

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

; MIDAS/Civil Text(MCT) File.
; Date : 2016/1/24

*VERSION
8.4.5

*UNIT ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN , M, KCAL, C

*PROJINFO ; Project Information
USER=Microsoft
ADDRESS=Microsoft

*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300

*NODE ; Nodes
; iNO, X, Y, Z
1, 0, 0, 0
2, 0, 0, 41.1
3, 0, 0, 44.1
4, 0, 0, 1.0275
5, 0, 0, 2.055
6, 0, 0, 3.0825
7, 0, 0, 4.11
8, 0, 0, 5.1375
9, 0, 0, 6.165
10, 0, 0, 7.1925
11, 0, 0, 8.22
12, 0, 0, 9.2475
13, 0, 0, 10.275
14, 0, 0, 11.3025
15, 0, 0, 12.33
16, 0, 0, 13.3575
17, 0, 0, 14.385
18, 0, 0, 15.4125
19, 0, 0, 16.44
20, 0, 0, 17.4675
21, 0, 0, 18.495
22, 0, 0, 19.5225
23, 0, 0, 20.55

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24, 0, 0, 21.5775
25, 0, 0, 22.605
26, 0, 0, 23.6325
27, 0, 0, 24.66
28, 0, 0, 25.6875
29, 0, 0, 26.715
30, 0, 0, 27.7425
31, 0, 0, 28.77
32, 0, 0, 29.7975
33, 0, 0, 30.825
34, 0, 0, 31.8525
35, 0, 0, 32.88
36, 0, 0, 33.9075
37, 0, 0, 34.935
38, 0, 0, 35.9625
39, 0, 0, 36.99
40, 0, 0, 38.0175
41, 0, 0, 39.045
42, 0, 0, 40.0725
43, 0, 0, 42.1
44, 0, 0, 43.1
46, 0, -2.5, 45.6
47, 0, 2.5, 45.6

*ELEMENT ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) : Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT : Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS : Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 : Solid Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL : Frame(Ref. Point
)
1, BEAM , 1, 2, 1, 4, 0, 0
2, BEAM , 1, 1, 2, 43, 0, 0
3, BEAM , 1, 2, 4, 5, 0, 0
4, BEAM , 1, 2, 5, 6, 0, 0
5, BEAM , 1, 2, 6, 7, 0, 0
6, BEAM , 1, 2, 7, 8, 0, 0
7, BEAM , 1, 2, 8, 9, 0, 0
8, BEAM , 1, 2, 9, 10, 0, 0
9, BEAM , 1, 2, 10, 11, 0, 0
10, BEAM , 1, 2, 11, 12, 0, 0
11, BEAM , 1, 2, 12, 13, 0, 0
12, BEAM , 1, 2, 13, 14, 0, 0
13, BEAM , 1, 2, 14, 15, 0, 0
14, BEAM , 1, 2, 15, 16, 0, 0

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15, BEAM , 1, 2, 16, 17, 0, 0
16, BEAM , 1, 2, 17, 18, 0, 0
17, BEAM , 1, 2, 18, 19, 0, 0
18, BEAM , 1, 2, 19, 20, 0, 0
19, BEAM , 1, 2, 20, 21, 0, 0
20, BEAM , 1, 2, 21, 22, 0, 0
21, BEAM , 1, 2, 22, 23, 0, 0
22, BEAM , 1, 2, 23, 24, 0, 0
23, BEAM , 1, 2, 24, 25, 0, 0
24, BEAM , 1, 2, 25, 26, 0, 0
25, BEAM , 1, 2, 26, 27, 0, 0
26, BEAM , 1, 2, 27, 28, 0, 0
27, BEAM , 1, 2, 28, 29, 0, 0
28, BEAM , 1, 2, 29, 30, 0, 0
29, BEAM , 1, 2, 30, 31, 0, 0
30, BEAM , 1, 2, 31, 32, 0, 0
31, BEAM , 1, 2, 32, 33, 0, 0
32, BEAM , 1, 2, 33, 34, 0, 0
33, BEAM , 1, 2, 34, 35, 0, 0
34, BEAM , 1, 2, 35, 36, 0, 0
35, BEAM , 1, 2, 36, 37, 0, 0
36, BEAM , 1, 2, 37, 38, 0, 0
37, BEAM , 1, 2, 38, 39, 0, 0
38, BEAM , 1, 2, 39, 40, 0, 0
39, BEAM , 1, 2, 40, 41, 0, 0
40, BEAM , 1, 2, 41, 42, 0, 0
41, BEAM , 1, 2, 42, 2, 0, 0
42, BEAM , 1, 1, 43, 44, 0, 0
43, BEAM , 1, 1, 44, 3, 0, 0

```

*MATERIAL ; Material

; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]

; STEEL, CONC, USER

; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]

; SRC

; [DATA1] : 1, DB, NAME, CODE

; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS

; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS ; Ort
hotropic

; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS

1, CONC , C27 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012 ,
C27

*MATL-COLOR

; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT

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1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

```

*SECT=PSCVALUE ; PSC Value, General Section, Composite PC, Composite General

; SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, bBU, bEQ ; 1st line

; [STIFF1] ; 2nd line

; [STIFF2] ; 3rd line

; [STIFF3] ; 4th line

; T1, T2, BT, HT ; 5th line(PSC)

; bSHEARCHK, [SCHK], [WT] ; 6th line(PSC)

; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc ; 7th line(COMPOSITE-PC)

)

; OPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Outer Polygon(PLANE)

; IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)

;

; IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)

; VERTEX=X1, Y1, X2, Y2, ..., Xn, Yn ; Vertex(General-LINE)

; LINE=V11, VJ1, dTHIK1, iALIGN1 ; Line(General-LINE)

;

; LINE=V1n, VJn, dTHIKn, iALIGNn ; Line(General-LINE)

; LOOP=COUNT1, LIX11, LIX12, ..., LIXn ; Line(General-LINE)

;

; LOOP=COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(General-LINE)

; SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, bEQ ; 1st line - TAPER

D

; [STIFF1-I] ; 2nd line

; [STIFF2-I] ; 3rd line

; [STIFF3-I] ; 4th line

; [STIFF1-J] ; 5th line

; [STIFF2-J] ; 6th line

; [STIFF3-J] ; 7th line

; T1-I, T2-I, BT-I, HT-I, T1-J, T2-J, BT-J, HT-J ; 8th line(PSC)

; bSHEARCHK, [SCHK-I], [WT-I], [SCHK-J], [WT-J] ; 9rd line(PSC)

; OPOLY=b1, X1, Y1, X2, Y2, ..., Xn, Yn ; Outer Polygon(PLANE)

; IPOLY=b1, X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)

;

; IPOLY=b1, X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)

; VERTEX=b1, X1, Y1, X2, Y2, ..., Xn, Yn ; Vertex(General-LINE)

; LINE=b1, V11, VJ1, dTHIK1, iALIGN1 ; Line(General-LINE)

;

; LINE=b1, V1n, VJn, dTHIKn, iALIGNn ; Line(General-LINE)

; LOOP=b1, COUNT1, LIX11, LIX12, ..., LIXn ; Line(General-LINE)

;

; LOOP=b1, COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(General-LINE)

; SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, bBU, bEQ, BPRT ; 1st line - COMPOSITE-

GEN

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; [PART1] ; 2nd line
; [PART2] ; 3rd line
;
; ...
; SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, bEQ, PARTNUM ; 1st line
- COMPOSITE-GEN(TAPERED)
; [PART1]-I ; 2nd line
; [PART2]-I ; next lines
;
; ...
; [PART1]-J ; next lines
; [PART2]-J ; next lines
;
; ...
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [STIFF1] : AREA, ASy, ASz, lxx, lyy, lzz
; [STIFF2] : Cyp, Cym, Czp, Czm, Qyb, Qzb, PERI_OUT, PERI_IN, Cy, Cz
; [STIFF3] : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4
; [SCHK] : Z1, Z3, bAUTO_QY1, QY1, bAUTO_QY2, QY2, bAUTO_QY3, QY3
; [WT] : TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [PART] : PART=part_num
; : [STIFF1]
; : [STIFF2]
; : [STIFF3]
; : [STIFF1] ; [STIFF1] of Part Su
m.
; : [STIFF2] ; [STIFF2] of Part Su
m.
; : [STIFF3] ; [STIFF3] of Part Su
m.
; : OPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Outer
Polygon(PLANE)
; : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Inner
Polygon(PLANE)
; : ...
; : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Inner
Polygon(PLANE)
; : VERTEX=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Verte
x(General-LINE)
; : LINE=(bl-Tapered), VI1, VJ1, dTHIK1, iALIGN1 ; Line(
General-LINE)
; : ...
; : LINE=(bl-Tapered), VI n, VJ n, dTHIK n, iALIGN n ; Line(
General-LINE)
; : LOOP=(bl-Tapered), COUNT1, LIX11, LIX12, ..., LIXn ; Line(
General-LINE)
; : ...

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; : LOOP=(bl-Tapered), COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(
General-LINE)
SECT= 1, VALUE , 하부상단 , CC, 0, 0, 0, 0, 0, 0, YES, GEN, YES, YES
22.2507, 17.4569, 17.7164, 56.9338, 20.0049, 92.876
3.5, 3.5, 1.625, 1.625, 1.48385, 8.10772, 20.5, 2.51009, 3.5, 1.625
-3.5, 3.5, 3.5, -3.5, 1.625, 1.625, -1.625, -1.625
OPOLY=-3.5, 1.625, -3.5, -1.625, 3.5, -1.625, 3.5, 1.625
IPOLY=-0.4, -2.04636e-015, -0.393923, 0.0694593, -0.375877, 0.136808, -0.34641,
0.2
-0.306418, 0.257115, -0.257115, 0.306418, -0.2, 0.34641
-0.136808, 0.375877, -0.0694593, 0.393923, -3.18323e-015, 0.4
0.0694593, 0.393923, 0.136808, 0.375877, 0.2, 0.34641
0.257115, 0.306418, 0.306418, 0.257115, 0.34641, 0.2
0.375877, 0.136808, 0.393923, 0.0694593, 0.4, -2.04636e-015
0.393923, -0.0694593, 0.375877, -0.136808, 0.34641, -0.2
0.306418, -0.257115, 0.257115, -0.306418, 0.2, -0.34641
0.136808, -0.375877, 0.0694593, -0.393923, -3.18323e-015, -0.4
-0.0694593, -0.393923, -0.136808, -0.375877, -0.2, -0.34641
-0.257115, -0.306418, -0.306418, -0.257115, -0.34641, -0.2
-0.375877, -0.136808, -0.393923, -0.0694593
SECT= 2, VALUE , 하부하단 , CC, 0, 0, 0, 0, 0, 0, YES, GEN, YES, YES
14.02, 9.8753, 3.32133, 48.8962, 18.0988, 72.4622
3.5, 3.5, 1.625, 1.625, 4.66859, 8.82875, 20.5, 13.3971, 3.5, 1.625
-3.5, 3.5, 3.5, -3.5, 1.625, 1.625, -1.625, -1.625
OPOLY=-3.5, 1.625, -3.5, -1.625, 3.5, -1.625, 3.5, 1.625
IPOLY=-2.7, 0.525, -2.4, 0.825, 2.4, 0.825, 2.7, 0.525, 2.7, -0.525, 2.4, -0.82
5
-2.4, -0.825, -2.7, -0.525

*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*DGN-SECT-PSCVALUE ; Design Section of PSC Value
; SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, bBU, bEQ ; 1st line
; [STIFF1] ; 2nd line
; [STIFF2] ; 3rd line
; [STIFF3] ; 4th line
; T1, T2, BT, HT ; 5th line(PSC)
; bSHEARCHK, [SCHK], [WT] ; 6th line(PSC)
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc ; 7th line(COMPOSITE-PC
)

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; OPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Outer Polygon(PLANE)
; IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)
; ...
; IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)
; VERTEX=X1, Y1, X2, Y2, ..., Xn, Yn ; Vertex(General-LINE)
; LINE=V11, VJ1, dTHIK1, iALIGN1 ; Line(General-LINE)
; ...
; LINE=VIn, VJn, dTHIKn, iALIGNn ; Line(General-LINE)
; LOOP=COUNT1, LIX11, LIX12, ..., LIXn ; Line(General-LINE)
; ...
; LOOP=COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(General-LINE)
; SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, bEQ ; 1st line - TAPERED
D
; [STIFF1-I] ; 2nd line
; [STIFF2-I] ; 3rd line
; [STIFF3-I] ; 4th line
; [STIFF1-J] ; 5th line
; [STIFF2-J] ; 6th line
; [STIFF3-J] ; 7th line
; T1-I, T2-I, BT-I, HT-I, T1-J, T2-J, BT-J, HT-J ; 8th line(PSC)
; bSHEARCHK, [SCHK-I], [WT-I], [SCHK-J], [WT-J] ; 9rd line(PSC)
; OPOLY=bI, X1, Y1, X2, Y2, ..., Xn, Yn ; Outer Polygon(PLANE)
; IPOLY=bI, X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)
; ...
; IPOLY=bI, X1, Y1, X2, Y2, ..., Xn, Yn ; Inner Polygon(PLANE)
; VERTEX=bI, X1, Y1, X2, Y2, ..., Xn, Yn ; Vertex(General-LINE)
; LINE=bI, V11, VJ1, dTHIK1, iALIGN1 ; Line(General-LINE)
; ...
; LINE=bI, VIn, VJn, dTHIKn, iALIGNn ; Line(General-LINE)
; LOOP=bI, COUNT1, LIX11, LIX12, ..., LIXn ; Line(General-LINE)
; ...
; LOOP=bI, COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(General-LINE)
; SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, bBU, bEQ, BPRT ; 1st line - COMPOSITE-
GEN
; [PART1] ; 2nd line
; [PART2] ; 3rd line
; ...
; SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, bEQ, PARTNUM ; 1st line
- COMPOSITE-GEN(TAPERED)
; [PART1]-I ; 2nd line
; [PART2]-I ; next lines
; ...
; [PART1]-J ; next lines
; [PART2]-J ; next lines
; ...

