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: MIDAS/Civil Text(MCT) File.
: Date : 2018/2/2
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*VERSION
8.7.0
*UNIT      : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN      , MM, J, C
*STRUCTYPE      : Structure Type
: iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM,
bALIGNSLAB, bROTRIGID
0, 1, 1, NO, NO, 9806, 0, NO, NO, NO
*REBAR-MATL-CODE      : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KSCE-LSD15(RC), SD300, KSCE-LSD15(RC), SD300
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: 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
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167.	BEAM	,	1.	8.	133.	109.	0.	0
168.	BEAM	,	1.	9.	133.	110.	0.	0
169.	BEAM	,	1.	9.	134.	112.	0.	0
170.	BEAM	,	1.	8.	134.	113.	0.	0
171.	BEAM	,	1.	8.	135.	115.	0.	0
172.	BEAM	,	1.	9.	135.	116.	0.	0
173.	BEAM	,	1.	9.	136.	118.	0.	0
174.	BEAM	,	1.	8.	136.	119.	0.	0
175.	BEAM	,	1.	8.	137.	121.	0.	0
176.	BEAM	,	1.	9.	137.	122.	0.	0
177.	BEAM	,	2.	6.	139.	86.	0.	0
178.	BEAM	,	2.	6.	142.	89.	0.	0
179.	BEAM	,	2.	6.	145.	92.	0.	0
180.	BEAM	,	2.	6.	148.	95.	0.	0
181.	BEAM	,	2.	6.	151.	98.	0.	0
182.	BEAM	,	2.	6.	154.	101.	0.	0
183.	BEAM	,	2.	6.	157.	104.	0.	0
184.	BEAM	,	2.	6.	161.	108.	0.	0
185.	BEAM	,	2.	6.	164.	111.	0.	0
186.	BEAM	,	2.	6.	167.	114.	0.	0
187.	BEAM	,	2.	6.	170.	117.	0.	0
188.	BEAM	,	2.	6.	173.	120.	0.	0
189.	BEAM	,	2.	6.	176.	123.	0.	0
190.	BEAM	,	1.	9.	177.	123.	0.	0
191.	BEAM	,	2.	6.	177.	124.	0.	0
192.	BEAM	,	1.	9.	140.	126.	0.	0
193.	BEAM	,	1.	8.	141.	126.	0.	0
194.	BEAM	,	1.	8.	143.	127.	0.	0
195.	BEAM	,	1.	9.	144.	127.	0.	0
196.	BEAM	,	1.	9.	146.	128.	0.	0
197.	BEAM	,	1.	8.	147.	128.	0.	0
198.	BEAM	,	1.	8.	149.	129.	0.	0
199.	BEAM	,	1.	9.	150.	129.	0.	0
200.	BEAM	,	1.	9.	152.	130.	0.	0
201.	BEAM	,	1.	8.	153.	130.	0.	0
202.	BEAM	,	1.	8.	155.	131.	0.	0
203.	BEAM	,	1.	9.	156.	131.	0.	0

204.	BEAM	,	1.	8.	158.	132.	0.	0
205.	BEAM	,	1.	9.	159.	132.	0.	0
206.	BEAM	,	1.	8.	160.	132.	0.	0
207.	BEAM	,	1.	9.	162.	133.	0.	0
208.	BEAM	,	1.	8.	163.	133.	0.	0
209.	BEAM	,	1.	8.	165.	134.	0.	0
210.	BEAM	,	1.	9.	166.	134.	0.	0
211.	BEAM	,	1.	9.	168.	135.	0.	0
212.	BEAM	,	1.	8.	169.	135.	0.	0
213.	BEAM	,	1.	8.	171.	136.	0.	0
214.	BEAM	,	1.	9.	172.	136.	0.	0
215.	BEAM	,	1.	9.	174.	137.	0.	0
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217.	BEAM	,	1.	7.	138.	139.	0.	0
218.	BEAM	,	1.	7.	139.	140.	0.	0
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497, BEAM , 2, 5, 329, 302, 0, 0

