

a. 상부구조

1) 종방향

*UNIT : Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN, M, KCAL, C
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300

*NODE : Nodes
; INO, X, Y, Z

1, 0, 0, 0
2, 2.5, 0, 0
3, 5, 0, 0
4, 7.5, 0, 0
5, 10, 0, 0
6, 12.5, 0, 0
7, 15, 0, 0
8, 17.5, 0, 0
9, 20, 0, 0
10, 22.5, 0, 0
11, 25, 0, 0
12, 27.5, 0, 0
13, 30, 0, 0
14, 32.5, 0, 0
15, 35, 0, 0
16, 37.5, 0, 0
17, 40, 0, 0
18, 42.5, 0, 0
19, 45, 0, 0
20, 47.5, 0, 0
21, 50, 0, 0
22, 52.5, 0, 0
23, 55, 0, 0
24, 57.5, 0, 0
25, 60, 0, 0
26, 62.5, 0, 0
27, 65, 0, 0
28, 67.5, 0, 0
29, 70, 0, 0
30, 72.5, 0, 0
31, 75, 0, 0
32, 77.5, 0, 0
33, 80, 0, 0
34, 82.5, 0, 0
35, 85, 0, 0
36, 87.5, 0, 0
37, 90, 0, 0
38, 92.5, 0, 0
39, 95, 0, 0
40, 97.5, 0, 0
41, 100, 0, 0
42, 102.5, 0, 0
43, 105, 0, 0
44, 107.5, 0, 0
45, 110, 0, 0
46, 112.5, 0, 0
47, 115, 0, 0
48, 117.5, 0, 0
49, 120, 0, 0
50, 122.5, 0, 0
51, 125, 0, 0
52, 127.5, 0, 0
53, 130, 0, 0
54, 132.5, 0, 0
55, 135, 0, 0
56, 137.5, 0, 0
57, 140, 0, 0
58, 142.5, 0, 0

59, 145, 0, 0
60, 147.5, 0, 0
61, 150, 0, 0
62, 152.5, 0, 0
63, 155, 0, 0
64, 157.5, 0, 0
65, 160, 0, 0
66, 162.5, 0, 0
385, 960, 0, 0
386, 962.5, 0, 0
387, 965, 0, 0
388, 967.5, 0, 0
389, 970, 0, 0
390, 972.5, 0, 0
391, 982.5, 0, 0
392, 992.5, 0, 0
393, 997.5, 0, 0
394, 1007.5, 0, 0
395, 1017.5, 0, 0
396, 1022.5, 0, 0
397, 1025, 0, 0
398, 0, 0, -1
399, 2.5, 0, -1
400, 5, 0, -1
401, 7.5, 0, -1
402, 10, 0, -1
403, 12.5, 0, -1
404, 15, 0, -1
405, 17.5, 0, -1
406, 20, 0, -1
407, 22.5, 0, -1
408, 25, 0, -1
409, 27.5, 0, -1
410, 30, 0, -1
411, 32.5, 0, -1
412, 35, 0, -1
413, 37.5, 0, -1
414, 40, 0, -1
415, 42.5, 0, -1
416, 45, 0, -1
417, 47.5, 0, -1
418, 50, 0, -1
419, 52.5, 0, -1
420, 55, 0, -1
421, 57.5, 0, -1
422, 60, 0, -1
423, 62.5, 0, -1
424, 65, 0, -1
425, 67.5, 0, -1
426, 70, 0, -1
427, 72.5, 0, -1
428, 75, 0, -1
429, 77.5, 0, -1
430, 80, 0, -1
431, 82.5, 0, -1
782, 960, 0, -1
783, 962.5, 0, -1
784, 965, 0, -1
785, 967.5, 0, -1
786, 970, 0, -1
787, 972.5, 0, -1
788, 982.5, 0, -1
789, 992.5, 0, -1
790, 997.5, 0, -1
791, 1007.5, 0, -1
792, 1017.5, 0, -1
793, 1022.5, 0, -1
794, 1025, 0, -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
; : 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, 1, 2, 0
2, BEAM, 1, 1, 2, 3, 0
3, BEAM, 1, 1, 3, 4, 0
4, BEAM, 1, 1, 3, 5, 0
5, BEAM, 1, 1, 5, 6, 0
6, BEAM, 1, 1, 6, 7, 0
7, BEAM, 1, 1, 7, 8, 0
8, BEAM, 1, 1, 8, 9, 0
9, BEAM, 1, 1, 9, 10, 0
10, BEAM, 1, 1, 10, 11, 0
11, BEAM, 1, 1, 11, 12, 0
12, BEAM, 1, 1, 12, 13, 0
13, BEAM, 1, 1, 13, 14, 0
14, BEAM, 1, 1, 14, 15, 0
15, BEAM, 1, 1, 15, 16, 0
16, BEAM, 1, 1, 16, 17, 0
17, BEAM, 1, 1, 17, 18, 0
18, BEAM, 2, 3, 18, 19, 0
19, BEAM, 2, 3, 19, 20, 0
20, BEAM, 2, 3, 20, 21, 0
21, BEAM, 2, 3, 21, 22, 0
22, BEAM, 2, 10, 22, 23, 0
23, BEAM, 2, 10, 23, 24, 0
24, BEAM, 2, 10, 24, 25, 0
25, BEAM, 2, 10, 25, 26, 0
26, BEAM, 2, 10, 26, 27, 0
27, BEAM, 2, 10, 27, 28, 0
28, BEAM, 2, 10, 28, 29, 0
29, BEAM, 2, 10, 29, 30, 0
30, BEAM, 2, 5, 30, 31, 0
31, BEAM, 2, 5, 31, 32, 0
32, BEAM, 2, 5, 32, 33, 0
33, BEAM, 2, 5, 33, 34, 0
34, BEAM, 2, 7, 34, 35, 0
35, BEAM, 2, 7, 35, 36, 0
36, BEAM, 2, 7, 36, 37, 0
37, BEAM, 2, 7, 37, 38, 0
38, BEAM, 2, 12, 38, 39, 0
39, BEAM, 2, 12, 39, 40, 0
40, BEAM, 2, 12, 40, 41, 0
41, BEAM, 2, 12, 41, 42, 0
42, BEAM, 2, 12, 42, 43, 0
43, BEAM, 2, 12, 43, 44, 0
44, BEAM, 2, 12, 44, 45, 0
45, BEAM, 2, 12, 45, 46, 0
46, BEAM, 2, 12, 46, 47, 0
47, BEAM, 2, 12, 47, 48, 0
48, BEAM, 2, 12, 48, 49, 0
49, BEAM, 2, 12, 49, 50, 0
50, BEAM, 2, 7, 50, 51, 0
51, BEAM, 2, 7, 51, 52, 0
52, BEAM, 2, 7, 52, 53, 0
53, BEAM, 2, 7, 53, 54, 0
291, BEAM, 2, 13, 291, 292, 0
292, BEAM, 2, 13, 292, 293, 0
293, BEAM, 2, 13, 293, 294, 0
294, BEAM, 2, 8, 294, 295, 0
295, BEAM, 2, 8, 295, 296, 0
296, BEAM, 2, 8, 296, 297, 0
297, BEAM, 2, 8, 297, 298, 0
298, BEAM, 2, 9, 298, 299, 0
299, BEAM, 2, 9, 299, 300, 0
300, BEAM, 2, 9, 300, 301, 0
301, BEAM, 2, 9, 301, 302, 0
302, BEAM, 2, 14, 302, 303, 0
303, BEAM, 2, 14, 303, 304, 0