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; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [STIFF1] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [STIFF2] : Cyp, Cym, Czp, Czm, Qyb, Qzb, PERI_OUT, PERI_IN, Cy, Cz
; [STIFF3] : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4
; [SCHK] : Z1, Z3, bAUTO_QY1, QY1, bAUTO_QY2, QY2, bAUTO_QY3, QY3
; [WT] : TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [PART] : PART=part_num
; : [STIFF1] ; [STIFF1] of Part Su
m.
; : [STIFF2] ; [STIFF2] of Part Su
m.
; : [STIFF3] ; [STIFF3] of Part Su
m.
; : OPOLY=(bI-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Outer
Polygon(PLANE)
; : IPOLY=(bI-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Inner
Polygon(PLANE)
; : ...
; : IPOLY=(bI-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Inner
Polygon(PLANE)
; : VERTEX=(bI-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn ; Verte
x(General-LINE)
; : LINE=(bI-Tapered), V11, VJ1, dTHIK1, iALIGN1 ; Line(
General-LINE)
; : ...
; : LINE=(bI-Tapered), VIn, VJn, dTHIKn, iALIGNn ; Line(
General-LINE)
; : LOOP=(bI-Tapered), COUNT1, LIX11, LIX12, ..., LIXn ; Line(
General-LINE)
; : ...
; : LOOP=(bI-Tapered), COUNTn, LIXn1, LIXn2, ..., LIXnn ; Line(
General-LINE)
; SECT= 1, VALUE , 하부상단 , CC, 0, 0, 0, 0, 0, 0, YES, GEN, YES, YES
22.2507, 17.4569, 17.7164, 56.9338, 20.0049, 92.876
3.5, 3.5, 1.625, 1.625, 1.48385, 8.10772, 20.5, 2.51009, 3.5, 1.625
-3.5, 3.5, 3.5, -3.5, 1.625, 1.625, -1.625, -1.625
OPOLY=-3.5, 1.625, -3.5, -1.625, 3.5, -1.625, 3.5, 1.625
IPOLY=-0.4, -2.04636e-015, -0.393923, 0.0694593, -0.375877, 0.136808, -0.34641,
0.2
-0.306418, 0.257115, -0.257115, 0.306418, -0.2, 0.34641
-0.136808, 0.375877, -0.0694593, 0.393923, -3.18323e-015, 0.4

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0.0694593, 0.393923, 0.136808, 0.375877, 0.2, 0.34641
0.257115, 0.306418, 0.306418, 0.257115, 0.34641, 0.2
0.375877, 0.136808, 0.393923, 0.0694593, 0.4, -2.04636e-015
0.393923, -0.0694593, 0.375877, -0.136808, 0.34641, -0.2
0.306418, -0.257115, 0.257115, -0.306418, 0.2, -0.34641
0.136808, -0.375877, 0.0694593, -0.393923, -3.18323e-015, -0.4
-0.0694593, -0.393923, -0.136808, -0.375877, -0.2, -0.34641
-0.257115, -0.306418, -0.306418, -0.257115, -0.34641, -0.2
-0.375877, -0.136808, -0.393923, -0.0694593
SECT= 2, VALUE , 하부하단 , CC, 0, 0, 0, 0, 0, 0, YES, GEN, YES, YES
14.02, 9.8753, 3.32133, 48.8962, 18.0988, 72.4622
3.5, 3.5, 1.625, 1.625, 4.66859, 8.82875, 20.5, 13.3971, 3.5, 1.625
-3.5, 3.5, 3.5, -3.5, 1.625, 1.625, -1.625, -1.625
OPOLY=-3.5, 1.625, -3.5, -1.625, 3.5, -1.625, 3.5, 1.625
IPOLY=-2.7, 0.525, -2.4, 0.825, 2.4, 0.825, 2.7, 0.525, 2.7, -0.525, 2.4, -0.82
5
-2.4, -0.825, -2.7, -0.525

*STLDCASE : Static Load Cases

: LCNAME, LCTYPE, DESC

자중, D,
풍하중-상부, W,
풍하중-기둥, W,
풍하중-활하중, WL,
온도하중, T,
고장하중-상부, D,
활하중, L,

*DGN-CONC : Concrete Design Code

: CODE=CODE, RHOC, RHOR, RHOW, MRF, SHR-RATIO { , METHOD, A1, A2 }

: line 1
: [ACI318-89] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
: line 2
: [ACI318-95] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
: line 2
: [ACI318-99] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
: line 2
: [ACI318-02] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
: line 2
: [ACI318-05] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
: line 2
: [ACI318-08] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE; line 2
: [ACI318-11] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

ALL, BNDR-MTHD, CD, IE; line 2
: [AIK-USD94] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
: line 2
: [TWN-USD92] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, bTOR, TRFT, SCWB
: line 2
: [TWN-USD100] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, bTOR, TRFT, SCWB
: line 2
: [KCI-USD99] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
: line 2
: [KCI-USD03] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
: line 2
: [KCI-USD07] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE; line 2
: [KCI-USD12] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE, EXPOSURE; line 2
: [BS8110-97] : GAMMA-MC, GAMMA-MS, GAMMA-MV
: line 2
: [EUROCODE2] : GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, iSCODE
: line 2
: [EUROCODE2:04] : GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, ALPHACC, iSCODE,
: line 2
: bRULE, WEAK-FACT, iDUC, GAMMA-RD-B, GAMMA-RD-C, S-GRUP
: line 2
: FRAMETYPE, AUA1, SPLCK, SOILFACTOR, TB, TC, TD, AGR, I, DAMPINGRAT
, BCJOINT, NTC2008, UF, GAMMA-RD-W, GAMMA-RD-J; line 2
: STRUT-ANG, bBEHAVIOR-FACT, BEHAVIOR-FACT-VALUE, iNTC, bVCWALL, bVC
COLM, dPHIEF, bAUTOA, bAUTOC, A, B, C; line 2
: [EUROCODE2-2:05] : GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, GAMMA_CL, GAMMA_SL, ALPHAC
C, iSCODE, STRUT-ANG; line 2
: [IS456:2000] : bSPECIAL, GAMMA-C, GAMMA-S, FOS, SubRex
: line 2
: [GB50010-02] : bSPECIAL, GAMMA-C, GAMMA-S, KIND, iSlabType
: line 2
: [GB50010-10] : bSPECIAL, GAMMA-C, GAMMA-S, KIND, iSlabType, bTOR, TRFT
: line 2
: [CSA-A23.3-94] : bSPECIAL, PHI-C, PHI-S, PHI-M
: line 2
: [AIK-WSD2K] : bSPECIAL
: line 2
: [AIJ-WSD99] : bSPECIAL, KIND
: line 2
: [AASHTO-LRFD12] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V, KIND
: line 2
: [AASHTO-LRFD02] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V, KIND
: line 2

