ecc=1.562
Path= 35, 44, 1, Ecc=1.562
Path= 45, 52, 1, Ecc=1.562
Name=L2G3
Path= 53, 60, 1, Ecc=1.828
Path= 61, 70, 1, Ecc=1.828
Path= 71, 78, 1, Ecc=1.828

: Case = 3 ----- G1 Max DB 3선
Name=L3G1

Name=L8G2
Path= 27, 34, 1, Ecc=-2.202
Path= 35, 44, 1, Ecc=-2.202
Path= 45, 52, 1, Ecc=-2.202
Name=L8G3
Path= 53, 60, 1, Ecc=-0.961
Path= 61, 70, 1, Ecc=-0.961
Path= 71, 78, 1, Ecc=-0.961

: Case = 9 ----- G3 Max DB 2선
Name=L9G1
Path= 1, 8, 1, Ecc=-1.828
Path= 9, 18, 1, Ecc=-1.828
Path= 19, 26, 1, Ecc=-1.828
Name=L9G2
Path= 27, 34, 1, Ecc=-1.562
Path= 35, 44, 1, Ecc=-1.562
Path= 45, 52, 1, Ecc=-1.562
Name=L9G3
Path= 53, 60, 1, Ecc=-0.133
Path= 61, 70, 1, Ecc=-0.133
Path= 71, 78, 1, Ecc=-0.133

: Case = 10 ----- G3 Max DB 3선
Name=L10G1
Path= 1, 8, 1, Ecc=-1.752
Path= 9, 18, 1, Ecc=-1.752
Path= 19, 26, 1, Ecc=-1.752
Name=L10G2
Path= 27, 34, 1, Ecc=0.089
Path= 35, 44, 1, Ecc=0.089
Path= 45, 52, 1, Ecc=0.089
Name=L10G3
Path= 53, 60, 1, Ecc=-0.215
Path= 61, 70, 1, Ecc=-0.215
Path= 71, 78, 1, Ecc=-0.215

: Case = 11 ----- G3 Max DB 4선
Name=L11G1
Path= 1, 8, 1, Ecc=-0.670
Path= 9, 18, 1, Ecc=-0.670
Path= 19, 26, 1, Ecc=-0.670
Name=L11G2
Path= 27, 34, 1, Ecc=-0.088
Path= 35, 44, 1, Ecc=-0.088
Path= 45, 52, 1, Ecc=-0.088
Name=L11G3
Path= 53, 60, 1, Ecc=-0.226
Path= 61, 70, 1, Ecc=-0.226
Path= 71, 78, 1, Ecc=-0.226

: Case = 12 ----- G1 Max DL 1선
Name=L12G1
Path= 1, 8, 1, Ecc=0.961
Path= 9, 18, 1, Ecc=0.961
Path= 19, 26, 1, Ecc=0.961
Name=L12G2
Path= 27, 34, 1, Ecc=2.202
Path= 35, 44, 1, Ecc=2.202
Path= 45, 52, 1, Ecc=2.202
Name=L12G3
Path= 53, 60, 1, Ecc=1.827
Path= 61, 70, 1, Ecc=1.827
Path= 71, 78, 1, Ecc=1.827

: Case = 13 ----- G1 Max DL 2선
Name=L13G1
Path= 1, 8, 1, Ecc=0.128
Path= 9, 18, 1, Ecc=0.128
Path= 19, 26, 1, Ecc=0.128
Name=L13G2
Path= 27, 34, 1, Ecc=1.595
Path= 35, 44, 1, Ecc=1.595

Path= 1, 8, 1, Ecc=0.215
Path= 9, 18, 1, Ecc=0.215
Path= 19, 26, 1, Ecc=0.215
Name=L3G2
Path= 27, 34, 1, Ecc=-0.089
Path= 35, 44, 1, Ecc=-0.089
Path= 45, 52, 1, Ecc=-0.089
Name=L3G3
Path= 53, 60, 1, Ecc=1.752
Path= 61, 70, 1, Ecc=1.752
Path= 71, 78, 1, Ecc=1.752

: Case = 4 ----- G1 Max DB 4선
Name=L4G1
Path= 1, 8, 1, Ecc=0.226
Path= 9, 18, 1, Ecc=0.226
Path= 19, 26, 1, Ecc=0.226
Name=L4G2
Path= 27, 34, 1, Ecc=0.088
Path= 35, 44, 1, Ecc=0.088
Path= 45, 52, 1, Ecc=0.088
Name=L4G3
Path= 53, 60, 1, Ecc=0.670
Path= 61, 70, 1, Ecc=0.670
Path= 71, 78, 1, Ecc=0.670

: Case = 5 ----- G2 Max DB 1선
Name=L5G1
Path= 1, 8, 1, Ecc=-1.826
Path= 9, 18, 1, Ecc=-1.826
Path= 19, 26, 1, Ecc=-1.826
Name=L5G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L5G3
Path= 53, 60, 1, Ecc=1.826
Path= 61, 70, 1, Ecc=1.826
Path= 71, 78, 1, Ecc=1.826