304, BEAM, 2, 14, 304, 305, 0
305, BEAM, 2, 14, 305, 306, 0
306, BEAM, 2, 14, 306, 307, 0
307, BEAM, 2, 14, 307, 308, 0
308, BEAM, 2, 14, 308, 309, 0
309, BEAM, 2, 14, 309, 310, 0
310, BEAM, 2, 14, 310, 311, 0
311, BEAM, 2, 14, 311, 312, 0
312, BEAM, 2, 14, 312, 313, 0
313, BEAM, 2, 14, 313, 314, 0
314, BEAM, 2, 14, 314, 315, 0
315, BEAM, 2, 14, 315, 316, 0
316, BEAM, 2, 14, 316, 317, 0
317, BEAM, 2, 14, 317, 318, 0
318, BEAM, 2, 9, 318, 319, 0
319, BEAM, 2, 9, 319, 320, 0
320, BEAM, 2, 9, 320, 321, 0
321, BEAM, 2, 9, 321, 322, 0
322, BEAM, 2, 9, 322, 323, 0
323, BEAM, 2, 9, 323, 324, 0
324, BEAM, 2, 9, 324, 325, 0
325, BEAM, 2, 9, 325, 326, 0
326, BEAM, 2, 14, 326, 327, 0
327, BEAM, 2, 14, 327, 328, 0
328, BEAM, 2, 14, 328, 329, 0
329, BEAM, 2, 14, 329, 330, 0
330, BEAM, 2, 14, 330, 331, 0
331, BEAM, 2, 14, 331, 332, 0
332, BEAM, 2, 14, 332, 333, 0
333, BEAM, 2, 14, 333, 334, 0
379, BEAM, 2, 11, 379, 380, 0
380, BEAM, 2, 11, 380, 381, 0
381, BEAM, 2, 11, 381, 382, 0
382, BEAM, 2, 11, 382, 383, 0
383, BEAM, 2, 11, 383, 384, 0
384, BEAM, 2, 11, 384, 385, 0
385, BEAM, 2, 11, 385, 386, 0
386, BEAM, 2, 4, 386, 387, 0
387, BEAM, 2, 4, 387, 388, 0
388, BEAM, 2, 4, 388, 389, 0
389, BEAM, 2, 4, 389, 390, 0

*GROUP : Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
Nose, 1to18 398to415, 1to17, 0
Segment1, 18to23 415to420, 18to22, 0
Segment2, 23to29 420to426, 23to28, 0
Segment3, 29to39 426to436, 29to38, 0
Segment4, 39to49 436to446, 39to48, 0
Segment5, 49to59 446to456, 49to58, 0
Segment6, 59to69 456to466, 59to68, 0
Segment7, 69to79 466to476, 69to78, 0
Segment8, 79to89 476to486, 79to88, 0
Segment9, 89to99 486to496, 89to98, 0
Segment10, 99to109 496to506, 99to108, 0
Segment11, 109to119 506to516, 109to118, 0
Segment12, 119to129 516to526, 119to128, 0
Segment13, 129to139 526to536, 129to138, 0
Segment14, 139to149 536to546, 139to148, 0
Segment15, 149to159 546to556, 149to158, 0
Segment16, 159to169 556to566, 159to168, 0
Segment17, 169to179 566to576, 169to178, 0
Segment18, 179to189 576to586, 179to188, 0
Segment19, 189to199 586to596, 189to198, 0
Segment20, 199to209 596to606, 199to208, 0
Segment21, 209to219 606to616, 209to218, 0
Segment22, 219to229 616to626, 219to228, 0
Segment23, 229to239 626to636, 229to238, 0
Segment24, 239to249 636to646, 239to248, 0
Segment25, 249to260 646to657, 249to259, 0
Segment26, 260to271 657to668, 260to270, 0
Segment27, 271to282 668to679, 271to281, 0
Segment28, 282to292 679to689, 282to291, 0

Segment29 , 292to302 689to699, 292to301, 0
Segment30 , 302to310 699to707, 302to309, 0
Segment31 , 310to318 707to715, 310to317, 0
Segment32 , 318to326 715to723, 318to325, 0
Segment33 , 326to334 723to731, 326to333, 0
Segment34 , 334to342 731to739, 334to341, 0
Segment35 , 342to350 739to747, 342to349, 0
Segment36 , 350to358 747to755, 350to357, 0
Segment37 , 358to367 755to764, 358to366, 0
Segment38 , 367to376 764to773, 367to375, 0
Segment39 , 376to385 773to782, 376to384, 0
Segment40 , 385to390 782to787, 385to389, 0
BridgeGirder , , 18to389, 0

