

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(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, 5.5
10, 3.525, 0, 9.5
11, -3.525, 0, 9.5
12, -4.925, 0, 7.5
13, -3.525, 0, 7.5
14, -1.75, 0, 7.5
15, 4.925, 0, 7.5
16, 3.525, 0, 7.5
17, 1.75, 0, 7.5
18, 0, 0, 7.5
19, 0, 0, 1.1
20, 0, 0, 2.2
21, 0, 0, 3.3
22, 0, 0, 4.4
23, 0, 0, -1.1

*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

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

)
2, BEAM , 1, 3, 12, 13, 0, 0
3, BEAM , 1, 3, 13, 14, 0, 0
4, BEAM , 1, 3, 15, 16, 0, 0
5, BEAM , 1, 3, 16, 17, 0, 0
6, BEAM , 1, 2, 14, 18, 0, 0
7, BEAM , 1, 2, 18, 17, 0, 0
8, BEAM , 1, 1, 23, 1, 0, 0
9, BEAM , 1, 1, 1, 19, 0, 0
10, BEAM , 1, 1, 19, 20, 0, 0
11, BEAM , 1, 1, 20, 21, 0, 0
12, BEAM , 1, 1, 21, 22, 0, 0
13, BEAM , 1, 1, 22, 2, 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 , C24 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012 ,
C24

*MATL-COLOR
; iMAT, 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

*SECTION : Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st I
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st I
ine - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ; 2nd I
ine
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd I
ine
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st I
ine - SRC

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```
;      D1, D2, [SRC] ; 2nd l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st l
ine - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23,
D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE ; 1st l
ine - TAPERED
;      DB, NAME1, NAME2 ; 2nd l
ine(STYPE=DB)
;      [DIM1], [DIM2] ; 2nd l
ine(STYPE=USER)
;      D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd l
ine(STYPE=VALUE)
;      AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd l
ine(STYPE=VALUE)
;      CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th l
ine(STYPE=VALUE)
;      Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th l
ine(STYPE=VALUE)
;      D21, D22, D23, D24, D25, D26, D27, D28 ; 6th l
ine(STYPE=VALUE)
;      AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th l
ine(STYPE=VALUE)
;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th l
ine(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th l
ine(STYPE=VALUE)
;      OPT1, OPT2, [JOINT] ; 2nd l
ine(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL ; 2nd l
ine(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd l
ine(STYPE=PSC)
;      bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd l
ine(STYPE=PSC-CMPW)
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th l
ine(STYPE=PSC)
;      [SIZE-A]-i ; 5th l
ine(STYPE=PSC)
;      [SIZE-B]-i ; 6th l
ine(STYPE=PSC)
;      [SIZE-C]-i ; 7th l
ine(STYPE=PSC)
;      [SIZE-D]-i ; 8th l
```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```
ine(STYPE=PSC)
;      [SIZE-A]-j ; 9th l
ine(STYPE=PSC)
;      [SIZE-B]-j ; 10th
line(STYPE=PSC)
;      [SIZE-C]-j ; 11th
line(STYPE=PSC)
;      [SIZE-D]-j ; 12th
line(STYPE=PSC)
;      GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd l
ine(STYPE=CMP-B/I)
;      SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd l
ine(STYPE=CMP-B/I)
;      SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th l
ine(STYPE=CMP-B/I)
;      N1, N2, Hr, Hr2, tr1, tr2 ; 5th l
ine(STYPE=CMP-B)
;      GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd l
ine(STYPE=CMP-CI/CT)
;      OPT1, OPT2, [JOINT] ; 3rd l
ine(STYPE=CMP-CI/CT)
;      [SIZE-A]-i ; 4th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-B]-i ; 5th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-C]-i ; 6th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-D]-i ; 7th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-A]-j ; 8th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-B]-j ; 9th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-C]-j ; 10th
line(STYPE=CMP-CI/CT)
;      [SIZE-D]-j ; 11th
line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 ; 1st l
ine - CONSTRUCT
;      SHAPE, ...(same with other type data from shape) ; Befor
e (STYPE1)
;      SHAPE, ...(same with other type data from shape) ; After
(STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st l
ine - COMPOSITE-SB
```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