540, BEAM , 2, 4, 345, 346, 0, 0
541, BEAM , 2, 3, 346, 347, 0, 0
542, BEAM , 2, 3, 347, 348, 0, 0
543, BEAM , 2, 3, 348, 349, 0, 0
544, BEAM , 2, 3, 349, 350, 0, 0
545, BEAM , 2, 3, 350, 351, 0, 0
546, BEAM , 2, 3, 351, 352, 0, 0
547, BEAM , 2, 3, 352, 353, 0, 0
548, BEAM , 2, 3, 353, 354, 0, 0
549, BEAM , 2, 4, 354, 355, 0, 0
550, BEAM , 2, 3, 355, 356, 0, 0
551, BEAM , 2, 3, 356, 357, 0, 0
552, BEAM , 2, 2, 357, 358, 0, 0
553, BEAM , 2, 2, 358, 359, 0, 0
554, BEAM , 2, 1, 359, 360, 0, 0
555, BEAM , 2, 1, 360, 361, 0, 0
556, BEAM , 2, 1, 361, 362, 0, 0

*GROUP : Group

: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE

주거터 , lto28 336to362, lto27 531to556, 0

보조부재 , 2to14by4 16 20 24 27 30to42by2 43to55by2 58to70by2 71to85by2 \
86to178 180 182 184to187 189 191 193to281 284to294by2 295to307by2 \
311to321by2 322to334by2 340 344 348 350 354 358 361, 29to41by2 42to54by2 \
57to69by2 70to82by2 85to97by2 98to112by2 113to176 190 192to256 \
258to270by2 271to285by2 288to298by2 299to313by2 314to373 387 389to449 \
452to462by2 463to475by2 479to489by2 490to502by2 506to516by2 517to529by2, \
0

가로보 , 2to26by2 27to41by2 44to56by2 57to69by2 72to86by2 89to104by3 \
108to123by3 124 139to157by3 161to176by3 177 179to192 194 195to210by3 \
214to229by3 230 244 245to260by3 264to279by3 280 282 283to293by2 \
296to308by2 309 310to320by2 323to337by2 338to360by2 361, 28to40by2 \
43to55by2 56to68by2 71to83by2 84to96by2 99to111by2 177to189 191 \
257to269by2 272to286by2 287to297by2 300to312by2 374to386 388 450 \
451to461by2 464to476by2 477 478to488by2 491to503by2 504 505to515by2 \
518to530by2, 0

주거세로 , lto28 85to125 138to178 193to231 243to281 336to362, lto27 \
112to151 217to256 313to350 412to449 531to556, 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

498, BEAM , 1, 8, 330, 303, 0, 0
499, BEAM , 2, 5, 331, 304, 0, 0
500, BEAM , 1, 8, 332, 305, 0, 0
501, BEAM , 2, 5, 333, 306, 0, 0
502, BEAM , 1, 9, 334, 307, 0, 0
503, BEAM , 2, 5, 335, 308, 0, 0
504, BEAM , 2, 10, 337, 309, 0, 0
505, BEAM , 2, 10, 338, 310, 0, 0
506, BEAM , 1, 8, 340, 311, 0, 0
507, BEAM , 2, 10, 340, 312, 0, 0
508, BEAM , 1, 8, 340, 313, 0, 0
509, BEAM , 2, 10, 342, 314, 0, 0
510, BEAM , 1, 8, 344, 315, 0, 0
511, BEAM , 2, 10, 344, 316, 0, 0
512, BEAM , 1, 8, 344, 317, 0, 0
513, BEAM , 2, 10, 346, 318, 0, 0
514, BEAM , 1, 8, 348, 319, 0, 0
515, BEAM , 2, 10, 348, 320, 0, 0
516, BEAM , 1, 8, 348, 321, 0, 0
517, BEAM , 1, 8, 350, 322, 0, 0
518, BEAM , 2, 10, 350, 323, 0, 0
519, BEAM , 1, 8, 350, 324, 0, 0
520, BEAM , 2, 10, 352, 325, 0, 0
521, BEAM , 1, 8, 354, 326, 0, 0
522, BEAM , 2, 10, 354, 327, 0, 0
523, BEAM , 1, 8, 354, 328, 0, 0
524, BEAM , 2, 10, 356, 329, 0, 0
525, BEAM , 1, 8, 358, 330, 0, 0
526, BEAM , 2, 10, 358, 331, 0, 0
527, BEAM , 1, 8, 358, 332, 0, 0
528, BEAM , 2, 10, 360, 333, 0, 0
529, BEAM , 1, 9, 361, 334, 0, 0
530, BEAM , 2, 10, 361, 335, 0, 0
531, BEAM , 2, 1, 336, 337, 0, 0
532, BEAM , 2, 1, 337, 338, 0, 0
533, BEAM , 2, 1, 338, 339, 0, 0
534, BEAM , 2, 1, 339, 340, 0, 0
535, BEAM , 2, 2, 340, 341, 0, 0
536, BEAM , 2, 2, 341, 342, 0, 0
537, BEAM , 2, 2, 342, 343, 0, 0
538, BEAM , 2, 3, 343, 344, 0, 0
539, BEAM , 2, 3, 344, 345, 0, 0