*BNDR-GROUP : Boundary Group
; NAME

Final

Temporary

CS1-Dfm0

CS1-Org0

CS1-Dfm1

CS1-Org1

CS1-Dfm2

CS1-Org2

CS1-Dfm3

CS1-Org3

CS1-Dfm4

CS1-Org4

CS1-Dfm5

CS2-Dfm0

CS2-Org0

CS2-Dfm1

CS2-Org1

CS2-Dfm2

CS2-Org2

CS2-Dfm3

CS2-Org3

CS3-Dfm0

CS3-Org0

CS3-Dfm1

CS3-Org1

CS3-Dfm2

CS3-Org2

CS3-Dfm3

CS3-Org3

CS3-Dfm4

CS3-Org4

CS3-Dfm5

CS3-Org5

CS4-Dfm0

CS4-Org0

CS4-Dfm1

CS4-Org1

CS4-Dfm2

CS4-Org2

CS4-Dfm3

CS4-Org3

CS4-Dfm4

CS35-Org2

CS35-Dfm3

CS35-Org3

CS35-Dfm4

CS35-Org4

CS36-Dfm0

CS36-Org0

CS36-Dfm1

CS38-Dfm0

CS38-Org0

CS38-Dfm1

CS38-Org1

CS38-Dfm2

CS38-Org2

CS38-Dfm3

CS38-Org3

CS38-Dfm4

CS38-Org4

CS38-Dfm5

CS38-Org5

CS38-Dfm6

CS38-Org6

CS38-Dfm7P

CS38-Org7P

CS38-Org7

CS38-Dfm8

CS38-Org8

CS38-Dfm9

CS38-Org9

CS39-Dfm0

CS39-Org0

CS39-Dfm1

CS39-Org1

CS39-Dfm2

CS40-Org9

CS40-Dfm10

CS40-Org10

CS40-Dfm11

CS40-Org11

CS40-Dfm12

CS40-Org12

CS40-Dfm13

CS40-Org13

CS40-Dfm14

CS40-Org14

CS40-Dfm15

CS40-Org15

CS41-Org0

CS42-Org0

*LOAD-GROUP : Load Group

; NAME

SelfWeight

CS3-PreStress1

CS3-PreStress2

CS3-PreStress3

CS3-PreStress4

CS3-PreStress5

CS3-PreStress6

CS3-PreStress7

CS3-PreStress8

CS3-PreStress9

CS3-PreStress10

CS3-PreStress11

CS3-PreStress12

CS3-PreStress13

CS3-PreStress14

CS3-PreStress15

CS3-PreStress16

CS3-PreStress17

CS3-PreStress18

CS3-PreStress19

CS3-PreStress20

CS3-PreStress21

CS3-PreStress22

CS3-PreStress23

CS3-PreStress24

CS3-PreStress25

CS3-PreStress26

CS3-PreStress27

CS3-PreStress28

CS3-PreStress29

CS3-PreStress30

CS3-PreStress31

CS3-PreStress32

CS3-PreStress33

CS38-PreStress34

TB-PreStress35

TB-PreStress36

TB-PreStress37

TB-PreStress38

TB-PreStress39

TB-PreStress40

Web-PreStress

Diaphragm1

Diaphragm2

Diaphragm3

2nd

*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 : Orthotropic

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

THERMAL, DEN, MASS

1,STEEL, SM400, 0, 0, C, NO, 0.02, 1, KS-Civil(S), SM400

2,CONC, C400, 0, 0, C, NO, 0.05, 1, KS-Civil(RC), C400

3, USER, Tendon, 0, 0, C, NO, 0, 2, 1.9613e+8, 0,

0.0e+0, 0, 0

*TDM-TYPE : Time Dependent Material

; NAME=NAME, CODE, STR, HU, VOL, AGE, CFACTA,

CFACTB, TYPE, [ACI1 or ACI2] : CODE=ACI

; NAME=NAME, CODE, STR, HU, MSIZE, CTYPE, AGE

; CODE=CEB1990,KS,CEB1978,KSCE 2010,KCI-USD12

; NAME=NAME, CODE, NI, PHI1, N2, PHI2

; CODE=MEM

; NAME=NAME, CODE, STR, HU, USS, UCS, VOL, RR,

MOD : CODE=PCA

; NAME=NAME, CODE, STR, HU, VOL, UCS, VSR1, LAF,

US, VSR, PST, bRCE, RR, MOD : CODE=COMBINED

; NAME=NAME, CODE, STR, HTYPE, HU, MSIZE, CTYPE,

AGE, CM : CODE=JAPAN

; NAME=NAME, CODE, ELAST, HU, VOL, CC, WC, AGE

; CODE=USCE

; NAME=NAME, CODE, STR, HTYPE, HU, MSIZE, AGE

; CODE=CHINA

; NAME=NAME, CODE, STR, HU, MSIZE, BSC, AGE

; CODE=JTG

; NAME=NAME, CODE, STR, HU, VSR, AGE, bEXPOSE

; CODE=AASHTO

; NAME=NAME, CODE, STR, HU, MSIZE, AGE

; CODE=INDIA(IRC:18-2000)

; NAME=NAME, CODE, STR, HU, MSIZE, CTYPE, AGE,

TCode, bSILICA : CODE=European

; NAME=NAME, CODE, bSSF, SSFNAME

; CODE=USER(line1)

; CREEPFUNC1, AGE1, CREEPFUNC2, AGE2, ...

; USER(from line 2)

; [ACI1] : CURE, SLUMP, FAP, AIR, CC

; [ACI2] : UCC, USS

NAME=C400, CEB, 39226.6, 70, 0.01, NR, 3

*TDM-ELAST : Time Dependent Material(Comp. Strength)

; NAME=NAME, TYPE, CODE, STRENGTH, A, B

; TYPE=CODE(Korean Standard, ACI)

; NAME=NAME, TYPE, CODE, STRENGTH, ICTYPE

; TYPE=CODE(CEB-FIP, Ohzagi)

; NAME=NAME, TYPE, CODE, STRENGTH

; TYPE=CODE(Chinese Standard)

; NAME=NAME, TYPE, CODE, STRENGTH, bUSE, [DATA]

; TYPE=CODE(Japan(Hydration))

; NAME=NAME, TYPE, CODE, STRENGTH, ITYPE

; TYPE=CODE(Japan(Elastic))

; NAME=NAME, TYPE, CODE, STRENGTH

; TYPE=CODE(INDIA(IRC:18-2000))

; NAME=NAME, TYPE, CODE, STRENGTH, ICTYPE

; TYPE=CODE(European)

; NAME=NAME, TYPE, CODE, STRENGTH,

; TYPE=CODE(CEB-FIP(1978))

; NAME=NAME, TYPE, SCALE

; TYPE=USER(line 1)

; DAY1, COMP1, TENS1, ELAST1, DAY2, COMP2, ... ;

; USER(from line 2)

; [DATA] : A, B, D, TSF or ICTYPE, TSF

NAME=C400, CODE, CEB-FIP, 39226.6, 2

*TDM-LINK : Time Dependent Material Link

; IMAT, TDM-TYPE1(CREEP/SHRINKAGE),

TDM-TYPE2(ELASTICITY)

2, C400, C400

*ELEM-DEPMATL : Change Element Dependent Material

Property

; ELEM_LIST, TYPE, H(VS)

18to389, NSM, 0.479658

*SECTION : Section

; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],

[DATA2] : 1st line - DB/USER

; ISEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE, ELAST,

DEN, POIS, POIC, SF : 1st line - SRC

; D1, D2, [SRC]

; 2nd line

; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,

NAME1, NAME2, D1, D2 : 1st line - COMBINED

; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,

D12, D13, D14, D15, D21, D22, D23, D24

; ISEC, TYPE, SNAME, [OFFSET], bSD, 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,

[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,

[illegible]

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; 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,
PERL_OUT1, PERL_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,
PERL_OUT2, PERL_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
; 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, Psb
; 7th line
; ISEC, TYPE, SNAME, [OFFSET], bSD, 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
; [SIZE-A]
; 5th line
; [SIZE-B]
; 6th line
; [SIZE-C]
; 7th line
; [SIZE-D]
; 8th 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,

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VUSER
; [OFFSET2]: OFFSET, ICENT, IREF, IHORZ, HUSERI,
HUSERJ, IVERT, VUSERI, VUSERJ
; [JOINT] : 8(ICELL, 2CELL, 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(ICELL, 2CELL, 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(ICELL, 2CELL, 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(ICELL, 2CELL, 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(ICELL, 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, TAPERED Nose, CB, 1, 0, 0, 0, 0,
0, 0, 0, YES, H, 1, 1, USER
; [STIFF] : 1.5, 0.8, 0.04, 0.03, 0.8, 0.03, 0, 0, 3.5, 1.6,
0.04, 0.03, 1.6, 0.03, 0, 0
; 2, PSC, Girder, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 3, PSC, ES-EBS-40, CB, 1, 0, 0, 0, 0,
0, 0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 4, PSC, ES-EBS-50, CB, 1, 0, 0, 0, 0,
0, 0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 5, PSC, IS-EBS-40, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 6, PSC, IS-EBS-50, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 7, PSC, IS-EBS-50, CB, 1, 0, 0, 0, 0,

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0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 8, PSC, IS-IBS-55, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 9, PSC, IS-IBS-60, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 10, PSC, T-EBS-40, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 11, PSC, T-EBS-50, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 12, PSC, T-IBS-50, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 13, PSC, T-IBS-55, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,
YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; 14, PSC, T-IBS-60, CB, 1, 0, 0, 0, 0,
0, YES, ICEL
; YES, YES, YES, YES, YES, YES, YES, YES, YES, NO
; YES, YES, 2.799, YES, 0.764, YES, 0, YES, 0,