;      Hw, tw, B, Bf1, tf1, B2, Bf2, tf2          ; 2nd I
ine
;      N1, N2, Hr, Hr2, tr1, tr2                  ; 3rd I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE          ; 1st I
ine - COMPOSITE-S1
;      Hw, tw, B, tf1, B2, tf2                    ; 2nd I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      ; 3rd I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE          ; 1st I
ine - COMPOSITE-C1/CT
;      OPT1, OPT2, [JOINT]                        ; 2nd I
ine
;      [SIZE-A]                                   ; 3rd I
ine
;      [SIZE-B]                                   ; 4th I
ine
;      [SIZE-C]                                   ; 5th I
ine
;      [SIZE-D]                                   ; 6th I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb          ; 7th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE          ; 1st I
ine - PSC
;      OPT1, OPT2, [JOINT]                        ; 2nd I
ine
;      bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE          ; 3rd I
ine
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]      ; 4th I
ine
;      [SIZE-A]                                   ; 5th I
ine
;      [SIZE-B]                                   ; 6th I
ine
;      [SIZE-C]                                   ; 7th I
ine
;      [SIZE-D]                                   ; 8th I
ine
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC]   : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2

```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERJ, iVERT, VUSERI, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCELL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCELL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCELL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCELL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCELL2)
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
;      1, DBUSER, 기동, CC, 0, 0, 0, 0, 0, 0, YES, SR, 2, 3.5, 0, 0, 0
;      2, DBUSER, 중앙, CC, 0, 0, 0, 0, 0, 0, YES, SB, 2, 4, 3.5, 0, 0
;      3, TAPERED, coping, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB, 1, 1, USE
R      2.2, 3.5, 0, 0, 0, 0, 0, 0, 4, 3.5, 0, 0, 0, 0, 0

```

*SECT-COLOR

```

; iSEC, W_L_R, 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
;      3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

```

*DGN-SECT

```

; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2]          ; 1st I
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL      ; 1st I
ine - VALUE
;      AREA, ASy, ASz, lxx, lyy, lzz          ; 2nd I
ine
;      CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz          ; 3rd I
ine
;      Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz          ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st I
ine - SRC

```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```
;      D1, D2, [SRC] ; 2nd l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st l
ine - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23,
D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE ; 1st l
ine - TAPERED
;      DB, NAME1, NAME2 ; 2nd l
ine(STYPE=DB)
;      [DIM1], [DIM2] ; 2nd l
ine(STYPE=USER)
;      D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd l
ine(STYPE=VALUE)
;      AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd l
ine(STYPE=VALUE)
;      CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th l
ine(STYPE=VALUE)
;      Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th l
ine(STYPE=VALUE)
;      D21, D22, D23, D24, D25, D26, D27, D28 ; 6th l
ine(STYPE=VALUE)
;      AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th l
ine(STYPE=VALUE)
;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th l
ine(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th l
ine(STYPE=VALUE)
;      OPT1, OPT2, [JOINT] ; 2nd l
ine(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL ; 2nd l
ine(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd l
ine(STYPE=PSC)
;      bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd l
ine(STYPE=PSC-CMPW)
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th l
ine(STYPE=PSC)
;      [SIZE-A]-i ; 5th l
ine(STYPE=PSC)
;      [SIZE-B]-i ; 6th l
ine(STYPE=PSC)
;      [SIZE-C]-i ; 7th l
ine(STYPE=PSC)
;      [SIZE-D]-i ; 8th l
```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```
ine(STYPE=PSC)
;      [SIZE-A]-j ; 9th l
ine(STYPE=PSC)
;      [SIZE-B]-j ; 10th
line(STYPE=PSC)
;      [SIZE-C]-j ; 11th
line(STYPE=PSC)
;      [SIZE-D]-j ; 12th
line(STYPE=PSC)
;      GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd l
ine(STYPE=CMP-B/I)
;      SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd l
ine(STYPE=CMP-B/I)
;      SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th l
ine(STYPE=CMP-B/I)
;      N1, N2, Hr, Hr2, tr1, tr2 ; 5th l
ine(STYPE=CMP-B)
;      GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd l
ine(STYPE=CMP-CI/CT)
;      OPT1, OPT2, [JOINT] ; 3rd l
ine(STYPE=CMP-CI/CT)
;      [SIZE-A]-i ; 4th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-B]-i ; 5th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-C]-i ; 6th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-D]-i ; 7th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-A]-j ; 8th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-B]-j ; 9th l
ine(STYPE=CMP-CI/CT)
;      [SIZE-C]-j ; 10th
line(STYPE=CMP-CI/CT)
;      [SIZE-D]-j ; 11th
line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 ; 1st l
ine - CONSTRUCT
;      SHAPE, ...(same with other type data from shape) ; Befor
e (STYPE1)
;      SHAPE, ...(same with other type data from shape) ; After
(STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st l
ine - COMPOSITE-SB
```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