: Case = 6 ----- G2 Max DB 2선
Name=L6G1
Path= 1, 8, 1, Ecc=-1.685
Path= 9, 18, 1, Ecc=-1.685
Path= 19, 26, 1, Ecc=-1.685
Name=L6G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L6G3
Path= 53, 60, 1, Ecc=1.685
Path= 61, 70, 1, Ecc=1.685
Path= 71, 78, 1, Ecc=1.685

: Case = 7 ----- G2 Max DB 3선
Name=L7G1
Path= 1, 8, 1, Ecc=-1.136
Path= 9, 18, 1, Ecc=-1.136
Path= 19, 26, 1, Ecc=-1.136
Name=L7G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L7G3
Path= 53, 60, 1, Ecc=1.136
Path= 61, 70, 1, Ecc=1.136
Path= 71, 78, 1, Ecc=1.136

: Case = 8 ----- G3 Max DB 1선
Name=L8G1
Path= 1, 8, 1, Ecc=-1.826
Path= 9, 18, 1, Ecc=-1.826
Path= 19, 26, 1, Ecc=-1.826

Path= 45, 52, 1, Ecc=1.595
Name=L13G3
Path= 53, 60, 1, Ecc=1.826
Path= 61, 70, 1, Ecc=1.826
Path= 71, 78, 1, Ecc=1.826

: Case = 14 ----- G1 Max DL 3선
Name=L14G1
Path= 1, 8, 1, Ecc=0.204
Path= 9, 18, 1, Ecc=0.204
Path= 19, 26, 1, Ecc=0.204
Name=L14G2
Path= 27, 34, 1, Ecc=-0.120
Path= 35, 44, 1, Ecc=-0.120
Path= 45, 52, 1, Ecc=-0.120
Name=L14G3
Path= 53, 60, 1, Ecc=-0.046
Path= 61, 70, 1, Ecc=-0.046
Path= 71, 78, 1, Ecc=-0.046

: Case = 15 ----- G1 Max DL 4선
Name=L15G1
Path= 1, 8, 1, Ecc=0.215
Path= 9, 18, 1, Ecc=0.215
Path= 19, 26, 1, Ecc=0.215
Name=L15G2
Path= 27, 34, 1, Ecc=0.063
Path= 35, 44, 1, Ecc=0.063
Path= 45, 52, 1, Ecc=0.063
Name=L15G3
Path= 53, 60, 1, Ecc=0.669
Path= 61, 70, 1, Ecc=0.669
Path= 71, 78, 1, Ecc=0.669

: Case = 16 ----- G2 Max DL 1선
Name=L16G1
Path= 1, 8, 1, Ecc=0.000
Path= 9, 18, 1, Ecc=0.000
Path= 19, 26, 1, Ecc=0.000
Name=L16G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L16G3
Path= 53, 60, 1, Ecc=0.000
Path= 61, 70, 1, Ecc=0.000
Path= 71, 78, 1, Ecc=0.000

: Case = 17 ----- G2 Max DL 2선
Name=L17G1
Path= 1, 8, 1, Ecc=-1.635
Path= 9, 18, 1, Ecc=-1.635
Path= 19, 26, 1, Ecc=-1.635
Name=L17G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L17G3
Path= 53, 60, 1, Ecc=1.635
Path= 61, 70, 1, Ecc=1.635
Path= 71, 78, 1, Ecc=1.635

: Case = 18 ----- G2 Max DL 3선
Name=L18G1
Path= 1, 8, 1, Ecc=-1.245
Path= 9, 18, 1, Ecc=-1.245
Path= 19, 26, 1, Ecc=-1.245
Name=L18G2
Path= 27, 34, 1, Ecc=0.000
Path= 35, 44, 1, Ecc=0.000
Path= 45, 52, 1, Ecc=0.000
Name=L18G3
Path= 53, 60, 1, Ecc=1.245

Path= 61, 70, 1, Ecc=1.245
Path= 71, 78, 1, Ecc=1.245

: Case = 19 ----- G3 Max DL 1선
Name=L19G1
Path= 1, 8, 1, Ecc=-1.827
Path= 9, 18, 1, Ecc=-1.827
Path= 19, 26, 1, Ecc=-1.827
Name=L19G2
Path= 27, 34, 1, Ecc=-2.202
Path= 35, 44, 1, Ecc=-2.202
Path= 45, 52, 1, Ecc=-2.202
Name=L19G3
Path= 53, 60, 1, Ecc=-0.961
Path= 61, 70, 1, Ecc=-0.961
Path= 71, 78, 1, Ecc=-0.961