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YES, 0, YES, 0, 0.2, YES, NO
; NO, NO, . . . . .
0.2, 0.544, 0.05, 0.25, 2.756, 0.65
2.929, 1.45, 2.85, 0.572, 0, 2.8
0.28, 0.422, 0, 0.165, 2.035, 0.492, 0.364, 0, 0, 0.4
2.8, 1.1, 2.571, 2.8, 2.381, 0, 1.781, 0
; *TS-GROUP : Tapered Section Group
; NAME, ELEM_LIST, ZVAR, ZEXP, ZFROM, ZDIST, YVAR,
YEXP, YFROM, YDIST, ISCM
; TaperedNose, Ito17, LINEAR, . . . LINEAR, . . . 0
; *TDN-PROPERTY : Tendon Property
; NAME, TYPE, MATL, AREA, DIA, RM, RC, FF, WF, US,
YS, LT, ASB, ASE, bBONDED, ALPHA, W
; bOSRF, FT, FPK, ACHANGE, bRELAX
; TT12, INTERNAL, 3, 0.00118452, 0.075, 0, 45, 0.3,
0.0066, 1.86326e+006, 1.56906e+006, POST, 0.006, 0.006,
YES, 0, . . . 0, YES
; BT12, INTERNAL, 3, 0.00118452, 0.075, 0, 45, 0.3,
0.0066, 1.86326e+006, 1.56906e+006, POST, 0.006, 0.006,
YES, 0, . . . 0, YES
; TT7, INTERNAL, 3, 0.00069097, 0.051, 0, 45, 0.3,
0.0066, 1.86326e+006, 1.56906e+006, POST, 0.006, 0.006,
YES, 0, . . . 0, YES
; WT19, INTERNAL, 3, 0.00375098, 0.1146, 0, 45, 0.3,
0.0066, 1.86326e+006, 1.56906e+006, POST, 0.006, 0.006,
YES, 0, . . . 0, YES
; WT24, INTERNAL, 3, 0.00473808, 0.1414, 0, 45, 0.3,
0.0066, 1.86326e+006, 1.56906e+006, POST, 0.006, 0.006,
YES, 0, . . . 0, YES
; *TDN-PROFILE : Tendon Profile
; NAME=NAME, TDN-PROPERTY, ELEM_LIST, BEGIN, END,
CURVE, INPUT ; line 1
; GROUP, LENGOPT, BLEN, ELEN, bTP, rNUM
; line 2
; SHAPE, IP_X, IP_Y, IP_Z, AXIS, VX, VY
; line 3(Straight)
; SHAPE, IP_X, IP_Y, IP_Z, RC_X, RC_Y, OFFSET, DIR
; line 3(Curve)
; SHAPE, INS_PT, REF_ELEM, AXIS
; line 3(Element)
; XAR_ANGLE, bPROJECTION, GR_AXIS, GR_ANGLE
; line 4(Straight/Curve)
; XAR_ANGLE, bPROJECTION, OFFSET_Y, OFFSET_Z
; line 4(Element)
; X1, Y1, Z1, bFIX1, RY1, RZ1, RADIUS1
; from line 5(3D)
;
; Xn, Yn, Zn, bFIX1, RY1, RZ1, RADIUSn
; Y=X1, Y1, bFIX1, RZ1, RADIUS1, OPT1, ANGLE1,
HGT1, R1 ; from line 5(2D)
; Y=...
; Z=X1, Z1, bFIX1, RZ1, RADIUS1, OPT1, ANGLE1,
HGT1, R1
; Z=...
; NAME=BOT01-01, BT12, 18to28, 0, 0, SPLINE, 2D
; USER, 0, 0, NO,
ELEMENT, END-I, 18, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, . . . NO
Y=27.5, 0, NO, 0, 0, NONE, . . . NO
Z=0, 0, NO, 0, 0, NONE, . . . NO
Z=27.5, 0, NO, 0, 0, NONE, . . . NO
; NAME=BOT01-02, BT12, 29to48, 0, 0, SPLINE, 2D
; USER, 0, 0, NO,
ELEMENT, END-I, 29, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, . . . NO
Y=50, 0, NO, 0, 0, NONE, . . . NO
Z=0, 0, NO, 0, 0, NONE, . . . NO
Z=50, 0, NO, 0, 0, NONE, . . . NO
; NAME=BOT01-03, BT12, 49to68, 0, 0, SPLINE, 2D
; USER, 0, 0, NO,
ELEMENT, END-I, 49, I-J