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

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; [AASHTO-LFD96] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-USD05] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-USD96] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-RAIL-USE04] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [TWN-BRG-LS090] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [JTJ023-85] : GAMMA-C, GAMMA-S, KIND
; line 2
; [CSA-S6-00] : bSPECIAL, PHI-C, PHI-S, KIND
; line 2
; [IRC:21-2000] : GAMMA-C, GAMMA-S
; line 2
; [SNIP 2.05.03-84*] : nBRIDGE, bmb7mb8, mb7mb8Type, mb7, mb8, bmb9, mb9Type, mb9
; line 2
; [SP 35.13330.2011] : nBRIDGE, bmb7mb8, mb7mb8Type, mb7, mb8, bmb9, mb9Type, mb9
; line 2
; Member Check : bBEAM, bCOLM, bBRCE, bWALL, bSLAB, bMAT, bRBEAM, bRCOLM, bBRCE, b
RWALL, bRSLAB, bRMAT, bSBEAM, bCANTIL, bUNDER-BM/COLM
CODE=KSCE-USD05, 0, 0, 0, 1, 0, , ,
NO, 0, 0, 0, 0, 0, 0
YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, 0

```

```

*CONSTRAINT : Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
1, 111111,

```

```

*MEMBERTYPE : Modify Member Type
; ELEM_LIST, TYPE, SUBTYPE
1to43, COLUMN, 0

```

```

*RIGIDLINK : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
3, 111111, 46 47,

```

```

*USE-STLD, 풍하중-상부

```

```

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
46, 0, 1437, 0, 0, 0, 0,
47, 0, 1437, 0, 0, 0, 0,

```

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

```

; End of data for load case [풍하중-상부] -----

```

```

*USE-STLD, 풍하중-활하중

```

```

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
46, 0, 81, 0, -688.5, 0, 0,
47, 0, 81, 0, -688.5, 0, 0,

```

```

; End of data for load case [풍하중-활하중] -----

```

```

*USE-STLD, 온도하중

```

```

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
46, 556.1, 0, 0, 0, 0, 0,
47, 556.1, 0, 0, 0, 0, 0,

```

```

; End of data for load case [온도하중] -----

```

```

*USE-STLD, 고정하중-상부

```

```

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
46, 0, 0, -21177, 0, 0, 0,
47, 0, 0, -21177, 0, 0, 0,

```

```

; End of data for load case [고정하중-상부] -----

```

```

*USE-STLD, 활하중

```

```

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
25, 0, 232.848, 0, 0, 0, 0,
46, 0, 0, -5561, 0, 0, 0,
47, 0, 0, -5561, 0, 0, 0,

```