;      Hw, tw, B, Bf1, tf1, B2, Bf2, tf2      ; 2nd I
ine
;      N1, N2, Hr, Hr2, tr1, tr2      ; 3rd I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE      ; 1st I
ine - COMPOSITE-SI
;      Hw, tw, B, tf1, B2, tf2      ; 2nd I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      ; 3rd I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE      ; 1st I
ine - COMPOSITE-C1/CT
;      OPT1, OPT2, [JOINT]      ; 2nd I
ine
;      [SIZE-A]      ; 3rd I
ine
;      [SIZE-B]      ; 4th I
ine
;      [SIZE-C]      ; 5th I
ine
;      [SIZE-D]      ; 6th I
ine
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb      ; 7th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE      ; 1st I
ine - PSC
;      OPT1, OPT2, [JOINT]      ; 2nd I
ine
;      bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE      ; 3rd I
ine
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]      ; 4th I
ine
;      [SIZE-A]      ; 5th I
ine
;      [SIZE-B]      ; 6th I
ine
;      [SIZE-C]      ; 7th I
ine
;      [SIZE-D]      ; 8th I
ine
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2

```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERJ, iVERT, VUSERI, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
;      1, DBUSER, 기동, CC, 0, 0, 0, 0, 0, 0, YES, SR, 2, 3.5, 0, 0, 0
, 0, 0, 0, 0, 0, 0
;      2, DBUSER, 중앙, CC, 0, 0, 0, 0, 0, 0, YES, SB, 2, 4, 3.5, 0, 0
, 0, 0, 0, 0, 0, 0
;      3, TAPERED, coping, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB, 1, 1, USE
R
;      2.2, 3.5, 0, 0, 0, 0, 0, 0, 4, 3.5, 0, 0, 0, 0, 0

```

*TS-GROUP : Tapered Section Group
; NAME, ELEM_LIST, ZVAR, ZEXP, ZFROM, ZDIST, YVAR, YEXP, YFROM, YDIST, iSCM
coping, 2to5, LINEAR, , , , LINEAR, , , , 0

*STLDCASE : Static Load Cases
; LCNAME, LCTYPE, DESC
자중, D,
고정하중, D,
활하중-상부, D,
풍하중-상부, D,
풍하중-코핑, D,
풍하중-기동, D,
풍하중-활하중, D,
온도하중, D,
지점침하, D,

*DGN-CONC : Concrete Design Code

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

; 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
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-GROUP
; 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

```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