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0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-04, BT12, 69to88, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 69, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-05, BT12, 89to108, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 89, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-06, BT12, 109to128, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 109, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-07, BT12, 129to148, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 129, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-08, BT12, 149to168, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 149, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-09, BT12, 169to188, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 169, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=BOT01-10, BT12, 189to208, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 189, I-J
0, YES, -1.725, 0.201
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=TOP01-01, TT7, 18to22, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 18, I-J
0, YES, -4.34, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=12.5, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=12.5, 0, NO, 0, 0, NONE, , , NO
NAME=TOP01-02, TT7, 23to38, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 23, I-J
0, YES, -4.34, 3.336
```

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Y=0, 0, NO, 0, 0, NONE, , , NO
Y=40, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=40, 0, NO, 0, 0, NONE, , , NO
NAME=TOP01-03, TT7, 39to58, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 39, I-J
0, YES, -4.34, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=TOP02-03, TT12, 49to68, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 49, I-J
0, YES, -4.11, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=50, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=50, 0, NO, 0, 0, NONE, , , NO
NAME=TOP02-13, TT12, 249to270, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 249, I-J
0, YES, -4.11, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=55, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=55, 0, NO, 0, 0, NONE, , , NO
NAME=TOP02-14, TT12, 271to291, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 271, I-J
0, YES, -4.11, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=52.5, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=52.5, 0, NO, 0, 0, NONE, , , NO
NAME=TOP02-15, TT12, 292to309, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 292, I-J
0, YES, -4.11, 3.336
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=45, 0, NO, 0, 0, NONE, , , NO
Z=0, 0, NO, 0, 0, NONE, , , NO
Z=45, 0, NO, 0, 0, NONE, , , NO
NAME=WEB6-32, WT24, 341to350, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 341, I-J
-15.154, YES, 2.399, 0
Y=0.5, 0, NO, 0, 0, NONE, , , NO
Y=6.5, 0, NO, 0, 0, NONE, , , NO
Y=12.5, 0, NO, 0, 0, NONE, , , NO
Y=18.5, 0, NO, 0, 0, NONE, , , NO
Y=24.5, 0, NO, 0, 0, NONE, , , NO
Z=0.5, 1.46045, NO, 0, 0, NONE, , , NO
Z=6.5, 2.4408, NO, 0, 0, NONE, , , NO
Z=12.5, 3.001, NO, 0, 0, NONE, , , NO
Z=18.5, 2.4408, NO, 0, 0, NONE, , , NO
Z=24.5, 1.46045, NO, 0, 0, NONE, , , NO
NAME=WEB6-33, WT24, 350to365, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 350, I-J
-15.154, YES, 2.399, 0
Y=2, 0, NO, 0, 0, NONE, , , NO
Y=20, 0, NO, 0, 0, NONE, , , NO
Y=38, 0, NO, 0, 0, NONE, , , NO
Z=2, 1.46045, NO, 0, 0, NONE, , , NO
Z=20, 0.2, NO, 0, 0, NONE, , , NO
Z=38, 1.46045, NO, 0, 0, NONE, , , NO
NAME=WEB6-34, WT24, 365to373, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 365, I-J
-15.154, YES, 2.399, 0
Y=0.5, 0, NO, 0, 0, NONE, , , NO
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Y=6.5, 0, NO, 0, 0, NONE, , , NO
Y=12.5, 0, NO, 0, 0, NONE, , , NO
Y=17.5, 0, NO, 0, 0, NONE, , , NO
Y=22.5, 0, NO, 0, 0, NONE, , , NO
Z=0.5, 1.46045, NO, 0, 0, NONE, , , NO
Z=6.5, 2.4408, NO, 0, 0, NONE, , , NO
Z=12.5, 3.001, NO, 0, 0, NONE, , , NO
Z=17.5, 2.4408, NO, 0, 0, NONE, , , NO
Z=22.5, 1.57447, NO, 0, 0, NONE, , , NO
NAME=WEB6-35, WT24, 374to389, 0, 0, SPLINE, 2D
, USER, 0, 0, NO,
ELEMENT, END-I, 374, I-J
-15.154, YES, 2.399, 0
Y=0, 0, NO, 0, 0, NONE, , , NO
Y=15, 0, NO, 0, 0, NONE, , , NO
Y=40, 0, NO, 0, 0, NONE, , , NO
Z=0, 1.57447, NO, 0, 0, NONE, , , NO
Z=15, 0.2, NO, 0, 0, NONE, , , NO
Z=40, 1.821, NO, 0, 0, NONE, , , NO
*STLDCASE : Static Load Cases
; LNAME, LCTYPE, DESC
SelfWeight, CS, "Construction Stage, Self Weight"
Prestress, CS, "Construction Stage, Tendon Prestress"
2nd , CS
TG+ , TPG,
TG- , TPG,
Temp+, T ,
Temp-, T ,
W+ , W ,
W- , W ,
*CONSTRAINT : Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
774 778 780, 111111, CS39-Dfm7
766 770 772, 111111, CS38-Dfm8
758 762 764, 111111, CS37-Dfm9
705 709 711, 715, 111111, CS31-Dfm2P
390, 011100, CS40-Dfm15
389, 100000, CS40-Dfm14
383, 100000, CS40-Dfm8
381 385 387, 010100, CS40-Org2
367, 100000, CS39-Dfm1
359, 100000, CS38-Dfm2
351, 100000, CS37-Dfm3
348, 100000, CS36-Dfm4
328 332 334, 338 342, 010100, CS34-Org0
322 326 328, 332, 010100, CS33-Org1
316 320 322, 326, 010100, CS32-Org2
310 314 316, 010100, CS31-Org3
304 308 310, 010100, CS30-Org4
288, 100000, CS29-Dfm3
280, 100000, CS28-Dfm4
266, 100000, CS27-Dfm5
256, 100000, CS26-Dfm6
246, 100000, CS25-Dfm7
213 217 219, 223 227 229, 010100, CS22-Org0
205 209 211, 215 219, 010100, CS21-Org1
197 201 203, 207, 010100, CS20-Org2
181, 100000, CS19-Dfm1
173, 100000, CS18-Dfm2
165, 100000, CS17-Dfm3
157, 100000, CS16-Dfm4
149, 100000, CS15-Dfm5
133 137 139, 143 147 149, 010100, CS14-Org0
125 129 131, 135 139, 010100, CS13-Org1
117 121 123, 127, 010100, CS12-Org2
109 113 115, 119, 010100, CS11-Org3
101 105 107, 010100, CS10-Org4
87, 100000, CS9-Dfm4
79, 100000, CS8-Dfm5
20to160by20 182 204to276by24 296, 011100, CS30-Org2
```

```
19 41to113by24 133, 011100, CS14-Org2
18 34to254by20 276 298to370by24 390, 011100, CS40-Org15
17to77by20 99 121to193by24 213, 011100, CS22-Org2
17to89by24 109, 011100, CS11-Org5
13to93by20 115 137to209by24 229, 011100, CS24-Org0
13 35 57to129by24 149, 011100, CS16-Org0
12to172by20 194 216to288by24 308, 011100, CS32-Org0
11 33to105by24 125, 011100, CS13-Org3
9to69by20 91 113to185by24 205, 011100, CS21-Org3
8, 011100, CS1-Org0
7 23to243by20 265 287to359by24 379, 011100, CS40-Org4
6to166by20 188 210to282by24 302, 011100, CS31-Org1
5to85by20 107 129to201by24 221, 011100, CS23-Org1
5 27 49to121by24 141, 011100, CS15-Org1
3 25to97by24 117, 011100, CS12-Org4
1to61by20 83 105to177by24 197, 011100, CS20-Org4
775 779 781, 111111, CS39-Dfm8
767 771 773, 111111, CS38-Dfm9
391to397, 010100, Final
384, 100000, CS40-Dfm9
382 386 388, 010100, CS40-Org3
368, 100000, CS39-Dfm2
360, 100000, CS38-Dfm3
352, 100000, CS37-Dfm4
336 340 342 346 350, 010100, CS35-Org0
330 334 336 340, 010100, CS34-Org1
324 328 330 334, 010100, CS33-Org2
318 322 324, 010100, CS32-Org3
312 316 318, 010100, CS31-Org4
290, 100000, CS29-Dfm4
282, 100000, CS28-Dfm5
267, 100000, CS27-Dfm6
257, 100000, CS26-Dfm7
247, 100000, CS25-Dfm8
223 227 229 233 237 239, 010100, CS23-Org0
215 219 221 225 229, 010100, CS22-Org1
207 211 213 217, 010100, CS21-Org2
199 203 205 209, 010100, CS20-Org3
183, 100000, CS19-Dfm2
175, 100000, CS18-Dfm3
167, 100000, CS17-Dfm4
159, 100000, CS16-Dfm5
143 147 149 153 157 159, 010100, CS15-Org0
135 139 141 145 149, 010100, CS14-Org1
127 131 133 137, 010100, CS13-Org2
119 123 125 129, 010100, CS12-Org3
111 115 117, 010100, CS11-Org4
103 107 109, 010100, CS10-Org5
89, 100000, CS9-Dfm5
21 43to115by24 135, 011100, CS14-Org3
20to180by20 202 224to296by24 316, 011100, CS33-Org0
19to79by20 101 123to195by24 215, 011100, CS22-Org3
15to95by20 117 139to211by24 231, 011100, CS24-Org1
15 37 59to131by24 151, 011100, CS16-Org1
14to174by20 196 218to290by24 310, 011100, CS32-Org1
13 35to107by24 127, 011100, CS13-Org4
13, 011100, CS2-Org0
11to71by20 93 115to187by24 207, 011100, CS21-Org4
9, 011100, CS1-Org1
8, 011100, CS40-Org5
8, 011100, CS31-Org2
7to87by20 109 131to203by24 223, 011100, CS23-Org2
7 29 51to123by24 143, 011100, CS15-Org2
5 27to99by24 119, 011100, CS12-Org5
3to103by20 125 147to219by24 239, 011100, CS25-Org0
3to63by20 85 107to179by24 199, 011100, CS20-Org5
3 23 45 67to139by24 159, 011100, CS17-Org0
2to162by20 184 206to278by24 298, 011100, CS30-Org3
```