: [DATA1] : 1, DB, NAME, CODE, USEELAST, ELAST

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

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

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

1, STEEL, SWS41 , 0, 0, , C, NO, 0.02, 1, KS-Civil(S), , SWS41
, NO, 205.94

2, STEEL, SWS50 , 0, 0, , C, NO, 0.02, 1, KS-Civil(S), , SWS50
, NO, 205.94

*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
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECTION : Section

: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER

: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE

: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line

: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC

: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED

: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24

: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE :
1st line - TAPERED

: DB, NAME1, NAME2 : 2nd
line(STYPE=DB)

: [DIM1], [DIM2] : 2nd
line(STYPE=USER)

: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd
line(STYPE=VALUE)

: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd
line(STYPE=VALUE)

: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)

```
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th
line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd
line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(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
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th
line(STYPE=CMP-B/I)
```

```
: N1, N2, Hr, Hr2, tr1, tr2 : 5th
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdBsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j : 9th
line(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, bWE, STYPE1, STYPE2 : 1st line
- CONSTRUCT
: SHAPE, ...(same with other type data from shape) : Before
(STYPE1)
: SHAPE, ...(same with other type data from shape) : After
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2 : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT] : 2nd line
: [SIZE-A] : 3rd line
: [SIZE-B] : 4th line
```

```
: [SIZE-C] : 5th line
: [SIZE-D] : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdBsb, DgdDsb, Pgd, Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] : 4th line
: bWE, [WARPING POINT]-i, [WARPING POINT]-j : 5th line
: [SIZE-A] : 6th line
: [SIZE-B] : 7th line
: [SIZE-C] : 8th line
: [SIZE-D] : 9th line
: [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
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER, 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
: [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER , 쉼 1 2600*15/500*28/500*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
500, 15, 28, 500, 22, 0, 0, 0, 0
2, DBUSER , 쉼 1 2600*15/600*35/600*28, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 35, 600, 28, 0, 0, 0, 0
3, DBUSER , 쉼 1 2600*15/600*60/600*50, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 60, 600, 50, 0, 0, 0, 0
4, DBUSER , 쉼 1 2600*15/600*110/600*94, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 110, 600, 94, 0, 0, 0, 0
```

```
5, TAPERED , 가변1 2300*10/350*22/350*22, CB, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 1,
1, USER
2300, 350, 10, 22, 350, 22, 0, 0, 1000, 350, 10, 22, 350, 22, 0, 0
6, DBUSER , 가 1000*10/350*28/350*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1000,
350, 10, 28, 350, 22, 0, 0, 0, 0
7, DBUSER , 세 500*9/200*16/200*10, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 500, 200, 9,
16, 200, 10, 0, 0, 0
8, DBUSER , B(1) 150*150*12 , CB, 0, 0, 0, 0, 0, 0, YES, NO, L , 2, 150, 150, 12, 12,
0, 0, 0, 0, 0, 0
9, DBUSER , B(2) 130*130*12 , CB, 0, 0, 0, 0, 0, 0, YES, NO, L , 2, 130, 130, 12, 12,
0, 0, 0, 0, 0, 0
10, DBUSER , 가 2300/10 , CB, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2300, 10, 0, 0,
0, 0, 0, 0, 0
11, TAPERED , 가변2 2300*10/350*22/350*22, CB, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 1,
1, USER
1000, 350, 10, 22, 350, 22, 0, 0, 2300, 350, 10, 22, 350, 22, 0, 0
*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
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
6, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
9, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
+DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
```