: Case = 20 ----- G3 Max DL 2선
Name=L20G1
Path= 1, 8, 1, Ecc=-1.826
Path= 9, 18, 1, Ecc=-1.826
Path= 19, 26, 1, Ecc=-1.826
Name=L20G2
Path= 27, 34, 1, Ecc=-1.595
Path= 35, 44, 1, Ecc=-1.595
Path= 45, 52, 1, Ecc=-1.595
Name=L20G3
Path= 53, 60, 1, Ecc=-0.128
Path= 61, 70, 1, Ecc=-0.128
Path= 71, 78, 1, Ecc=-0.128

: Case = 21 ----- G3 Max DL 3선
Name=L21G1
Path= 1, 8, 1, Ecc=0.046
Path= 9, 18, 1, Ecc=0.046
Path= 19, 26, 1, Ecc=0.046
Name=L21G2
Path= 27, 34, 1, Ecc=0.120
Path= 35, 44, 1, Ecc=0.120
Path= 45, 52, 1, Ecc=0.120
Name=L21G3
Path= 53, 60, 1, Ecc=-0.204
Path= 61, 70, 1, Ecc=-0.204
Path= 71, 78, 1, Ecc=-0.204

: Case = 22 ----- G3 Max DL 4선
Name=L22G1
Path= 1, 8, 1, Ecc=-0.669
Path= 9, 18, 1, Ecc=-0.669
Path= 19, 26, 1, Ecc=-0.669
Name=L22G2
Path= 27, 34, 1, Ecc=-0.063
Path= 35, 44, 1, Ecc=-0.063
Path= 45, 52, 1, Ecc=-0.063
Name=L22G3
Path= 53, 60, 1, Ecc=-0.215
Path= 61, 70, 1, Ecc=-0.215
Path= 71, 78, 1, Ecc=-0.215

VEHICLES

Name=1 TYPE=Gen : DB-24
P=24,000
D=4,200 P=96,000
D=4,200 9,000 P=96,000

Name=2 TYPE=Gen : DL-24
W=4,233 PM=36,000 PXM=52,000

Vehicle Class

Name=1
Vehi=1
Name=2

Vehi=2

Bridge Response
Elem=Frame
Add=+
Elem=Joint Type=DISP
Add=+
Elem=Joint Type=REAC
Add=+

MOVING LOAD

Name= 1 Rf=1.000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.092

Name= 2 Rf=1.000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.130
Lane= L2G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.964
Lane= L2G3 Class=1 Lmin= 1 Lmax= 1 Sf=0.005

Name= 3 Rf=0.900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.004
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.964
Lane= L3G3 Class=1 Lmin= 1 Lmax= 1 Sf=0.032

Name= 4 Rf=0.750 : G1 Max DB 4선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.999
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.735
Lane= L4G3 Class=1 Lmin= 1 Lmax= 1 Sf=2.277

Name= 5 Rf=1.000 : G2 Max DB 1선
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.408

Name= 6 Rf=1.000 : G2 Max DB 2선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.194
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=3.611
Lane= L6G3 Class=1 Lmin= 1 Lmax= 1 Sf=0.194

Name= 7 Rf=0.900 : G2 Max DB 3선
Lane= L7G1 Class=1 Lmin= 1 Lmax= 1 Sf=1.619
Lane= L7G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.761
Lane= L7G3 Class=1 Lmin= 1 Lmax= 1 Sf=1.619

Name= 8 Rf=1.000 : G3 Max DB 1선
Lane= L8G3 Class=1 Lmin= 1 Lmax= 1 Sf=2.092

Name= 9 Rf=1.000 : G3 Max DB 2선
Lane= L9G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.005
Lane= L9G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.865
Lane= L9G3 Class=1 Lmin= 1 Lmax= 1 Sf=3.130

Name= 10 Rf=0.900 : G3 Max DB 3선
Lane= L10G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.032
Lane= L10G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.964
Lane= L10G3 Class=1 Lmin= 1 Lmax= 1 Sf=3.004

Name= 11 Rf=0.750 : G3 Max DB 4선
Lane= L11G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.277
Lane= L11G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.735
Lane= L11G3 Class=1 Lmin= 1 Lmax= 1 Sf=2.989

Name= 12 Rf=1.000 : G1 Max DL 1선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.138

Name= 13 Rf=1.000 : G1 Max DL 2선
Lane= L13G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.696
Lane= L13G2 Class=2 Lmin= 1 Lmax= 1 Sf=1.292
Lane= L13G3 Class=2 Lmin= 1 Lmax= 1 Sf=0.012

Name= 14 Rf=0.900 : G1 Max DL 3선
Lane= L14G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.519
Lane= L14G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.475
Lane= L14G3 Class=2 Lmin= 1 Lmax= 1 Sf=0.006

Name= 15 Rf=0.750 : G1 Max DL 4선
Lane= L15G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.494
Lane= L15G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.113
Lane= L15G3 Class=2 Lmin= 1 Lmax= 1 Sf=3.393