776 780 782, 111111, CS39-Dfm9	203 207 209, 010100, CS20-Org5	388, 100000, CS40-Dfm13	5, 395, 792, COMP ,	0, 9.80665e+010, YES,
745 749 751 755, 111111, CS36-Dfm2P	187, 100000, CS19-Dfm4	382, 100000, CS40-Dfm7	0.5, 0.5, Temporary	
650 654 656, 111111, CS25-Dfm10	179, 100000, CS18-Dfm5	380 384 386 390, 010100, CS40-Org1	6, 396, 793, COMP ,	0, 9.80665e+010, YES,
383 387 389, 010100, CS40-Org4	163 167 169 173 177 179, 010100, CS17-Org0	366, 100000, CS39-Dfm0	0.5, 0.5, Temporary	
369, 100000, CS39-Dfm3	155 159 161 165 169, 010100, CS16-Org1	358, 100000, CS38-Dfm1	7, 397, 794, COMP ,	0, 9.80665e+010, YES,
361, 100000, CS38-Dfm4	147 151 153 157, 010100, CS15-Org2	350, 100000, CS37-Dfm2	0.5, 0.5, Temporary	
353, 100000, CS37-Dfm5	139 143 145 149, 010100, CS14-Org3	346, 100000, CS36-Dfm3	8, 22, 419, COMP ,	0, 9.80665e+010, YES,
344 348 350 354 358, 010100, CS36-Org0	131 135 137, 010100, CS13-Org4	340, 100000, CS35-Dfm4	0.5, 0.5, CS1-Org0	
338 342 344 348, 010100, CS35-Org1	123 127 129, 010100, CS12-Org5	320 324 326 330 334, 010100, CS33-Org0	9, 18, 415, COMP ,	0, 9.80665e+010, YES,
332 336 338 342, 010100, CS34-Org2	190c99by20 121 143to215by24 235, 011100, CS24-Org3	314 318 320 324, 010100, CS32-Org1	0.5, 0.5, CS1-Org0	
326 330 332, 010100, CS33-Org3	19 41 63to135by24 155, 011100, CS16-Org3	302 306 308, 010100, CS30-Org3	10, 16, 413, COMP ,	0, 9.80665e+010, YES,
320 324 326, 010100, CS32-Org4	18to178by20 200 222to294by24 314, 011100, CS40-Org12	286, 100000, CS29-Dfm2	0.5, 0.5, CS1-Org0	
304, 100000, CS31-Dfm2P	15 35 55 77 99to171by24 191, 011100, CS20-Org1	278, 100000, CS28-Dfm3	11, 12, 409, COMP ,	0, 9.80665e+010, YES,
292, 100000, CS29-Dfm5	11to83by24 103, 011100, CS11-Org2	276 280 282, 010100, CS27-Org11	0.5, 0.5, CS1-Org0	
268, 100000, CS27-Dfm7	5 27to99by24 119, 011100, CS13-Org0	265, 100000, CS27-Dfm4	12, 23, 420, COMP ,	0, 9.80665e+010, YES,
258, 100000, CS26-Dfm8	4 20to240by20 262 284to356by24 376, 011100, CS40-Org1	255, 100000, CS26-Dfm5	0.5, 0.5, CS1-Org1	
248, 100000, CS25-Dfm9	3to63by20 85 107to179by24 199, 011100, CS21-Org0	254 258 260, 010100, CS25-Org11	13, 19, 416, COMP ,	0, 9.80665e+010, YES,
233 237 239 243 247 249, 010100, CS24-Org0	3to75by24 95, 011100, CS10-Org3	245, 100000, CS25-Dfm6	0.5, 0.5, CS1-Org1	
225 229 231 235 239, 010100, CS23-Org1	772 776 778 782, 111111, CS39-Dfm5	203 207 209 213 217 219, 010100, CS21-Org0	14, 17, 414, COMP ,	0, 9.80665e+010, YES,
217 221 223 227, 010100, CS22-Org2	764 768 770, 111111, CS38-Dfm6	195 199 201 205 209, 010100, CS20-Org1	0.5, 0.5, CS1-Org1	
209 213 215 219, 010100, CS21-Org3	756 760 762, 111111, CS37-Dfm7	194, 111100, CS40-Dfm15	15, 13, 410, COMP ,	0, 9.80665e+010, YES,
201 205 207, 010100, CS20-Org4	671 675 677, 111111, CS27-Dfm9	179, 100000, CS19-Dfm0	0.5, 0.5, CS1-Org1	
185, 100000, CS19-Dfm3	387, 100000, CS40-Dfm12	171, 100000, CS18-Dfm1	16, 20, 417, COMP ,	0, 9.80665e+010, YES,
177, 100000, CS18-Dfm4	381, 100000, CS40-Dfm6	163, 100000, CS17-Dfm2	0.5, 0.5, CS1-Org2	
169, 100000, CS17-Dfm5	379 383 385 389, 010100, CS40-Org0	155, 100000, CS16-Dfm3	17, 18, 415, COMP ,	0, 9.80665e+010, YES,
153 157 159 163 167 169, 010100, CS16-Org0	357, 100000, CS38-Dfm0	147, 100000, CS15-Dfm4	0.5, 0.5, CS1-Org2	
145 149 151 155 159, 010100, CS15-Org1	349, 100000, CS37-Dfm1	139, 100000, CS14-Dfm5	18, 14, 411, COMP ,	0, 9.80665e+010, YES,
137 141 143 147, 010100, CS14-Org2	348 352 354 358, 010100, CS36-Org2P	123 127 129 133 137 139, 010100, CS13-Org0	0.5, 0.5, CS1-Org2	
129 133 135 139, 010100, CS13-Org3	338, 100000, CS35-Dfm3	115 119 121 125 129, 010100, CS12-Org1	19, 21, 418, COMP ,	0, 9.80665e+010, YES,
121 125 127, 010100, CS12-Org4	332, 100000, CS34-Dfm4	107 111 113 117, 010100, CS11-Org2	0.5, 0.5, CS1-Org3	
113 117 119, 010100, CS11-Org5	312 316 318 322 326, 010100, CS32-Org0	99 103 105 109, 010100, CS10-Org3	20, 19, 416, COMP ,	0, 9.80665e+010, YES,
19, 011100, CS3-Org0	306 310 312 316, 010100, CS31-Org1	85, 100000, CS9-Dfm3	0.5, 0.5, CS1-Org3	
17to97by20 119 141to213by24 233, 011100, CS24-Org2	300 304 306 310, 010100, CS30-Org2	77, 100000, CS8-Dfm4	21, 15, 412, COMP ,	0, 9.80665e+010, YES,
16to176by20 198 220to292by24 312, 011100, CS32-Org2	276, 100000, CS28-Dfm2	69, 100000, CS7-Dfm5	0.5, 0.5, CS1-Org3	
15 37to109by24 129, 011100, CS13-Org5	275 279 281, 010100, CS27-Org10	19 39 59 81 103to175by24 195, 011100, CS20-Org3	22, 22, 419, COMP ,	0, 9.80665e+010, YES,
15, 011100, CS2-Org1	254, 100000, CS26-Dfm4	18to158by20 180 202to274by24 294, 011100, CS30-Org1	0.5, 0.5, CS1-Org4	
14to114by20 136 158to230by24 250, 011100, CS26-Org0	253 257 259, 010100, CS25-Org10	17 33to253by20 275 297to369by24 389, 011100, CS40-Org14	1007, 374, 771, COMP ,	0, 9.80665e+010, YES,
13to73by20 95 117to189by24 209, 011100, CS21-Org5	193 197 199 203 207 209, 010100, CS20-Org0	17 39to111by24 131, 011100, CS14-Org1	0.5, 0.5, CS39-Org0	
13 33 55 77to149by24 169, 011100, CS18-Org0	169, 100000, CS18-Dfm0	15to75by20 97 119to191by24 211, 011100, CS22-Org1	1008, 370, 767, COMP ,	0, 9.80665e+010, YES,
10to170by20 192 214to286by24 306, 011100, CS31-Org3	161, 100000, CS17-Dfm1	15to67by24 107, 011100, CS11-Org4	0.5, 0.5, CS39-Org0	
10, 011100, CS1-Org2	153, 100000, CS16-Dfm2	9 31to103by24 123, 011100, CS13-Org2	1053, 388, 785, COMP ,	0, 9.80665e+010, YES,
9 25to245by20 267 289to361by24 381, 011100, CS40-Org6	145, 100000, CS15-Dfm3	7to67by20 89 111to183by24 203, 011100, CS21-Org2	0.5, 0.5, CS40-Org3	
9to89by20 111 133to205by24 225, 011100, CS23-Org3	137, 100000, CS14-Dfm4	7to9by24 99, 011100, CS10-Org5	1054, 386, 783, COMP ,	0, 9.80665e+010, YES,
9 31 53to125by24 145, 011100, CS15-Org3	129, 100000, CS13-Dfm5	6 22to242by20 264 286to358by24 378, 011100, CS40-Org3	0.5, 0.5, CS40-Org3	
8to188by20 210 232to304by24 324, 011100, CS34-Org0	113 117 119 123 127 129, 010100, CS12-Org0	4to164by20 186 208to280by24 300, 011100, CS31-Org0	1055, 382, 779, COMP ,	0, 9.80665e+010, YES,
5 25 47 69to141by24 161, 011100, CS17-Org1	105 109 111 115 119, 010100, CS11-Org1	3to83by20 105 127to199by24 219, 011100, CS23-Org0	0.5, 0.5, CS40-Org4	
4to164by20 186 208to280by24 300, 011100, CS30-Org4	97 101 103 107, 010100, CS10-Org2	3 25 47to119by24 139, 011100, CS15-Org0	1058, 383, 780, COMP ,	0, 9.80665e+010, YES,
4to104by20 126 148to220by24 240, 011100, CS25-Org1	83, 100000, CS9-Dfm2	1 23to95by24 115, 011100, CS12-Org3	0.5, 0.5, CS40-Org4	
2to182by20 204 226to298by24 318, 011100, CS33-Org1	75, 100000, CS8-Dfm3	*ELASTICLINK	1059, 390, 787, COMP ,	0, 9.80665e+010, YES,
1to81by20 103 125to197by24 217, 011100, CS22-Org4	67, 100000, CS7-Dfm4	: INO, INODE1, INODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP	0.5, 0.5, CS40-Org5P	
1 23 45to117by24 137, 011100, CS14-Org4	59, 100000, CS6-Dfm5	: GEN	0.5, 0.5, CS40-Org5P	
651 655 657, 111111, CS25-Dfm11	21to93by24 113, 011100, CS12-Org2	: INO, INODE1, INODE2, LINK, ANGLE, bSHEAR, DRy, DRz, G R O U P	1061, 384, 781, COMP ,	0, 9.80665e+010, YES,
370, 100000, CS39-Dfm4	18 34to174by20 214 234 254 276 298to370by24 390, 011100, CS42-Org0	: RIGID	0.5, 0.5, CS40-Org5P	
362, 100000, CS38-Dfm5	17 37 57 79 101to173by24 193, 011100, CS20-Org2	: INO, INODE1, INODE2, LINK, ANGLE, SDx, bSHEAR, DRy, DRz, GROUP	1062, 389, 786, COMP ,	0, 9.80665e+010, YES,
354, 100000, CS37-Dfm6	16 32to252by20 274 296to368by24 388, 011100, CS40-Org13	: TENS,COMP	0.5, 0.5, CS40-Org6	
352 356 358 362 366, 010100, CS37-Org0	16to156by20 178 200to272by24 292, 011100, CS30-Org0	: INO, INODE1, INODE2, LINK, ANGLE, (UN)SYM, NUM, DIST1, FORCE1 ... DIST10, FORCE10, DIR, bSHEAR, DRENDI, GROUP : MULTI LINEAR	1063, 385, 782, COMP ,	0, 9.80665e+010, YES,
346 350 352 356, 010100, CS36-Org1	15 37to109by24 129, 011100, CS14-Org0	1, 391, 788, COMP ,	0.5, 0.5, CS40-Org6	
340 344 346 350, 010100, CS35-Org2	13to73by20 95 117to189by24 209, 011100, CS22-Org0	0.5, 0.5, Temporary	1064, 390, 787, COMP ,	0, 9.80665e+010, YES,
334 338 340, 010100, CS34-Org3	13to85by24 105, 011100, CS11-Org3	2, 392, 789, COMP ,	0.5, 0.5, CS40-Org7	
288 292 294 298 302, 010100, CS29-Org1P	7 29to101by24 121, 011100, CS13-Org1	0.5, 0.5, Temporary	1065, 386, 783, COMP ,	0, 9.80665e+010, YES,
269, 100000, CS27-Dfm8	5 21to241by20 263 285to357by24 377, 011100, CS40-Org2	3, 393, 790, COMP ,	0.5, 0.5, CS40-Org7	
268 272 274 278 282, 010100, CS27-Org3P	5to65by20 87 109to181by24 201, 011100, CS21-Org1	4, 394, 791, COMP ,	1066, 387, 784, COMP ,	0, 9.80665e+010, YES,
259, 100000, CS26-Dfm9	5to77by24 97, 011100, CS10-Org4	0.5, 0.5, Temporary	0.5, 0.5, CS40-Org8	
243 247 249 253 257 259 260, 010100, CS25-Org0	781 785 787, 111111, CS40-Dfm5P	0.5, 0.5, Temporary	1067, 388, 785, COMP ,	0, 9.80665e+010, YES,
235 239 241 245 249, 010100, CS24-Org1	773 777 779, 111111, CS39-Dfm6	0.5, 0.5, Temporary	0.5, 0.5, CS40-Org9	
227 231 233 237, 010100, CS23-Org2	757 761 763, 111111, CS37-Dfm8	0.5, 0.5, Temporary	1068, 389, 786, COMP ,	0, 9.80665e+010, YES,
219 223 225 229, 010100, CS22-Org3			0.5, 0.5, CS40-Org10	
211 215 217, 010100, CS21-Org4			1069, 390, 787, COMP ,	0, 9.80665e+010, YES,