```

; End of data for load case [활하중] -----

```

```

*LOADCOMB : Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=ULB1, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중, 2.15

```

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

NAME=ULB2, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.3, ST, 고장하중-상부, 1.3, ST, 풍하중-상부, 1.3
 ST, 풍하중-기동, 1.3
 NAME=ULB3, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.3, ST, 고장하중-상부, 1.3, ST, 활하중, 1.3
 ST, 풍하중-활하중, 0.65, ST, 풍하중-상부, 0.65, ST, 풍하중-기동, 0.65
 NAME=ULB4, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.3, ST, 고장하중-상부, 1.3, ST, 활하중, 1.3
 ST, 온도하중, -1.3
 NAME=ULB5, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.3, ST, 고장하중-상부, 1.3, ST, 활하중, 1.3
 ST, 온도하중, 1.3
 NAME=ULB6, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.25, ST, 고장하중-상부, 1.25, ST, 풍하중-상부, 1.25
 ST, 풍하중-기동, 1.25, ST, 온도하중, -1.25
 NAME=ULB7, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.25, ST, 고장하중-상부, 1.25, ST, 풍하중-상부, 1.25
 ST, 풍하중-기동, 1.25, ST, 온도하중, 1.25
 NAME=ULB8, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.25, ST, 고장하중-상부, 1.25, ST, 활하중, 1.25
 ST, 풍하중-상부, 0.625, ST, 풍하중-기동, 0.625
 ST, 풍하중-활하중, 0.625, ST, 온도하중, 1.25
 NAME=ULB9, CONC, STRENGTH, 0, 0, , 0, 0
 ST, 자중, 1.25, ST, 고장하중-상부, 1.25, ST, 풍하중-상부, 0.625
 ST, 풍하중-기동, 0.625, ST, 풍하중-활하중, 0.625, ST, 온도하중, 1.25
 ST, 활하중, 1.25

*LC-COLOR : Diagram Color for Load Case
 : ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
 iG2(MAX), iB2(MAX)
 ST, 자중, 192, 0, 128, 255, 128, 0, 255, 0, 128
 ST, 풍하중-상부, 255, 255, 87, 146, 0, 255, 85, 192, 0
 ST, 풍하중-기동, 192, 0, 128, 78, 0, 255, 160, 255, 255
 ST, 풍하중-활하중, 0, 192, 128, 192, 192, 192, 85, 192, 0
 ST, 온도하중, 212, 160, 255, 128, 192, 0, 255, 255, 255
 ST, 고장하중-상부, 192, 72, 0, 0, 128, 128, 0, 128, 255
 CBC, ULB1, 255, 255, 87, 0, 128, 57, 78, 0, 255
 ST, 활하중, 163, 160, 255, 210, 210, 255, 87, 128
 CBC, ULB2, 0, 128, 128, 0, 128, 57, 78, 0, 255
 CBC, ULB3, 163, 255, 160, 255, 255, 87, 160, 255, 255
 CBC, ULB4, 85, 192, 0, 255, 255, 87, 255, 0, 128
 CBC, ULB5, 192, 192, 0, 0, 192, 192, 0, 128, 57
 CBC, ULB6, 255, 0, 128, 255, 0, 192, 160, 192, 255
 CBC, ULB7, 255, 87, 87, 0, 128, 128, 255, 255, 87
 CBC, ULB8, 255, 0, 192, 255, 192, 160, 255, 128, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

CBC, ULB9, 163, 255, 160, 160, 192, 255, 255, 128, 0

*MEMBER : Member
 : iKEY, ELEM, bREVERSE, AELEM1, AELEM2, ...
 1, 1, NO, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, W
 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, W
 39, 40, 41
 *DGN-MATL : Modify Steel(Concrete) Material
 : iMAT, TYPE, MNAME, [DATA1] : STEEL
 : iMAT, TYPE, MNAME, [DATA2], [R-DATA], FC1, bSERV, SHORT, LONG : CONC
 : iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] : SRC
 : iMAT, TYPE, MNAME, [DATA5] : STEEL(None) & KSCE-A
 SD05
 : [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
 : FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
 : [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
 : [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
 : FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
 : [DATA4] : 1, DB, CODE, NAME or 2, FC
 : [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
 : MIN1, MIN2, MIN3
 : [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
 1, CONC, C27, 1, KS01-Civil(RC), C27, NO, 1
 , KS-Civil(RC), SD40, SD40, , 18900, NO, 0, 0, , , ,
 , 0, NO, 1, , , , 0, 0, 0

*LCOM-RCCOL : Load Combination for RC Column
 : STRE=ST_LCNAME1, ST_LCNAME2, ST_LCNAME3, ...
 : SERV=SE_LCNAME1, SE_LCNAME2, SE_LCNAME3, ...
 : GRUP=CG_LCNAME1, CG_LCNAME2, CG_LCNAME3, ...
 STRE=ULB9, ULB8, ULB7, ULB6, ULB5, ULB4, ULB3, ULB2, ULB1

*DPAR-RCCOL : Design Parameter for RC Column
 : EL_LIST, iXDirBd, iYDirBd, bPosi, bPosj, bPosm, bAutoEq : 1st I
 ine
 : bAutoDeltans, bAutoDeltas, bShChk, bAutoBd, Rhomax, Cmy, Cmz, : 2nd I
 ine
 : Dc, Deltansy, Deltansz, Deltasy, Deltasz, Remark : 3rd I
 ine
 : bCTC, CTC, bBd_NS, Bd_nsy, Bd_nsz, bBd_S, Bd_sy, Bd_sz, bRS, Ry, Rz : 4th I
 ine
 1, 0, 0, YES, NO, NO, YES
 YES, YES, YES, YES, 0.08, 1, 1
 0.1, 1, 1, 1, 1,

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

NO, 0, 0, NO, 0, 0, 0, NO, 0, 0, NO, 0, 0

*RBAR-SECT : Rebar Data for Section
: SECT= SECT, iCENTER, bMAIN, bSHEAR
: line 1
: SHBR1= SHSPACE, SHNUMY, SHNUMZ, SHNAME
: line 2
: SHBR2= SHSPACE, SHNUMY, SHNUMZ, SHNAME
: line 3
: MABR1= MALABEL1, MACENTERY1, MACENTERZ1, MANAME1, BETA1, MALABEL2, MACENTERY2, MACENTERZ2, MANAME2, BETA2,... : line 4
: MABR2= MALABEL1, MACENTERY1, MACENTERZ1, MANAME1, BETA1, MALABEL2, MACENTERY2, MACENTERZ2, MANAME2, BETA2,... : line 5
SECT = 2, 0, YES, NO
SHBR1 = 0, 0, 0,
SHBR2 = 0, 0, 0,
MABR1 = 1, 0.125, 1.525, D32, 1, 2, 0.250962, 1.525, D32, 1, 3, 0.376923, W
1.525, D32, 1, 4, 0.502885, 1.525, D32, 1, 5, 0.628846, 1.525, D32, 1, 6, W
0.754808, 1.525, D32, 1, 7, 0.880769, 1.525, D32, 1, 8, 1.00673, 1.525, D32,
W 1, 9, 1.13269, 1.525, D32, 1, 10, 1.25865, 1.525, D32, 1, 11, 1.38462, W
W 1.525, D32, 1, 12, 1.51058, 1.525, D32, 1, 13, 1.63654, 1.525, D32, 1, 14,
1.7625, 1.525, D32, 1, 15, 1.88846, 1.525, D32, 1, 16, 2.01442, 1.525, D32,
1 W , 17, 0.125, 1.375, D32, 1, 18, 0.250962, 1.375, D32, 1, 19, 0.376923, 1.375
, W D32, 1, 20, 0.502885, 1.375, D32, 1, 21, 0.628846, 1.375, D32, 1, 22, W
2.14038, 1.525, D32, 1, 23, 2.26635, 1.525, D32, 1, 24, 2.39231, 1.525, D32,
W 1, 25, 2.51827, 1.525, D32, 1, 26, 2.64423, 1.525, D32, 1, 27, 2.77019, W