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

```
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
COMPOSITE-SB
: Hw, tw, B, Bf1, B2, Bf2, tf2
: N1, N2, Hr, Hr2, tr1, tr2
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT]
: [SIZE-A]
: [SIZE-B]
: [SIZE-C]
: [SIZE-D]
: SW, GN, CTC, Bc, Tc, Hh, EgdBsb, DgdDsb, Pgd, Psb
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
PSC
: OPT1, OPT2, [JOINT]
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]
: bWE, [WARPING POINT]-i, [WARPING POINT]-j
: [SIZE-A]
: [SIZE-B]
: [SIZE-C]
: [SIZE-D]
: [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
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSER1, HUSERJ, iVERT, VUSER1, 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)
```

```
line(STYPE=PSC)
: [SIZE-A]-j
line(STYPE=PSC)
: [SIZE-B]-j
line(STYPE=PSC)
: [SIZE-C]-j
line(STYPE=PSC)
: [SIZE-D]-j
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdBsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT]
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j
line(STYPE=CMP-CI/CT)
: [SIZE-C]-j
line(STYPE=CMP-CI/CT)
: [SIZE-D]-j
line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2
- CONSTRUCT
: SHAPE, ...(same with other type data from shape)
(STYPE1)
: SHAPE, ...(same with other type data from shape)
```

```
: [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
: [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER , 주 1 2600*15/500*28/500*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
500, 15, 28, 500, 22, 0, 0, 0, 0
2, DBUSER , 주 1 2600*15/600*35/600*28, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 35, 600, 28, 0, 0, 0, 0
3, DBUSER , 주 1 2600*15/600*60/600*50, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 60, 600, 50, 0, 0, 0, 0
4, DBUSER , 주 1 2600*15/600*110/600*94, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2600,
600, 15, 110, 600, 94, 0, 0, 0, 0
5, TAPERED , 가변1 2300*10/350*22/350*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 1,
1, USER
2300, 350, 10, 22, 350, 22, 0, 0, 1000, 350, 10, 22, 350, 22, 0, 0
6, DBUSER , 가 1000*10/350*28/350*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1000,
350, 10, 28, 350, 22, 0, 0, 0, 0
7, DBUSER , 세 500*9/200*16/200*10, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 500, 200, 9,
16, 200, 10, 0, 0, 0
8, DBUSER , B(1) 150*150*12 , CB, 0, 0, 0, 0, 0, 0, YES, NO, L , 2, 150, 150, 12, 12,
0, 0, 0, 0, 0
9, DBUSER , B(2) 130*130*12 , CB, 0, 0, 0, 0, 0, 0, YES, NO, L , 2, 130, 130, 12, 12,
0, 0, 0, 0, 0
10, DBUSER , 가 2300/10 , CB, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2300, 10, 0, 0,
0, 0, 0, 0, 0
11, TAPERED , 가변2 2300*10/350*22/350*22, CB, 0, 0, 0, 0, 0, 0, YES, NO, H , 1,
1, USER
1000, 350, 10, 22, 350, 22, 0, 0, 2300, 350, 10, 22, 350, 22, 0, 0
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
자중 , D ,
기타고정하중, D ,
안전발판, USER,
풍하중 열차X, USER,
풍하중 열차 O, USER,
시제동하중, USER,
온도하중+, USER,
온도하중-, USER,
LC1 , USER,
```


[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

```

0, 0, NO,
549, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
550, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
551, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
552, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
553, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
554, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
555, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
556, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -0.0024, 1, -0.0024, 0, 0, 0, 0, , NO,
0, 0, NO,
: End of data for load case [안전발판] -----
*USE-STLD, 풍하중 열차X
*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END,
bADDITIONAL_J-END
1, LINE , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0, NO,
1, LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0, 0, NO,
2, LINE , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0, NO,
2, LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0, 0, NO,
3, LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0, 0, NO,
3, LINE , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0, NO,
4, LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0, 0, NO,
4, LINE , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0, NO,

```

5.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
5.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
6.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
6.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
7.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
7.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
8.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
8.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
9.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
9.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
10.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
10.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
11.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
11.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
12.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
12.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
13.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
13.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
14.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	
14.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 10.14, 1, 10.14, 0, 0, 0, 0, , NO,
0,	NO,	
15.	LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, 0.0078, 1, 0.0078, 0, 0, 0, 0, , NO, 0,
0,	NO,	