0.5, 0.5, CS40-0rg11

*USE-STLD, SelfWeight
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1, SelfWeight
*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
18, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-490.774, 0.8, -490.774, 0, 0, 0, 0, Diaphragm1, NO, 0,
0, NO
33, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
34, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-442.898, 0.3, -442.898, 0, 0, 0, 0, Diaphragm2, NO, 0,
0, NO
53, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
54, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-442.898, 0.3, -442.898, 0, 0, 0, 0, Diaphragm2, NO, 0,
0, NO
73, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
74, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-442.898, 0.3, -442.898, 0, 0, 0, 0, Diaphragm2, NO, 0,
0, NO
93, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
345, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
346, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-442.898, 0.3, -442.898, 0, 0, 0, 0, Diaphragm2, NO, 0,
0, NO
369, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.7, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm2, NO,
0, 0, NO
370, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-442.898, 0.3, -442.898, 0, 0, 0, 0, Diaphragm2, NO, 0,
0, NO
389, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . ,
0.2, -442.898, 1, -442.898, 0, 0, 0, 0, Diaphragm3, NO,
0, 0, NO
; End of data for load case [SelfWeight]

TOP01-07, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress13
TOP01-08, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress15
TOP01-09, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress17
TOP01-10, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress19
TOP01-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress21
TOP01-12, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress23
TOP01-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress25
TOP01-14, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress27
TOP01-15, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress29
TOP01-16, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress31
TOP01-17, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress33
TOP01-18, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress35
TOP01-19, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress37
TOP01-20, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress39
TOP01-21, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress40
TOP02-01, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress2
TOP02-02, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress4
TOP02-03, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress6
TOP02-04, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress8
TOP02-05, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress10
TOP02-06, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress12
TOP02-07, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress14
TOP02-08, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress16
WEB2-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB5-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB4-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB3-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB6-11, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB2-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB5-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress

Web-Prestress
WEB1-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB4-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB3-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB6-13, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB2-14, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB5-14, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
WEB1-14, STRESS, BEGIN, 0, 1.30428e+006, 1,
Web-Prestress
; End of data for load case [Prestress]

40, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
41, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
42, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
43, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
44, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
45, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
46, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
47, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
48, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
49, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
50, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
51, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
52, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
53, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
54, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
55, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
56, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
57, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
80, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
81, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
82, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
83, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
84, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
85, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
86, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
87, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0,
-40.8839, 1, -40.8839, 0, 0, 0, 0, 2nd, NO, 0, 0, NO
; End of data for load case [2nd]