W 1.525, D32, 1, 28, 2.89615, 1.525, D32, 1, 29, 3.02212, 1.525, D32, 1, 30,
3.14808, 1.525, D32, 1, 31, 3.27404, 1.525, D32, 1, 32, 3.4, 1.525, D32, 1, ,
W 33, 0.754808, 1.375, D32, 1, 34, 0.880769, 1.375, D32, 1, 35, 1.00673, 1.375
, W D32, 1, 36, 1.13269, 1.375, D32, 1, 37, 1.25865, 1.375, D32, 1, 38, 1.38462
, W 1.375, D32, 1, 39, 1.51058, 1.375, D32, 1, 40, 1.63654, 1.375, D32, 1, 41,
W 1.7625, 1.375, D32, 1, 42, 1.88846, 1.375, D32, 1, 43, 2.01442, 1.375, D32,
1 W , 44, 2.14038, 1.375, D32, 1, 45, 2.26635, 1.375, D32, 1, 46, 2.39231, 1.375

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

, W D32, 1, 47, 2.51827, 1.375, D32, 1, 48, 2.64423, 1.375, D32, 1, 49, 0.125,
W 1.227, D32, 1, 50, 0.250962, 1.227, D32, 1, 51, 0.376923, 1.227, D32, 1, 52
, W 0.502885, 1.227, D32, 1, 53, 0.628846, 1.227, D32, 1, 54, 0.754808, 1.227, W
D32, 1, 55, 0.880769, 1.227, D32, 1, 56, 1.00673, 1.227, D32, 1, 57, W
1.13269, 1.227, D32, 1, 58, 1.25865, 1.227, D32, 1, 59, 2.77019, 1.375, D32,
W 1, 60, 2.89615, 1.375, D32, 1, 61, 3.02212, 1.375, D32, 1, 62, 3.14808, W
1.375, D32, 1, 63, 3.27404, 1.375, D32, 1, 64, 3.4, 1.375, D32, 1, 65, W
1.38462, 1.227, D32, 1, 66, 1.51058, 1.227, D32, 1, 67, 1.63654, 1.227, D32,
W 1, 68, 1.7625, 1.227, D32, 1, 69, 1.88846, 1.227, D32, 1, 70, 2.01442, W
1.227, D32, 1, 71, 2.14038, 1.227, D32, 1, 72, 2.26635, 1.227, D32, 1, 73,
W 2.39231, 1.227, D32, 1, 74, 2.51827, 1.227, D32, 1, 75, 2.64423, 1.227, D32,
W 1, 76, 2.77019, 1.227, D32, 1, 77, 2.89615, 1.227, D32, 1, 78, 3.02212, W
1.227, D32, 1, 79, 3.14808, 1.227, D32, 1, 80, 3.27404, 1.227, D32, 1, 81,
W 0.125, 1.075, D32, 1, 82, 0.250962, 1.075, D32, 1, 83, 0.376923, 1.075, D32,
W 1, 84, 0.502885, 1.075, D32, 1, 85, 0.628846, 1.075, D32, 1, 86, 0.754808,
W 1.075, D32, 1, 87, 0.880769, 1.075, D32, 1, 88, 1.00673, 1.075, D32, 1, 89,
W 1.13269, 1.075, D32, 1, 90, 1.25865, 1.075, D32, 1, 91, 1.38462, 1.075, D32,
W 1, 92, 1.51058, 1.075, D32, 1, 93, 1.63654, 1.075, D32, 1, 94, 1.7625, W
1.075, D32, 1, 95, 1.88846, 1.075, D32, 1, 96, 3.4, 1.227, D32, 1, 97, W
0.125, 0.925, D32, 1, 98, 0.250962, 0.925, D32, 1, 99, 0.376923, 0.925, D32,
W 1, 100, 0.502885, 0.925, D32, 1, 101, 2.01442, 1.075, D32, 1, 102, 2.14038,
W 1.075, D32, 1, 103, 2.26635, 1.075, D32, 1, 104, 2.39231, 1.075, D32, 1, W
105, 2.51827, 1.075, D32, 1, 106, 2.64423, 1.075, D32, 1, 107, 2.77019, W
1.075, D32, 1, 108, 2.89615, 1.075, D32, 1, 109, 3.02212, 1.075, D32, 1, W
110, 3.14808, 1.075, D32, 1, 111, 3.27404, 1.075, D32, 1, 112, 3.4, 1.075, W
D32, 1, 113, 0.628846, 0.925, D32, 1, 114, 0.754808, 0.925, D32, 1, 115, W
0.880769, 0.925, D32, 1, 116, 1.00673, 0.925, D32, 1, 117, 1.13269, 0.925, W
D32, 1, 118, 1.25865, 0.925, D32, 1, 119, 1.38462, 0.925, D32, 1, 120, W

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

1.51058, 0.925, D32, 1, 121, 1.63654, 0.925, D32, 1, 122, 1.7625, 0.925, D32, 1, 123, 1.88846, 0.925, D32, 1, 124, 2.01442, 0.925, D32, 1, 125, 2.14038, 0.925, D32, 1, 126, 2.26635, 0.925, D32, 1, 127, 2.39231, 0.925, D32, 1, W 128, 2.51827, 0.925, D32, 1, 129, -0.125, 0.925, D32, 1, 130, -0.250962, W 0.925, D32, 1, 131, -0.376923, 0.925, D32, 1, 132, -0.502885, 0.925, D32, 1, W 133, -0.628846, 0.925, D32, 1, 134, -0.754808, 0.925, D32, 1, 135, -0.880769, 0.925, D32, 1, 136, -1.00673, 0.925, D32, 1, 137, -1.13269, 0.925, D32, 1, W 138, 2.64423, 0.925, D32, 1, 139, 2.77019, 0.925, D32, 1, 140, 2.89615, W 0.925, D32, 1, 141, 3.02212, 0.925, D32, 1, 142, 3.14808, 0.925, D32, 1, W 143, 3.27404, 0.925, D32, 1, 144, 3.4, 0.925, D32, 1, 145, -1.25865, 0.925, D32, 1, 146, -1.38462, 0.925, D32, 1, 147, -1.51058, 0.925, D32, 1, 148, W -1.63654, 0.925, D32, 1, 149, -1.7625, 0.925, D32, 1, 150, -1.88846, 0.925, D32, 1, 151, -2.01442, 0.925, D32, 1, 152, -2.14038, 0.925, D32, 1, 153, W -2.26635, 0.925, D32, 1, 154, -2.39231, 0.925, D32, 1, 155, -2.51827, 0.925, D32, 1, 156, -2.64423, 0.925, D32, 1, 157, -2.77019, 0.925, D32, 1, 158, W -2.89615, 0.925, D32, 1, 159, -3.02212, 0.925, D32, 1, 160, -3.14808, 0.925, D32, 1, 161, -0.125, 1.075, D32, 1, 162, -0.250962, 1.075, D32, 1, 163, W -0.376923, 1.075, D32, 1, 164, -0.502885, 1.075, D32, 1, 165, -0.628846, W 1.075, D32, 1, 166, -0.754808, 1.075, D32, 1, 167, -0.880769, 1.075, D32, 1, W 168, -1.00673, 1.075, D32, 1, 169, -1.13269, 1.075, D32, 1, 170, -1.25865, W 1.075, D32, 1, 171, -1.38462, 1.075, D32, 1, 172, -1.51058, 1.075, D32, 1, W 173, -1.63654, 1.075, D32, 1, 174, -1.7625, 1.075, D32, 1, 175, -3.27404, W 0.925, D32, 1, 176, -3.4, 0.925, D32, 1, 177, -0.125, 1.225, D32, 1, 178, W -0.250962, 1.225, D32, 1, 179, -0.376923, 1.225, D32, 1, 180, -1.88846, W 1.075, D32, 1, 181, -2.01442, 1.075, D32, 1, 182, -2.14038, 1.075, D32, 1, W 183, -2.26635, 1.075, D32, 1, 184, -2.39231, 1.075, D32, 1, 185, -2.51827, W 1.075, D32, 1, 186, -2.64423, 1.075, D32, 1, 187, -2.77019, 1.075, D32, 1, W 188, -2.89615, 1.075, D32, 1, 189, -3.02212, 1.075, D32, 1, 190, -3.14808, W

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