Name= 16 Rf=1.000 : G2 Max DL 1선

Name= 17 Rf=1.000 : G2 Max DL 2선
Lane= L17G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.256
Lane= L17G2 Class=2 Lmin= 1 Lmax= 1 Sf=5.488
Lane= L17G3 Class=2 Lmin= 1 Lmax= 1 Sf=0.256

Name= 18 Rf=0.900 : G2 Max DL 3선
Lane= L18G1 Class=2 Lmin= 1 Lmax= 1 Sf=2.781
Lane= L18G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.438
Lane= L18G3 Class=2 Lmin= 1 Lmax= 1 Sf=2.781

Name= 19 Rf=1.000 : G3 Max DL 1선
Lane= L19G3 Class=2 Lmin= 1 Lmax= 1 Sf=3.138

Name= 20 Rf=1.000 : G3 Max DL 2선
Lane= L20G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.012
Lane= L20G2 Class=2 Lmin= 1 Lmax= 1 Sf=1.292
Lane= L20G3 Class=2 Lmin= 1 Lmax= 1 Sf=4.696

Name= 21 Rf=0.900 : G3 Max DL 3선
Lane= L21G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.006
Lane= L21G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.475
Lane= L21G3 Class=2 Lmin= 1 Lmax= 1 Sf=4.519

Name= 22 Rf=0.750 : G3 Max DL 4선
Lane= L22G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.393
Lane= L22G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.113
Lane= L22G3 Class=2 Lmin= 1 Lmax= 1 Sf=4.494

COMBO

Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1.189

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1.189

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1.189

Name=G1XDB4 Type=ENVE : G1 Max DB 4선
MOVE=4 sf=1.189

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=5 sf=1.189

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=6 sf=1.189

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=7 sf=1.189

Name=G3XDB1 Type=ENVE : G3 Max DB 1선
MOVE=8 sf=1.189

Name=G3XDB2 Type=ENVE : G3 Max DB 2선
MOVE=9 sf=1.189

Name=G3XDB3 Type=ENVE : G3 Max DB 3선
MOVE=10 sf=1.189

Name=G3XDB4 Type=ENVE : G3 Max DB 4선
MOVE=11 sf=1.189

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=12 sf=1.189

Name=G1XDL2 Type=ENVE : G1 Max DL 2선

MOVE=13 sf=1.189

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=14 sf=1.189

Name=G1XDL4 Type=ENVE : G1 Max DL 4선
MOVE=15 sf=1.189

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=16 sf=1.189

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=17 sf=1.189

Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=18 sf=1.189

Name=G3XDL1 Type=ENVE : G3 Max DL 1선
MOVE=19 sf=1.189

Name=G3XDL2 Type=ENVE : G3 Max DL 2선
MOVE=20 sf=1.189

Name=G3XDL3 Type=ENVE : G3 Max DL 3선
MOVE=21 sf=1.189

Name=G3XDL4 Type=ENVE : G3 Max DL 4선
MOVE=22 sf=1.189

Name=DB Type=ENVE :
COMB=G1XDB1 sf=1.000
COMB=G1XDB2 sf=1.000
COMB=G1XDB3 sf=1.000
COMB=G1XDB4 sf=1.000
COMB=G2XDB1 sf=1.000
COMB=G2XDB2 sf=1.000
COMB=G2XDB3 sf=1.000
COMB=G3XDB1 sf=1.000
COMB=G3XDB2 sf=1.000
COMB=G3XDB3 sf=1.000
COMB=G3XDB4 sf=1.000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1.000
COMB=G1XDL2 sf=1.000
COMB=G1XDL3 sf=1.000
COMB=G1XDL4 sf=1.000
COMB=G2XDL1 sf=1.000
COMB=G2XDL2 sf=1.000
COMB=G2XDL3 sf=1.000
COMB=G3XDL1 sf=1.000
COMB=G3XDL2 sf=1.000
COMB=G3XDL3 sf=1.000
COMB=G3XDL4 sf=1.000