```

; 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
; [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-LSD90] : 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, bBRBCE, b
RWALL, bRSLAB, bRMAT, bSBEAM, bCANTIL, bUNDER-BM/COLM
CODE=KSCE-USD05, 0, 0, 0, 1, 0, , ,
NO, 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
23, 111111,

```

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

*ELASTICLINK
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP
; OUP ; GEN
; iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR, DRy, DRz, GROUP
; ; RIGID
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, bSHEAR, DRy, DRz, GROUP
; ; TENS,COMP
; iNO, iNODE1, iNODE2, LINK, ANGLE, (UN)SYM, NUM, DIST1, FORCE1 ... DIST10, FORCE10, D
IR, bSHEAR, DREND1, GROUP ; MULTI LINEAR
1, 13, 11, RIGID, 0, NO, 0.5, 0.5,
2, 16, 10, RIGID, 0, NO, 0.5, 0.5,

*SECTDATA-CHK ; Beam/Column Section Data for Design
; iSEC, TYPE, ENVTYP ; line 1
; [BEAM-T]-I , [BEAM-T]-M , [BEAM-T]-J ; line 2(layer1)
; ... ; ...
; [BEAM-T]-I , [BEAM-T]-M , [BEAM-T]-J ; line 11(layer10)
; [BEAM-B]-I , [BEAM-B]-M , [BEAM-B]-J ; line 12(layer1)
; ... ; ...
; [BEAM-B]-I , [BEAM-B]-M , [BEAM-B]-J ; line 21(layer10)
; [SUB-BAR]-I , [SUB-BAR]-M , [SUB-BAR]-J ; line 22
; Dc1, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 2(layer1)
; ... ; ...
; Dc5, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 6(layer5)
; SBSIZE, SBSPACE, SBNUM, SBSIZE(y), SBSIZE(z), SBNUM(y), SBNUM(z) ; line 7
; [BEAM-T] : Dt, NUM, S1, S2
; [BEAM-B] : Db, NUM, S1, S2
; [SUB-BAR] : NUM, S, DIST, ANGLE, bTBAR, TBAR, TBAR_S, BUNDLE, BUNDEL_N, LBAR, LBAR_N
, bBUBAR, BUBAR, BUBAR_N, BUBAR_ANGLE
; [COLM] : NUM, S1, S2
1, COLM, DRY
0.1, 83, D32, , 0, , , 0, ,
0.2, 78, D29, , 0, , , 0, ,
0, 0, , , 0, , , 0, ,
0, 0, , , 0, , , 0, ,
0, 0, , , 0, , , 0, ,
, 0, 2, , , 2, 2

*MEMBERTYPE ; Modify Member Type
; ELEM_LIST, TYPE, SUBTYPE
8to13, COLUMN, 0

*RIGIDLINK ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
18, 111111, 2,

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

*USE-STLD, 자중

; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,

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

*USE-STLD, 고정하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
10, 0, 0, -4261.58, 0, 0, 0,
11, 0, 0, -3808.64, 0, 0, 0,

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

*USE-STLD, 활하중-상부

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
11, -1137.85, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-상부

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
10, -1137.85, 0, 0, 0, 0, 0,
11, -1137.85, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-코핑

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
15, -42, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-기둥

*CONLOAD ; Nodal Loads

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
20, -69.3, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-활하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
10, -79.93, 0, 0, 0, -431.622, 0,
11, -79.93, 0, 0, 0, -431.622, 0,

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

*USE-STLD, 온도하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
10, 0, 201.756, 0, 0, 0, 0,
11, 0, 201.756, 0, 0, 0, 0,

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

*USE-STLD, 지점침하

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
10, 0, 0, -152.479, 0, 0, 0,
11, 0, 0, -152.479, 0, 0, 0,

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

*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=lc1, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중, 1.3
NAME=lc2, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중, 1.3, ST, 풍하중-상부, 1.3
ST, 풍하중-코핑, 1.3, ST, 풍하중-기동, 1.3
NAME=lc3, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중, 1.3, ST, 활하중-상부, 1.3