1.075, D32, 1, 191, -3.27404, 1.075, D32, 1, 192, -3.4, 1.075, D32, 1, 193, W -0.502885, 1.225, D32, 1, 194, -0.628846, 1.225, D32, 1, 195, -0.754808, W 1.225, D32, 1, 196, -0.880769, 1.225, D32, 1, 197, -1.00673, 1.225, D32, 1, W 198, -1.13269, 1.225, D32, 1, 199, -1.25865, 1.225, D32, 1, 200, -1.38462, W 1.225, D32, 1, 201, -1.51058, 1.225, D32, 1, 202, -1.63654, 1.225, D32, 1, W 203, -1.7625, 1.225, D32, 1, 204, -1.88846, 1.225, D32, 1, 205, -2.01442, W 1.225, D32, 1, 206, -2.14038, 1.225, D32, 1, 207, -2.26635, 1.225, D32, 1, W 208, -2.39231, 1.225, D32, 1, 209, -0.125, 1.375, D32, 1, 210, -0.250962, W 1.375, D32, 1, 211, -0.376923, 1.375, D32, 1, 212, -0.502885, 1.375, D32, 1, W 213, -0.628846, 1.375, D32, 1, 214, -0.754808, 1.375, D32, 1, 215, -0.880769, W 1.375, D32, 1, 216, -1.00673, 1.375, D32, 1, 217, -2.51827, 1.225, D32, 1, W 218, -2.64423, 1.225, D32, 1, 219, -2.77019, 1.225, D32, 1, 220, -2.89615, W 1.225, D32, 1, 221, -3.02212, 1.225, D32, 1, 222, -3.14808, 1.225, D32, 1, W 223, -3.27404, 1.225, D32, 1, 224, -3.4, 1.225, D32, 1, 225, -1.13269, 1.375, W 0.925, D32, 1, 226, -1.25865, 1.375, D32, 1, 227, -1.38462, 1.375, D32, 1, 228, W -1.51058, 1.375, D32, 1, 229, -1.63654, 1.375, D32, 1, 230, -1.7625, 1.375, D32, 1, 231, -1.88846, 1.375, D32, 1, 232, -2.01442, 1.375, D32, 1, 233, W -2.14038, 1.375, D32, 1, 234, -2.26635, 1.375, D32, 1, 235, -2.39231, 1.375, W 0.925, D32, 1, 236, -2.51827, 1.375, D32, 1, 237, -2.64423, 1.375, D32, 1, 238, W -2.77019, 1.375, D32, 1, 239, -2.89615, 1.375, D32, 1, 240, -3.02212, 1.375, W 0.925, D32, 1, 241, -0.125, 1.525, D32, 1, 242, -0.250962, 1.525, D32, 1, 243, W -0.376923, 1.525, D32, 1, 244, -0.502885, 1.525, D32, 1, 245, -0.628846, W 1.525, D32, 1, 246, -0.754808, 1.525, D32, 1, 247, -0.880769, 1.525, D32, 1, W 248, -1.00673, 1.525, D32, 1, 249, -1.13269, 1.525, D32, 1, 250, -1.25865, W 1.525, D32, 1, 251, -1.38462, 1.525, D32, 1, 252, -1.51058, 1.525, D32, 1, W 253, -1.63654, 1.525, D32, 1, 254, -3.14808, 1.375, D32, 1, 255, -3.27404, W 1.375, D32, 1, 256, -3.4, 1.375, D32, 1, 257, -0.125, -1.525, D32, 1, 258,

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

W
-0.250962, -1.525, D32, 1, 259, -1.7625, 1.525, D32, 1, 260, -1.88846, 1.525
, W
D32, 1, 261, -2.01442, 1.525, D32, 1, 262, -2.14038, 1.525, D32, 1, 263, W
-2.26635, 1.525, D32, 1, 264, -2.39231, 1.525, D32, 1, 265, -2.51827, 1.525,
W
D32, 1, 266, -2.64423, 1.525, D32, 1, 267, -2.77019, 1.525, D32, 1, 268, W
-2.89615, 1.525, D32, 1, 269, -3.02212, 1.525, D32, 1, 270, -3.14808, 1.525,
W
D32, 1, 271, -3.27404, 1.525, D32, 1, 272, -3.4, 1.525, D32, 1, 273, W
-0.376923, -1.525, D32, 1, 274, -0.502885, -1.525, D32, 1, 275, -0.628846, W
-1.525, D32, 1, 276, -0.754808, -1.525, D32, 1, 277, -0.880769, -1.525, D32,
W
1, 278, -1.00673, -1.525, D32, 1, 279, -1.13269, -1.525, D32, 1, 280, W
-1.25865, -1.525, D32, 1, 281, -1.38462, -1.525, D32, 1, 282, -1.51058, W
-1.525, D32, 1, 283, -1.63654, -1.525, D32, 1, 284, -1.7625, -1.525, D32, 1
, W
285, -1.88846, -1.525, D32, 1, 286, -2.01442, -1.525, D32, 1, 287, -2.14038,
W
-1.525, D32, 1, 288, -2.26635, -1.525, D32, 1, 289, -0.125, -1.375, D32, 1,
W
290, -0.250962, -1.375, D32, 1, 291, -0.376923, -1.375, D32, 1, 292, W
-0.502885, -1.375, D32, 1, 293, -0.628846, -1.375, D32, 1, 294, -0.754808, W
-1.375, D32, 1, 295, -0.880769, -1.375, D32, 1, 296, -2.39231, -1.525, D32,
1 W
, 297, -2.51827, -1.525, D32, 1, 298, -2.64423, -1.525, D32, 1, 299, W
-2.77019, -1.525, D32, 1, 300, -2.89615, -1.525, D32, 1, 301, -3.02212, W
-1.525, D32, 1, 302, -3.14808, -1.525, D32, 1, 303, -3.27404, -1.525, D32, 1
W
, 304, -3.4, -1.525, D32, 1, 305, -1.00673, -1.375, D32, 1, 306, -1.13269, W
-1.375, D32, 1, 307, -1.25865, -1.375, D32, 1, 308, -1.38462, -1.375, D32, 1
W
, 309, -1.51058, -1.375, D32, 1, 310, -1.63654, -1.375, D32, 1, 311, -1.7625
, W
-1.375, D32, 1, 312, -1.88846, -1.375, D32, 1, 313, -2.01442, -1.375, D32, 1
W
, 314, -2.14038, -1.375, D32, 1, 315, -2.26635, -1.375, D32, 1, 316, W
-2.39231, -1.375, D32, 1, 317, -2.51827, -1.375, D32, 1, 318, -2.64423, W
-1.375, D32, 1, 319, -2.77019, -1.375, D32, 1, 320, -2.89615, -1.375, D32, 1
W
, 321, -0.125, -1.225, D32, 1, 322, -0.250962, -1.225, D32, 1, 323, W
-0.376923, -1.225, D32, 1, 324, -0.502885, -1.225, D32, 1, 325, -0.628846, W

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

-1.225, D32, 1, 326, -0.754808, -1.225, D32, 1, 327, -0.880769, -1.225, D32,
W
1, 328, -1.00673, -1.225, D32, 1, 329, -1.13269, -1.225, D32, 1, 330, W
-1.25865, -1.225, D32, 1, 331, -1.38462, -1.225, D32, 1, 332, -1.51058, W
-1.225, D32, 1, 333, -3.02212, -1.375, D32, 1, 334, -3.14808, -1.375, D32, 1
W
, 335, -3.27404, -1.375, D32, 1, 336, -3.4, -1.375, D32, 1, 337, -0.125, W
-1.075, D32, 1, 338, -1.63654, -1.225, D32, 1, 339, -1.7625, -1.225, D32, 1
, W
340, -1.88846, -1.225, D32, 1, 341, -2.01442, -1.225, D32, 1, 342, -2.14038,
W
-1.225, D32, 1, 343, -2.26635, -1.225, D32, 1, 344, -2.39231, -1.225, D32, 1
W
, 345, -2.51827, -1.225, D32, 1, 346, -2.64423, -1.225, D32, 1, 347, W
-2.77019, -1.225, D32, 1, 348, -2.89615, -1.225, D32, 1, 349, -3.02212, W
-1.225, D32, 1, 350, -3.14808, -1.225, D32, 1, 351, -3.27404, -1.225, D32, 1
W
, 352, -3.4, -1.225, D32, 1, 353, -0.250962, -1.075, D32, 1, 354, -0.376923,
W
-1.075, D32, 1, 355, -0.502885, -1.075, D32, 1, 356, -0.628846, -1.075, D32,
W
1, 357, -0.754808, -1.075, D32, 1, 358, -0.880769, -1.075, D32, 1, 359, W
-1.00673, -1.075, D32, 1, 360, -1.13269, -1.075, D32, 1, 361, -1.25865, W
-1.075, D32, 1, 362, -1.38462, -1.075, D32, 1, 363, -1.51058, -1.075, D32, 1
W
, 364, -1.63654, -1.075, D32, 1, 365, -1.7625, -1.075, D32, 1, 366, -1.88846
, W
-1.075, D32, 1, 367, -2.01442, -1.075, D32, 1, 368, -2.14038, -1.075, D32, 1
W
, 369, -0.125, -0.925, D32, 1, 370, -0.250962, -0.925, D32, 1, 371, W
-0.376923, -0.925, D32, 1, 372, -0.502885, -0.925, D32, 1, 373, -0.628846, W