Name=CAR Type=ENVE :
COMB=DB sf=1.000
COMB=DL sf=1.000

Name=DESIGN Type=ENVE :
COMB=CAR sf=1.000

OUTPUT

ELEM=JOINT TYPE=DISP,REAC LOAD=+ COMB=+
ELEM=FRAME TYPE=FORCE LOAD=+ COMB=+

4) 不等 settlements

< UNEQUAL SETTLEMENT >

SYSTEM

LENGTH=M

FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.400 Y=0.000 Z=0.088
3 X= 9.400 Y=0.000 Z=0.188
4 X= 14.400 Y=0.000 Z=0.288
5 X= 19.400 Y=0.000 Z=0.388
6 X= 24.400 Y=0.000 Z=0.488
7 X= 29.400 Y=0.000 Z=0.588
8 X= 34.400 Y=0.000 Z=0.688
9 X= 39.400 Y=0.000 Z=0.788
10 X= 44.400 Y=0.000 Z=0.888
11 X= 49.400 Y=0.000 Z=0.988
12 X= 54.400 Y=0.000 Z=1.088
13 X= 59.400 Y=0.000 Z=1.188
14 X= 64.400 Y=0.000 Z=1.288
15 X= 69.400 Y=0.000 Z=1.388
16 X= 74.400 Y=0.000 Z=1.488
17 X= 79.400 Y=0.000 Z=1.588
18 X= 84.400 Y=0.000 Z=1.688
19 X= 89.400 Y=0.000 Z=1.788
20 X= 94.400 Y=0.000 Z=1.888
21 X= 99.400 Y=0.000 Z=1.988
22 X= 104.400 Y=0.000 Z=2.088
23 X= 109.400 Y=0.000 Z=2.188
24 X= 114.400 Y=0.000 Z=2.288
25 X= 119.400 Y=0.000 Z=2.388
26 X= 124.400 Y=0.000 Z=2.488
27 X= 128.800 Y=0.000 Z=2.576
28 X= 0.000 Y=-5.000 Z=-0.100
29 X= 4.400 Y=-5.000 Z=-0.012
30 X= 9.400 Y=-5.000 Z=0.088
31 X= 14.400 Y=-5.000 Z=0.188
32 X= 19.400 Y=-5.000 Z=0.288
33 X= 24.400 Y=-5.000 Z=0.388
34 X= 29.400 Y=-5.000 Z=0.488
35 X= 34.400 Y=-5.000 Z=0.588
36 X= 39.400 Y=-5.000 Z=0.688
37 X= 44.400 Y=-5.000 Z=0.788
38 X= 49.400 Y=-5.000 Z=0.888
39 X= 54.400 Y=-5.000 Z=0.988
40 X= 59.400 Y=-5.000 Z=1.088
41 X= 64.400 Y=-5.000 Z=1.188
42 X= 69.400 Y=-5.000 Z=1.288
43 X= 74.400 Y=-5.000 Z=1.388
44 X= 79.400 Y=-5.000 Z=1.488
45 X= 84.400 Y=-5.000 Z=1.588
46 X= 89.400 Y=-5.000 Z=1.688
47 X= 94.400 Y=-5.000 Z=1.788
48 X= 99.400 Y=-5.000 Z=1.888
49 X= 104.400 Y=-5.000 Z=1.988
50 X= 109.400 Y=-5.000 Z=2.088
51 X= 114.400 Y=-5.000 Z=2.188
52 X= 119.400 Y=-5.000 Z=2.288
53 X= 124.400 Y=-5.000 Z=2.388
54 X= 128.800 Y=-5.000 Z=2.476
55 X= 0.000 Y=-10.000 Z=-0.200
56 X= 4.400 Y=-10.000 Z=-0.112
57 X= 9.400 Y=-10.000 Z=-0.012
58 X= 14.400 Y=-10.000 Z=0.088
59 X= 19.400 Y=-10.000 Z=0.188
60 X= 24.400 Y=-10.000 Z=0.288
61 X= 29.400 Y=-10.000 Z=0.388
62 X= 34.400 Y=-10.000 Z=0.488
63 X= 39.400 Y=-10.000 Z=0.588
64 X= 44.400 Y=-10.000 Z=0.688
65 X= 49.400 Y=-10.000 Z=0.788
66 X= 54.400 Y=-10.000 Z=0.888

67 X= 59.400 Y=-10.000 Z=0.988
68 X= 64.400 Y=-10.000 Z=1.088
69 X= 69.400 Y=-10.000 Z=1.188
70 X= 74.400 Y=-10.000 Z=1.288
71 X= 79.400 Y=-10.000 Z=1.388
72 X= 84.400 Y=-10.000 Z=1.488
73 X= 89.400 Y=-10.000 Z=1.588
74 X= 94.400 Y=-10.000 Z=1.688
75 X= 99.400 Y=-10.000 Z=1.788
76 X= 104.400 Y=-10.000 Z=1.888
77 X= 109.400 Y=-10.000 Z=1.988
78 X= 114.400 Y=-10.000 Z=2.088
79 X= 119.400 Y=-10.000 Z=2.188
80 X= 124.400 Y=-10.000 Z=2.288
81 X= 128.800 Y=-10.000 Z=2.376
82 X= 0.000 Y=0.000 Z=-0.900
83 X= 0.000 Y=0.748 Z=-0.900
84 X= 0.000 Y=-0.748 Z=-0.900
85 X= 39.400 Y=0.000 Z=-0.212
86 X= 89.400 Y=0.000 Z=0.788
87 X= 128.800 Y=0.000 Z=1.676
88 X= 128.800 Y=0.748 Z=1.676
89 X= 128.800 Y=-0.748 Z=1.676
90 X= 0.000 Y=-5.000 Z=-1.000
91 X= 0.000 Y=-4.252 Z=-1.000
92 X= 0.000 Y=-5.748 Z=-1.000
93 X= 39.400 Y=-5.000 Z=-0.312
94 X= 39.400 Y=-4.252 Z=-0.312
95 X= 39.400 Y=-5.748 Z=-0.312
96 X= 89.400 Y=-5.000 Z=0.688
97 X= 89.400 Y=-4.252 Z=0.688
98 X= 89.400 Y=-5.748 Z=0.688
99 X= 128.800 Y=-5.000 Z=1.576
100 X= 128.800 Y=-4.252 Z=1.576
101 X= 128.800 Y=-5.748 Z=1.576
102 X= 0.000 Y=-10.000 Z=-1.100
103 X= 0.000 Y=-9.252 Z=-1.100
104 X= 0.000 Y=-10.748 Z=-1.100
105 X= 39.400 Y=-10.000 Z=-0.412
106 X= 89.400 Y=-10.000 Z=0.588
107 X= 128.800 Y=-10.000 Z=1.476
108 X= 128.800 Y=-9.252 Z=1.476
109 X= 128.800 Y=-10.748 Z=1.476