ST, 풍하중-상부, 0.65, ST, 풍하중-코핑, 0.65, ST, 풍하중-기동, 0.65
ST, 풍하중-활하중, 0.65

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	노변교 하부구조(부산)

NAME=lc4, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중, 1.3, ST, 활하중-상부, 1.3
ST, 온도하중, -1.3, ST, 지점침하, -1.3
NAME=lc5, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중, 1.3, ST, 활하중-상부, 1.3
ST, 온도하중, 1.3, ST, 지점침하, 1.3
NAME=lc6, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중, 1.25, ST, 풍하중-상부, 1.25
ST, 풍하중-코핑, 1.25, ST, 풍하중-기동, 1.25, ST, 온도하중, -1.25
ST, 지점침하, -1.25
NAME=lc7, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중, 1.25, ST, 풍하중-상부, 1.25
ST, 풍하중-코핑, 1.25, ST, 풍하중-기동, 1.25, ST, 온도하중, 1.25
ST, 지점침하, 1.25
NAME=lc8, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중, 1.25, ST, 활하중-상부, 1.25
ST, 풍하중-상부, 0.625, ST, 풍하중-코핑, 0.625, ST, 풍하중-기동, 0.625
ST, 풍하중-활하중, 0.625, ST, 온도하중, -1.25, ST, 지점침하, -1.25
NAME=lc9, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중, 1.25, ST, 활하중-상부, 1.25
ST, 풍하중-상부, 0.625, ST, 풍하중-코핑, 0.625, ST, 풍하중-기동, 0.625
ST, 풍하중-활하중, 0.625, ST, 온도하중, 1.25, ST, 지점침하, 1.25
NAME=최대대, CONC, STRENGTH, 0, 1, , 0, 0
CBC, lc1, 1, CBC, lc2, 1, CBC, lc3, 1, CBC, lc4, 1, CBC, lc5, 1
CBC, lc6, 1, CBC, lc7, 1, CBC, lc8, 1, CBC, lc9, 1

*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, 148, 87, 255, 0, 128, 192, 255, 192, 160
ST, 고정하중, 255, 192, 87, 0, 128, 128, 85, 192, 0
ST, 활하중-상부, 255, 0, 192, 0, 128, 192, 160, 255, 255
ST, 풍하중-상부, 0, 128, 128, 0, 192, 192, 0, 128, 255
ST, 풍하중-코핑, 148, 87, 255, 192, 0, 192, 0, 192, 192
ST, 풍하중-기동, 192, 192, 0, 0, 157, 192, 192, 192, 192
ST, 풍하중-활하중, 192, 128, 0, 160, 192, 255, 255, 0, 192
ST, 온도하중, 192, 192, 0, 255, 0, 192, 160, 192, 255
ST, 지점침하, 0, 128, 128, 146, 0, 255, 146, 0, 255
CBC, lc1, 160, 255, 255, 0, 157, 192, 192, 192, 192
CBC, lc2, 0, 128, 128, 85, 192, 0, 0, 128, 57
CBC, lc3, 255, 160, 255, 192, 72, 0, 192, 192, 0
CBC, lc4, 192, 0, 192, 85, 192, 0, 0, 192, 192
CBC, lc5, 0, 157, 192, 212, 160, 255, 192, 0, 192
CBC, lc6, 0, 128, 128, 146, 0, 255, 255, 87, 128
CBC, lc7, 0, 192, 128, 148, 87, 255, 192, 192, 0

PROJECT TITLE :			
	Company		Client
	Author	Microsoft	File Name 노변교 하부구조(부산)

CBC, lc8, 0, 192, 192, 255, 160, 255, 255, 192, 160
CBC, lc9, 255, 192, 87, 210, 210, 210, 255, 128, 0
CBC, 최대대, 210, 210, 210, 163, 160, 255, 255, 192, 160

*MEMBER ; Member
; iKEY, ELEM, bREVERSE, AELEM1, AELEM2, ...
1, 8, NO, 9, 10, 11, 12, 13

*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, C24, 1, KS01-Civil(RC), ,C24, NO, 1
, KS(RC), SD30, SD30, , 16800, 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=lc9, lc8, lc7, lc6, lc5, lc4, lc3, lc2, lc1

*DPAR-RCCOL ; Design Parameter for RC Column
; EL_LIST, iXDirBd, iYDirBd, bPosi, bPosj, bPosm, bAutoEq ; 1st l
ine
; bAutoDeltans, bAutoDeltas, bShChk, bAutoBd, Rhomax, Cmz, ; 2nd l
ine
; Dc, Deltansy, Deltansz, Deltasy, Deltasz, Remark ; 3rd l
ine
; bCTC, CTC, bBd_NS, Bd_nsy, Bd_nsz, bBd_S, Bd_sy, Bd_sz, bRS, Ry, Rz ; 4th l
ine
8, 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	Microsoft	File Name	노면교 하부구조(부산)

```
;          GROUPID, GROUPNAME, GROUPTYPE          ; lin
e n
; ..... ;

;          LOOP UTIL (PARTISIZE, PARTJSIZE)          ;

;          PARTTYPE, GROUPID, PARTNAME, PARTSHAPE, bSTIFFENER          ; lin
e n
;          LINESIZE, LINEINDEX[i].....          ; lin
e n
; ..... ;

    SECT=3, YES
0, 0, 0, 0

*SECTION MANAGER-STIFFENER      ; Section Manager - Stiffener
; SECT = NO, bSAMEJ          ; lin
e 1
;          STFNISIZE, STFJNSIZE          ; lin
e 2
; ..... ;

;          LOOP UTIL (STFNISIZE, STFJNSIZE)          ;

;          TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM, CTC          ; lin
e n
;          STIFFTYPE, dSIZE(0 ~ 20)          ; lin
e n
;          LINESIZE, LINEINDEX[i].....          ; lin
e n
; ..... ;

    SECT=3, YES
0, 0

*ENDDATA
```