-0.925, D32, 1, 374, -0.754808, -0.925, D32, 1, 375, -2.26635, -1.075, D32,
1 W
, 376, -2.39231, -1.075, D32, 1, 377, -2.51827, -1.075, D32, 1, 378, W
-2.64423, -1.075, D32, 1, 379, -2.77019, -1.075, D32, 1, 380, -2.89615, W
-1.075, D32, 1, 381, -3.02212, -1.075, D32, 1, 382, -3.14808, -1.075, D32, 1
W
, 383, -3.27404, -1.075, D32, 1, 384, -3.4, -1.075, D32, 1, 385, -0.880769,
W
-0.925, D32, 1, 386, -1.00673, -0.925, D32, 1, 387, -1.13269, -0.925, D32, 1
W
, 388, -1.25865, -0.925, D32, 1, 389, -1.38462, -0.925, D32, 1, 390, W
-1.51058, -0.925, D32, 1, 391, -1.63654, -0.925, D32, 1, 392, -1.7625, W

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

W -0.925, D32, 1, 393, -1.88846, -0.925, D32, 1, 394, -2.01442, -0.925, D32, 1, 395, -2.14038, -0.925, D32, 1, 396, -2.26635, -0.925, D32, 1, 397, W -2.39231, -0.925, D32, 1, 398, -2.51827, -0.925, D32, 1, 399, -2.64423, W -0.925, D32, 1, 400, -2.77019, -0.925, D32, 1, 401, 0.125, -0.925, D32, 1, 402, 0.250962, -0.925, D32, 1, 403, 0.376923, -0.925, D32, 1, 404, 0.502885, W -0.925, D32, 1, 405, 0.628846, -0.925, D32, 1, 406, 0.754808, -0.925, D32, 1, 407, 0.880769, -0.925, D32, 1, 408, 1.00673, -0.925, D32, 1, 409, 1.13269, W -0.925, D32, 1, 410, 1.25865, -0.925, D32, 1, 411, 1.38462, -0.925, D32, 1, 412, -2.89615, -0.925, D32, 1, 413, -3.02212, -0.925, D32, 1, 414, -3.14808, W -0.925, D32, 1, 415, -3.27404, -0.925, D32, 1, 416, -3.4, -0.925, D32, 1, W 417, 1.51058, -0.925, D32, 1, 418, 1.63654, -0.925, D32, 1, 419, 1.7625, W -0.925, D32, 1, 420, 1.88846, -0.925, D32, 1, 421, 2.01442, -0.925, D32, 1, W 422, 2.14038, -0.925, D32, 1, 423, 2.26635, -0.925, D32, 1, 424, 2.39231, W -0.925, D32, 1, 425, 2.51827, -0.925, D32, 1, 426, 2.64423, -0.925, D32, 1, W 427, 2.77019, -0.925, D32, 1, 428, 2.89615, -0.925, D32, 1, 429, 3.02212, W -0.925, D32, 1, 430, 3.14808, -0.925, D32, 1, 431, 3.27404, -0.925, D32, 1, W 432, 3.4, -0.925, D32, 1, 433, 0.125, -1.075, D32, 1, 434, 0.250962, -1.075, D32, 1, 435, 0.376923, -1.075, D32, 1, 436, 0.502885, -1.075, D32, 1, 437, W 0.628846, -1.075, D32, 1, 438, 0.754808, -1.075, D32, 1, 439, 0.880769, W -1.075, D32, 1, 440, 1.00673, -1.075, D32, 1, 441, 1.13269, -1.075, D32, 1, W 442, 1.25865, -1.075, D32, 1, 443, 1.38462, -1.075, D32, 1, 444, 1.51058, W -1.075, D32, 1, 445, 1.63654, -1.075, D32, 1, 446, 1.7625, -1.075, D32, 1, W 447, 1.88846, -1.075, D32, 1, 448, 2.01442, -1.075, D32, 1, 449, 0.125, W -1.225, D32, 1, 450, 0.250962, -1.225, D32, 1, 451, 0.376923, -1.225, D32, 1, W 452, 0.502885, -1.225, D32, 1, 453, 0.628846, -1.225, D32, 1, 454, 2.14038, , W -1.075, D32, 1, 455, 2.26635, -1.075, D32, 1, 456, 2.39231, -1.075, D32, 1, W 457, 2.51827, -1.075, D32, 1, 458, 2.64423, -1.075, D32, 1, 459, 2.77019, W

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

W -1.075, D32, 1, 460, 2.89615, -1.075, D32, 1, 461, 3.02212, -1.075, D32, 1, 462, 3.14808, -1.075, D32, 1, 463, 3.27404, -1.075, D32, 1, 464, 3.4, -1.075, W D32, 1, 465, 0.754808, -1.225, D32, 1, 466, 0.880769, -1.225, D32, 1, 467, W 1.00673, -1.225, D32, 1, 468, 1.13269, -1.225, D32, 1, 469, 1.25865, -1.225, W D32, 1, 470, 1.38462, -1.225, D32, 1, 471, 1.51058, -1.225, D32, 1, 472, W 1.63654, -1.225, D32, 1, 473, 1.7625, -1.225, D32, 1, 474, 1.88846, -1.225, W D32, 1, 475, 2.01442, -1.225, D32, 1, 476, 2.14038, -1.225, D32, 1, 477, W 2.26635, -1.225, D32, 1, 478, 2.39231, -1.225, D32, 1, 479, 2.51827, -1.225, W D32, 1, 480, 2.64423, -1.225, D32, 1, 481, 0.125, -1.375, D32, 1, 482, W 0.250962, -1.375, D32, 1, 483, 0.376923, -1.375, D32, 1, 484, 0.502885, W -1.375, D32, 1, 485, 0.628846, -1.375, D32, 1, 486, 0.754808, -1.375, D32, 1, W 487, 0.880769, -1.375, D32, 1, 488, 1.00673, -1.375, D32, 1, 489, 1.13269, W -1.375, D32, 1, 490, 1.25865, -1.375, D32, 1, 491, 2.77019, -1.225, D32, 1, W 492, 2.89615, -1.225, D32, 1, 493, 3.02212, -1.225, D32, 1, 494, 3.14808, W -1.225, D32, 1, 495, 3.27404, -1.225, D32, 1, 496, 3.4, -1.225, D32, 1, 497, , W 1.38462, -1.375, D32, 1, 498, 1.51058, -1.375, D32, 1, 499, 1.63654, -1.375, W D32, 1, 500, 1.7625, -1.375, D32, 1, 501, 1.88846, -1.375, D32, 1, 502, W 2.01442, -1.375, D32, 1, 503, 2.14038, -1.375, D32, 1, 504, 2.26635, -1.375, W D32, 1, 505, 2.39231, -1.375, D32, 1, 506, 2.51827, -1.375, D32, 1, 507, W 2.64423, -1.375, D32, 1, 508, 2.77019, -1.375, D32, 1, 509, 2.89615, -1.375, W D32, 1, 510, 3.02212, -1.375, D32, 1, 511, 3.14808, -1.375, D32, 1, 512, W 3.27404, -1.375, D32, 1, 513, 0.125, -1.525, D32, 1, 514, 0.250962, -1.525, W D32, 1, 515, 0.376923, -1.525, D32, 1, 516, 0.502885, -1.525, D32, 1, 517, W 0.628846, -1.525, D32, 1, 518, 0.754808, -1.525, D32, 1, 519, 0.880769, W -1.525, D32, 1, 520, 1.00673, -1.525, D32, 1, 521, 1.13269, -1.525, D32, 1, W 522, 1.25865, -1.525, D32, 1, 523, 1.38462, -1.525, D32, 1, 524, 1.51058, W -1.525, D32, 1, 525, 1.63654, -1.525, D32, 1, 526, 1.7625, -1.525, D32, 1, W 527, 1.88846, -1.525, D32, 1, 528, 3.4, -1.375, D32, 1, 529, 3.4, 0.8, D32,

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

1 W , 530, 3.4, 0.676923, D32, 1, 531, 3.4, 0.553846, D32, 1, 532, 3.4, 0.430769
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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_하부구조(부산)

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; ..... ;
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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교_허부구조(부산)

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