LOCAL

ADD= 83 ANG=0.000
ADD= 84 ANG=0.000
ADD= 85 ANG=0.000
ADD= 86 ANG=0.000
ADD= 88 ANG=0.000
ADD= 89 ANG=0.000
ADD= 91 ANG=0.000
ADD= 92 ANG=0.000
ADD= 94 ANG=0.000
ADD= 95 ANG=0.000
ADD= 97 ANG=0.000
ADD= 98 ANG=0.000
ADD= 100 ANG=0.000
ADD= 101 ANG=0.000
ADD= 103 ANG=0.000
ADD= 104 ANG=0.000
ADD= 105 ANG=0.000
ADD= 106 ANG=0.000
ADD= 108 ANG=0.000
ADD= 109 ANG=0.000

RESTRAINT

ADD= 83 DOF= U3,
ADD= 84 DOF= U3,
ADD= 85 DOF= U1, U3,
ADD= 86 DOF= U3,
ADD= 88 DOF= U3,
ADD= 89 DOF= U3,

ADD= 91 DOF= U2, U3,
ADD= 92 DOF= U2, U3,
ADD= 94 DOF= U1, U2, U3,
ADD= 95 DOF= U1, U2, U3,
ADD= 97 DOF= U2, U3,
ADD= 98 DOF= U2, U3,
ADD= 100 DOF= U2, U3,
ADD= 101 DOF= U2, U3,
ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 108 DOF= U3,
ADD= 109 DOF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
Name=12
E=2.05e+008
Name=13
E=2.05e+008
Name=14
E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32538 I=0.18044490, 0.68547778 J=0.18025749 : GIRDER
Name= 2 Mat= 2 A=0.33018 I=0.19824781, 0.6952076 J=0.21138932 : GIRDER
Name= 3 Mat= 3 A=0.33658 I=0.21717383, 0.70218361 J=0.22774338 : GIRDER
Name= 4 Mat= 4 A=0.34938 I=0.23620863, 0.71348716 J=0.24236602 : GIRDER
Name= 5 Mat= 5 A=0.35778 I=0.25700944, 0.71958466 J=0.24236602 : GIRDER
Name= 6 Mat= 6 A=0.41338 I=0.34358535, 0.76965112 J=0.29157516 : GIRDER
Name= 7 Mat= 7 A=0.34038 I=0.25624232, 0.71348716 J=0.24236602 : GIRDER
Name= 8 Mat= 8 A=0.30426 I=0.15627911, 0.52996460 J=0.18025749 : GIRDER
Name= 9 Mat= 9 A=0.30906 I=0.19357192, 0.54085123 J=0.21138932 : GIRDER
Name= 10 Mat= 10 A=0.31546 I=0.21180988, 0.54631256 J=0.22774338 : GIRDER
Name= 11 Mat= 11 A=0.32826 I=0.23029161, 0.55723523 J=0.24236602 : GIRDER
Name= 12 Mat= 12 A=0.33666 I=0.25021699, 0.56309157 J=0.24236602 : GIRDER
Name= 13 Mat= 13 A=0.39226 I=0.33492777, 0.61184856 J=0.29157516 : GIRDER
Name= 14 Mat= 14 A=0.32826 I=0.24926429, 0.55723523 J=0.24236602 : GIRDER
Name= 15 Mat= 15 A=0.02040 I=0.00355687, 0.00005416 J=0.00000098 : CROSSBEAM
Name= 16 Mat= 16 A=10.000000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 17 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 18 Type=Nonpr Sec= 2, 1
Name= 19 Type=Nonpr Sec= 2, 3
Name= 20 Type=Nonpr Sec= 2, 5
Name= 21 Type=Nonpr Sec= 3, 2
Name= 22 Type=Nonpr Sec= 3, 4
Name= 23 Type=Nonpr Sec= 4, 2