: ELEM_LIST, TEMPER, GROUP

```
1, 50,
2, 50,
3, 50,
4, 50,
5, 50,
6, 50,
7, 50,
8, 50,
9, 50,
10, 50,
11, 50,
12, 50,
13, 50,
14, 50,
15, 50,
16, 50,
17, 50,
18, 50,
19, 50,
20, 50,
21, 50,
22, 50,
23, 50,
24, 50,
25, 50,
26, 50,
27, 50,
531, 50,
532, 50,
533, 50,
534, 50,
535, 50,
536, 50,
537, 50,
538, 50,
539, 50,
540, 50,
541, 50,
542, 50,
543, 50,
544, 50,
545, 50,

546, 50,
547, 50,
548, 50,
549, 50,
550, 50,
551, 50,
552, 50,
553, 50,
554, 50,
555, 50,
556, 50,
: End of data for load case [온도하중+] -----
*USE-STLD, 온도하중-
*ELTEMPER      : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
      1, -20,
      2, -20,
      3, -20,
      4, -20,
      5, -20,
      6, -20,
      7, -20,
      8, -20,
      9, -20,
     10, -20,
     11, -20,
     12, -20,
     13, -20,
     14, -20,
     15, -20,
     16, -20,
     17, -20,
     18, -20,
     19, -20,
     20, -20,
     21, -20,
     22, -20,
     23, -20,
     24, -20,
     25, -20,
     26, -20,
     27, -20,

531, -20,
532, -20,
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534, -20,
535, -20,
536, -20,
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538, -20,
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540, -20,
541, -20,
542, -20,
543, -20,
544, -20,
545, -20,
546, -20,
547, -20,
548, -20,
549, -20,
550, -20,
551, -20,
552, -20,
553, -20,
554, -20,
555, -20,
556, -20,
: End of data for load case [온도하중-] -----
*USE-STLD, LC1
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL,      ADDITIONAL_I-END,      ADDITIONAL_J-END,
bADDITIONAL_J-END
      327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.744727, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.744727, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      330, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0, -43.5, 0, 0, 0, 0,
0, , NO, 0, 0, 0, NO,
      330, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0, -43.5, 0, 0, 0, 0, 0,
0, 0, 0, 0, NO,

, NO, 0, 0, 0, NO,
      335, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.490959, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      335, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.490959, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      338, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.930016, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      338, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.930016, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC1] -----
*USE-STLD, LC2
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL,      ADDITIONAL_I-END,      ADDITIONAL_J-END,
bADDITIONAL_J-END
      324, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.68, -43.5, 0, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      324, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.68, -43.5, 0, 0, 0, 0, 0,
0, , NO, 0, 0, 0, NO,
      327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.837818, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.837818, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      333, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.161978, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      333, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.161978, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      335, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.561096, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      335, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.561096, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      349, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.580694, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
      349, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.580694, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC2] -----
*USE-STLD, LC3
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
```

```
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
:   [ADDITIONAL]      :   bADDITIONAL,   ADDITIONAL_I-END,   ADDITIONAL_J-END,
bADDITIONAL_J-END
317, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.5248, -43.5, 0, 0, 0,
0, 0, , NO, 0, 0, 0, NO,
317, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.5248, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
319, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.359101, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
319, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.359101, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
324, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.4848, -42.6, 0, 0, 0, 0,
0, 0, , NO, 0, 0, 0, NO,
324, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.4848, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.383535, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
327, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.383535, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
341, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.920197, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
341, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.920197, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
345, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.2048, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
345, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.2048, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
349, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 1617.5, 1617.5, NO, 0.414001, -44.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
349, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, 182.5, 182.5, NO, 0.414001, -44.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC3] -----
*USE-STLDD, LC4
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
:   [ADDITIONAL]      :   bADDITIONAL,   ADDITIONAL_I-END,   ADDITIONAL_J-END,