Name= 24 Type=Nonpr Sec= 4, 3
Name= 25 Type=Nonpr Sec= 4, 5
Name= 26 Type=Nonpr Sec= 5, 4
Name= 27 Type=Nonpr Sec= 5, 6
Name= 28 Type=Nonpr Sec= 5, 7
Name= 29 Type=Nonpr Sec= 6, 5
Name= 30 Type=Nonpr Sec= 6, 7
Name= 31 Type=Nonpr Sec= 7, 4
Name= 32 Type=Nonpr Sec= 7, 6
Name= 33 Type=Nonpr Sec= 8, 9
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 9, 10
Name= 36 Type=Nonpr Sec= 9, 12
Name= 37 Type=Nonpr Sec= 10, 9
Name= 38 Type=Nonpr Sec= 10, 11
Name= 39 Type=Nonpr Sec= 11, 9
Name= 40 Type=Nonpr Sec= 11, 10
Name= 41 Type=Nonpr Sec= 11, 12
Name= 42 Type=Nonpr Sec= 12, 11
Name= 43 Type=Nonpr Sec= 12, 13
Name= 44 Type=Nonpr Sec= 12, 14
Name= 45 Type=Nonpr Sec= 13, 12
Name= 46 Type=Nonpr Sec= 13, 14
Name= 47 Type=Nonpr Sec= 14, 11
Name= 48 Type=Nonpr Sec= 14, 13

FRAME

1 J= 1, 2 Sec=17 Local=12 Pdir=Z, X NSEG=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=22
6 J= 6, 7 Sec=25
7 J= 7, 8 Sec=27
8 J= 8, 9 Sec= 6
9 J= 9, 10 Sec= 6
10 J= 10, 11 Sec=30
11 J= 11, 12 Sec=31
12 J= 12, 13 Sec=23
13 J= 13, 14 Sec= 2
14 J= 14, 15 Sec= 2
15 J= 15, 16 Sec=20
16 J= 16, 17 Sec=28
17 J= 17, 18 Sec=32
18 J= 18, 19 Sec= 6
19 J= 19, 20 Sec= 6
20 J= 20, 21 Sec=29
21 J= 21, 22 Sec=26
22 J= 22, 23 Sec=24
23 J= 23, 24 Sec= 3
24 J= 24, 25 Sec=21
25 J= 25, 26 Sec= 2
26 J= 26, 27 Sec=18
27 J= 28, 29 Sec=33
28 J= 29, 30 Sec= 9
29 J= 30, 31 Sec=35
30 J= 31, 32 Sec=10
31 J= 32, 33 Sec=38
32 J= 33, 34 Sec=41
33 J= 34, 35 Sec=43
34 J= 35, 36 Sec=13
35 J= 36, 37 Sec=13
36 J= 37, 38 Sec=46
37 J= 38, 39 Sec=47
38 J= 39, 40 Sec=39
39 J= 40, 41 Sec= 9
40 J= 41, 42 Sec= 9
41 J= 42, 43 Sec=36
42 J= 43, 44 Sec=44
43 J= 44, 45 Sec=48
44 J= 45, 46 Sec=13
45 J= 46, 47 Sec=13
46 J= 47, 48 Sec=45

47 J= 48, 49 Sec=42
 48 J= 49, 50 Sec=40
 49 J= 50, 51 Sec=10
 50 J= 51, 52 Sec=37
 51 J= 52, 53 Sec= 9
 52 J= 53, 54 Sec=34
 53 J= 55, 56 Sec=17
 54 J= 56, 57 Sec= 2
 55 J= 57, 58 Sec=19
 56 J= 58, 59 Sec= 3
 57 J= 59, 60 Sec=22
 58 J= 60, 61 Sec=25
 59 J= 61, 62 Sec=27
 60 J= 62, 63 Sec= 6
 61 J= 63, 64 Sec= 6
 62 J= 64, 65 Sec=30
 63 J= 65, 66 Sec=31
 64 J= 66, 67 Sec=23
 65 J= 67, 68 Sec= 2
 66 J= 68, 69 Sec= 2
 67 J= 69, 70 Sec=20
 68 J= 70, 71 Sec=26
 69 J= 71, 72 Sec=32
 70 J= 72, 73 Sec= 6
 71 J= 73, 74 Sec= 6
 72 J= 74, 75 Sec=29
 73 J= 75, 76 Sec=26
 74 J= 76, 77 Sec=24
 75 J= 77, 78 Sec= 3
 76 J= 78, 79 Sec=21
 77 J= 79, 80 Sec= 2
 78 J= 80, 81 Sec=18
 79 J= 1, 28 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 80 J= 2, 29 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 81 J= 3, 30 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 82 J= 4, 31 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 83 J= 5, 32 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 84 J= 6, 33 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 85 J= 7, 34 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 86 J= 8, 35 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 87 J= 9, 36 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 88 J= 10, 37 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 89 J= 11, 38 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 90 J= 12, 39 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 91 J= 13, 40 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 92 J= 14, 41 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 93 J= 15, 42 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 94 J= 16, 43 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 95 J= 17, 44 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 96 J= 18, 45 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 97 J= 19, 46 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 98 J= 20, 47 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 99 J= 21, 48 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 100 J= 22, 49 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 101 J= 23, 50 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 102 J= 24, 51 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 103 J= 25, 52 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 104 J= 26, 53 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 105 J= 27, 54 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 106 J= 28, 55 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 107 J= 29, 56 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 108 J= 30, 57 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 109 J= 31, 58 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 110 J= 32, 59 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 111 J= 33, 60 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 112 J= 34, 61 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 113 J= 35, 62 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 114 J= 36, 63 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 115 J= 37, 64 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 116 J= 38, 65 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 117 J= 39, 66 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 118 J= 40, 67 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 119 J= 41, 68 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0

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Add=109 Uz=-0.010

COMBO
 Name=2N1 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P1 sf=1,000

Name=2N2 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P2 sf=1,000

Name=2N3 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=A2 sf=1,000

Name=2N4 Type=ENVE :
 LOAD=P1 sf=1,000
 LOAD=P2 sf=1,000

Name=2N5 Type=ENVE :
 LOAD=P1 sf=1,000
 LOAD=A2 sf=1,000

Name=2N6 Type=ENVE :
 LOAD=P2 sf=1,000
 LOAD=A2 sf=1,000

Name=3N1 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P1 sf=1,000
 LOAD=P2 sf=1,000

Name=3N2 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P1 sf=1,000
 LOAD=A2 sf=1,000

Name=3N3 Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P2 sf=1,000
 LOAD=A2 sf=1,000

Name=3N4 Type=ENVE :
 LOAD=P1 sf=1,000
 LOAD=P2 sf=1,000
 LOAD=A2 sf=1,000

Name=2N Type=ENVE :
 COMB=2N1 sf=1,000
 COMB=2N2 sf=1,000
 COMB=2N3 sf=1,000
 COMB=2N4 sf=1,000
 COMB=2N5 sf=1,000
 COMB=2N6 sf=1,000

Name=3N Type=ENVE :
 COMB=3N1 sf=1,000
 COMB=3N2 sf=1,000
 COMB=3N3 sf=1,000
 COMB=3N4 sf=1,000

Name=SETTLE Type=ENVE :
 LOAD=A1 sf=1,000
 LOAD=P1 sf=1,000
 LOAD=P2 sf=1,000
 LOAD=A2 sf=1,000
 COMB=2N sf=1,000
 COMB=3N sf=1,000

OUTPUT
 ELEM=JOINT TYPE=DSP,REAC LOAD=> COMB=>
 ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

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120 J= 42, 69 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 121 J= 43, 70 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 122 J= 44, 71 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 123 J= 45, 72 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 124 J= 46, 73 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 125 J= 47, 74 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 126 J= 48, 75 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 127 J= 49, 76 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 128 J= 50, 77 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 129 J= 51, 78 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 130 J= 52, 79 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 131 J= 53, 80 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 132 J= 54, 81 Sec=15 IOFF=1,500 JOFF=1,500 RIGID=1,0
 133 J= 1, 82 Sec=16
 134 J= 83, 82 Sec=16
 135 J= 84, 82 Sec=16
 136 J= 9, 85 Sec=16
 137 J= 19, 86 Sec=16
 138 J= 27, 87 Sec=16
 139 J= 88, 87 Sec=16
 140 J= 89, 87 Sec=16
 141 J= 28, 90 Sec=16
 142 J= 91, 90 Sec=16
 143 J= 92, 90 Sec=16
 144 J= 36, 93 Sec=16
 145 J= 94, 93 Sec=16
 146 J= 95, 93 Sec=16
 147 J= 46, 96 Sec=16
 148 J= 97, 96 Sec=16
 149 J= 98, 96 Sec=16
 150 J= 54, 99 Sec=16
 151 J=100, 99 Sec=16
 152 J=101, 99 Sec=16
 153 J= 55, 102 Sec=16
 154 J=103, 102 Sec=16
 155 J=104, 102 Sec=16
 156 J= 63, 105 Sec=16
 157 J= 73, 106 Sec=16
 158 J= 81, 107 Sec=16
 159 J=108, 107 Sec=16
 160 J=109, 107 Sec=16

LOAD
 Name=A1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add= 83 Uz=-0.010
 Add= 84 Uz=-0.010
 Add= 91 Uz=-0.010
 Add= 92 Uz=-0.010
 Add=103 Uz=-0.010
 Add=104 Uz=-0.010

Name=P1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add= 85 Uz=-0.010
 Add= 94 Uz=-0.010
 Add= 95 Uz=-0.010
 Add=105 Uz=-0.010

Name=P2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add= 86 Uz=-0.010
 Add= 97 Uz=-0.010
 Add= 98 Uz=-0.010
 Add=106 Uz=-0.010

Name=A2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add= 88 Uz=-0.010
 Add= 89 Uz=-0.010
 Add=100 Uz=-0.010
 Add=101 Uz=-0.010
 Add=108 Uz=-0.010

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