bADDITIONAL_J-END
```

```
0, 0, 0, , NO, 0, 0, 0, NO,
241, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.582687, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
255, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.600271, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
255, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.600271, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC5] -----
*USE-STLDD, LC6
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
:   [ADDITIONAL]      :   bADDITIONAL,   ADDITIONAL_I-END,   ADDITIONAL_J-END,
bADDITIONAL_J-END
220, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.904857, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
220, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.904857, -43.5, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
223, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.6384, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
223, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.6384, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
228, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.850722, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
228, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.850722, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
230, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.5984, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
230, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.5984, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
245, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.9584, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
245, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.9584, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
248, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.198749, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
248, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.198749, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
252, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.9184, -44.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
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218, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.765424, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
218, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.765424, -43.5, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
233, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.709818, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
233, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.709818, -43.5, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
236, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0, -43.5, 0, 0, 0, 0,
0, 0, , NO, 0, 0, 0, NO,
236, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0, -43.5, 0, 0, 0, 0, 0,
0, , NO, 0, 0, 0, NO,
241, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.509851, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
241, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.509851, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
244, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.926472, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
244, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.926472, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC4] -----
*USE-STLDD, LC5
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
:   [ADDITIONAL]      :   bADDITIONAL,   ADDITIONAL_I-END,   ADDITIONAL_J-END,
bADDITIONAL_J-END
230, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.68, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
230, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.68, -43.5, 0, 0, 0, 0,
0, 0, , NO, 0, 0, 0, NO,
233, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.798545, -43.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
233, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.798545, -43.5, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
239, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.202298, -42.6, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
239, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.202298, -42.6, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
241, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.582687, -42.6, 0, 0, 0,
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252, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.9184, -44.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
255, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -1617.5, -1617.5, NO, 0.528239, -44.5, 0, 0,
0, 0, 0, 0, , NO, 0, 0, 0, NO,
255, BEAM      , CONLOAD, GZ, NO , YES, 1, LY, -182.5, -182.5, NO, 0.528239, -44.5, 0, 0, 0,
0, 0, 0, , NO, 0, 0, 0, NO,
: End of data for load case [LC6] -----
*MVLDCODE      : Moving Load Code
: CODE=CODE
CODE=KOREA
*LINELANE      : Traffic Line Lanes
: NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS, bLANEOPT, ALLOWWIDTH
: line 1
:   iELEM1, ECC1, FACT1, bSPAN1, ECCVL...                               : from line 2
NAME=내선순환, CROSS, 가로보, 0, 0, BOTH, 3000, 1800, NO, 0
217, 900, 0.0923, YES, 0, 218, 900, 0.0923, NO, 0
219, 900, 0.0923, NO, 0, 220, 900, 0.0923, NO, 0
221, 900, 0.0923, NO, 0, 222, 900, 0.0923, NO, 0
223, 900, 0.0923, NO, 0, 224, 900, 0.0923, NO, 0
225, 900, 0.0923, NO, 0, 226, 900, 0.0923, NO, 0
227, 900, 0.0923, NO, 0, 228, 900, 0.0923, NO, 0
229, 900, 0.0923, NO, 0, 230, 900, 0.0923, NO, 0
231, 900, 0.0923, NO, 0, 232, 900, 0.0923, NO, 0
233, 900, 0.0923, NO, 0, 234, 900, 0.0923, NO, 0
235, 900, 0.0923, NO, 0, 236, 900, 0.0923, NO, 0
237, 900, 0.0923, NO, 0, 238, 900, 0.0923, NO, 0
239, 900, 0.0923, NO, 0, 240, 900, 0.0923, NO, 0
241, 900, 0.0923, NO, 0, 242, 900, 0.0923, NO, 0
243, 900, 0.0923, NO, 0, 244, 900, 0.0923, NO, 0
245, 900, 0.0923, NO, 0, 246, 900, 0.0923, NO, 0
247, 900, 0.0923, NO, 0, 248, 900, 0.0923, NO, 0
249, 900, 0.0923, NO, 0, 250, 900, 0.0923, NO, 0
251, 900, 0.0923, NO, 0, 252, 900, 0.0923, NO, 0
253, 900, 0.0923, NO, 0, 254, 900, 0.0923, NO, 0
255, 900, 0.0923, NO, 0, 256, 900, 0.0923, NO, 0
NAME=외선순환, CROSS, 가로보, 0, 0, BOTH, 3000, 1800, NO, 0
350, 900, 0.0923, YES, 0, 349, 900, 0.0923, NO, 0
348, 900, 0.0923, NO, 0, 347, 900, 0.0923, NO, 0
346, 900, 0.0923, NO, 0, 345, 900, 0.0923, NO, 0
344, 900, 0.0923, NO, 0, 343, 900, 0.0923, NO, 0
342, 900, 0.0923, NO, 0, 341, 900, 0.0923, NO, 0
340, 900, 0.0923, NO, 0, 339, 900, 0.0923, NO, 0
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338, 900, 0.0923, NO, 0, 337, 900, 0.0923, NO, 0
336, 900, 0.0923, NO, 0, 335, 900, 0.0923, NO, 0
334, 900, 0.0923, NO, 0, 333, 900, 0.0923, NO, 0
332, 900, 0.0923, NO, 0, 331, 900, 0.0923, NO, 0
330, 900, 0.0923, NO, 0, 329, 900, 0.0923, NO, 0
328, 900, 0.0923, NO, 0, 327, 900, 0.0923, NO, 0
326, 900, 0.0923, NO, 0, 325, 900, 0.0923, NO, 0
324, 900, 0.0923, NO, 0, 323, 900, 0.0923, NO, 0
322, 900, 0.0923, NO, 0, 321, 900, 0.0923, NO, 0
320, 900, 0.0923, NO, 0, 319, 900, 0.0923, NO, 0
318, 900, 0.0923, NO, 0, 317, 900, 0.0923, NO, 0
316, 900, 0.0923, NO, 0, 315, 900, 0.0923, NO, 0
314, 900, 0.0923, NO, 0, 313, 900, 0.0923, NO, 0
•VEHICLE : Vehicles
: if Moving Load Code is China
: NAME=NAME, 1, TYPE-NAME, CODE
standard
: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD]
: user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user:
from line 2
: [TRUCK/LANE] : 1, P, Qm, Qq :
truck(TG)
: [TRUCK/LANE] : 2, P, Qm, Qq : lane
load1
: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 : lane
load2
: [TRUCK/LANE] : 4, dW, dD :
crawler type
: [TRUCK/LANE] : 5 : GC
type load
: [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 :
train-type1,3
: [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT :
train-type2
: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR :
subway
: [CROWD] : 1, dW1 :
crowd-type1
: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH :
crowd-type2
: if Moving Load Type is India

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: NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7] :
standard (LM1, FLM1)
: NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN :
standard (others)
: NAME=NAME, 2, 1, [AF7] :
user(Type 1)
: [LOAD7], D, PHI, TPSY, UPSY :
user(Type 1): line 2
: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... :
user(Type 2)
: NAME=NAME, 2, 3 :
user(Type 3)
: [LOADCASE1] :
user(Type 3): line 2
: [LOADCASE2] :
user(Type 3): line 3
: [LOADCASE3] :
user(Type 3): line 4
: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... :
user(Type 4)
: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 :
user(Type 5)
: [VEHICLE1] :
user(Type 5): line 2
: [VEHICLE2] :
user(Type 5): line 3
: [VEHICLE3] :
user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 :
adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 :
tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... : load
case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ... : vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (SK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (SK FATIGUE)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL

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: NAME=NAME, 1, TYPE-NAME, CODE :
standard
: NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST :
user: line 1
: NAME=NAME, 2, bWTB, dD1, dD2, NDIST :
user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user:
from line 2
: if Moving Load Code is CANADA
: NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA] :
standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] :
user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user:
from line 2
: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE :
Dynamic Load Allowance
: if Moving Load Code is BS
: NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM :
standard
: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4, ADDDATA, AL, CA, LL :
: HA, HA & HB, HA & HB(Auto)
: NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM :
user(BS 5400)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF] :
user(HA)
: NAME=NAME, 2, iSTYPE, [BS-DATA-HB] :
user(HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] :
user(HA&HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] :
user(HA&HB(AUTO))
: NAME=NAME, 2, iSTYPE, W, L :
user(Pedestrian)
: NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... :
user(Special Vehicle)
: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
: if Moving Load Code is EUROCODE

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: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] :
standard (AK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: standard (N14)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: standard (N11)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: standard (SUBWAY TRAINS)
: NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: standard (TRAMCARS)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (NK-80)
: NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (NG-60)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC
: standard (UNIFORM LOAD)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC
: standard (UNIFORM LOAD(W/O OTHER LOADS))
: NAME=NAME, 1, iTYPE, BRIDGETYPE, P
: standard (CONCENTRATED LOAD (W/O OTHER LOADS))
: NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] :
user (Type 1)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: user (Type 2)
: NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: user (Type 3)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT

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