*USE-STLD, TG+
*THERGRAD : Temperature Gradient
; ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, TY, bUSEHY, HY,
GROUP
; ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, GROUP
18, 1, 5, YES, 0, 0, YES, 0,
19, 1, 5, YES, 0, 0, YES, 0,
20, 1, 5, YES, 0, 0, YES, 0,
21, 1, 5, YES, 0, 0, YES, 0,
22, 1, 5, YES, 0, 0, YES, 0,
23, 1, 5, YES, 0, 0, YES, 0,
24, 1, 5, YES, 0, 0, YES, 0,
25, 1, 5, YES, 0, 0, YES, 0,
26, 1, 5, YES, 0, 0, YES, 0,
27, 1, 5, YES, 0, 0, YES, 0,
28, 1, 5, YES, 0, 0, YES, 0,
29, 1, 5, YES, 0, 0, YES, 0,
30, 1, 5, YES, 0, 0, YES, 0,
31, 1, 5, YES, 0, 0, YES, 0,
32, 1, 5, YES, 0, 0, YES, 0,
33, 1, 5, YES, 0, 0, YES, 0,
34, 1, 5, YES, 0, 0, YES, 0,
35, 1, 5, YES, 0, 0, YES, 0,
36, 1, 5, YES, 0, 0, YES, 0,
37, 1, 5, YES, 0, 0, YES, 0,
38, 1, 5, YES, 0, 0, YES, 0,
39, 1, 5, YES, 0, 0, YES, 0,
40, 1, 5, YES, 0, 0, YES, 0,
41, 1, 5, YES, 0, 0, YES, 0,
42, 1, 5, YES, 0, 0, YES, 0,
43, 1, 5, YES, 0, 0, YES, 0,
44, 1, 5, YES, 0, 0, YES, 0,
45, 1, 5, YES, 0, 0, YES, 0,
46, 1, 5, YES, 0, 0, YES, 0,
47, 1, 5, YES, 0, 0, YES, 0,
48, 1, 5, YES, 0, 0, YES, 0,
49, 1, 5, YES, 0, 0, YES, 0,
50, 1, 5, YES, 0, 0, YES, 0,
51, 1, 5, YES, 0, 0, YES, 0,
52, 1, 5, YES, 0, 0, YES, 0,
53, 1, 5, YES, 0, 0, YES, 0,
54, 1, 5, YES, 0, 0, YES, 0,
55, 1, 5, YES, 0, 0, YES, 0,
56, 1, 5, YES, 0, 0, YES, 0,
57, 1, 5, YES, 0, 0, YES, 0,
80, 1, 5, YES, 0, 0, YES, 0,
81, 1, 5, YES, 0, 0, YES, 0,
82, 1, 5, YES, 0, 0, YES, 0,
83, 1, 5, YES, 0, 0, YES, 0,
84, 1, 5, YES, 0, 0, YES, 0,
85, 1, 5, YES, 0, 0, YES, 0,
86, 1, 5, YES, 0, 0, YES, 0,
87, 1, 5, YES, 0, 0, YES, 0,
; End of data for load case [2nd]

*TDN-PRESTRESS : Tendon Prestress Loads
; TDN-NAME, FORCE/STRESS, JACKING, BEGIN, END,
IGROUTING, GROUP
TOP01-01, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress1
TOP01-02, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress3
TOP01-03, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress5
TOP01-04, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress7
TOP01-05, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress9
TOP01-06, STRESS, BEGIN, 0, 1.30428e+006, 1,
TB-Prestress11

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32, 1, 5, YES, 0, 0, YES, 0,
33, 1, 5, YES, 0, 0, YES, 0,
34, 1, 5, YES, 0, 0, YES, 0,
35, 1, 5, YES, 0, 0, YES, 0,
36, 1, 5, YES, 0, 0, YES, 0,
37, 1, 5, YES, 0, 0, YES, 0,
38, 1, 5, YES, 0, 0, YES, 0,
39, 1, 5, YES, 0, 0, YES, 0,
40, 1, 5, YES, 0, 0, YES, 0,
41, 1, 5, YES, 0, 0, YES, 0,
42, 1, 5, YES, 0, 0, YES, 0,
43, 1, 5, YES, 0, 0, YES, 0,
44, 1, 5, YES, 0, 0, YES, 0,
45, 1, 5, YES, 0, 0, YES, 0,
46, 1, 5, YES, 0, 0, YES, 0,
227, 1, 5, YES, 0, 0, YES, 0,
228, 1, 5, YES, 0, 0, YES, 0,
229, 1, 5, YES, 0, 0, YES, 0,
230, 1, 5, YES, 0, 0, YES, 0,
231, 1, 5, YES, 0, 0, YES, 0,
232, 1, 5, YES, 0, 0, YES, 0,
233, 1, 5, YES, 0, 0, YES, 0,
234, 1, 5, YES, 0, 0, YES, 0,
235, 1, 5, YES, 0, 0, YES, 0,
236, 1, 5, YES, 0, 0, YES, 0,
237, 1, 5, YES, 0, 0, YES, 0,
238, 1, 5, YES, 0, 0, YES, 0,
239, 1, 5, YES, 0, 0, YES, 0,
240, 1, 5, YES, 0, 0, YES, 0,
241, 1, 5, YES, 0, 0, YES, 0,
242, 1, 5, YES, 0, 0, YES, 0,
243, 1, 5, YES, 0, 0, YES, 0,
244, 1, 5, YES, 0, 0, YES, 0,
245, 1, 5, YES, 0, 0, YES, 0,
246, 1, 5, YES, 0, 0, YES, 0,
247, 1, 5, YES, 0, 0, YES, 0,
248, 1, 5, YES, 0, 0, YES, 0,
249, 1, 5, YES, 0, 0, YES, 0,
250, 1, 5, YES, 0, 0, YES, 0,
251, 1, 5, YES, 0, 0, YES, 0,
252, 1, 5, YES, 0, 0, YES, 0,
253, 1, 5, YES, 0, 0, YES, 0,
254, 1, 5, YES, 0, 0, YES, 0,
255, 1, 5, YES, 0, 0, YES, 0,
256, 1, 5, YES, 0, 0, YES, 0,
257, 1, 5, YES, 0, 0, YES, 0,
258, 1, 5, YES, 0, 0, YES, 0,
; End of data for load case [TG+]
-----
*USE-STLD, TG-
*THERGRAD ; Temperature Gradient
; ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, TY, bUSEHY, HY,
GROUP
; ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, GROUP
18, 1, -5, YES, 0, 0, YES, 0,
19, 1, -5, YES, 0, 0, YES, 0,
20, 1, -5, YES, 0, 0, YES, 0,
21, 1, -5, YES, 0, 0, YES, 0,
22, 1, -5, YES, 0, 0, YES, 0,
23, 1, -5, YES, 0, 0, YES, 0,
24, 1, -5, YES, 0, 0, YES, 0,
25, 1, -5, YES, 0, 0, YES, 0,
26, 1, -5, YES, 0, 0, YES, 0,
27, 1, -5, YES, 0, 0, YES, 0,
28, 1, -5, YES, 0, 0, YES, 0,
29, 1, -5, YES, 0, 0, YES, 0,
30, 1, -5, YES, 0, 0, YES, 0,
31, 1, -5, YES, 0, 0, YES, 0,
32, 1, -5, YES, 0, 0, YES, 0,
33, 1, -5, YES, 0, 0, YES, 0,
34, 1, -5, YES, 0, 0, YES, 0,
35, 1, -5, YES, 0, 0, YES, 0,
36, 1, -5, YES, 0, 0, YES, 0,
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37, 1, -5, YES, 0, 0, YES, 0,
38, 1, -5, YES, 0, 0, YES, 0,
39, 1, -5, YES, 0, 0, YES, 0,
40, 1, -5, YES, 0, 0, YES, 0,
41, 1, -5, YES, 0, 0, YES, 0,
42, 1, -5, YES, 0, 0, YES, 0,
43, 1, -5, YES, 0, 0, YES, 0,
44, 1, -5, YES, 0, 0, YES, 0,
45, 1, -5, YES, 0, 0, YES, 0,
269, 1, -5, YES, 0, 0, YES, 0,
270, 1, -5, YES, 0, 0, YES, 0,
271, 1, -5, YES, 0, 0, YES, 0,
272, 1, -5, YES, 0, 0, YES, 0,
273, 1, -5, YES, 0, 0, YES, 0,
274, 1, -5, YES, 0, 0, YES, 0,
275, 1, -5, YES, 0, 0, YES, 0,
276, 1, -5, YES, 0, 0, YES, 0,
277, 1, -5, YES, 0, 0, YES, 0,
278, 1, -5, YES, 0, 0, YES, 0,
279, 1, -5, YES, 0, 0, YES, 0,
280, 1, -5, YES, 0, 0, YES, 0,
281, 1, -5, YES, 0, 0, YES, 0,
282, 1, -5, YES, 0, 0, YES, 0,
283, 1, -5, YES, 0, 0, YES, 0,
284, 1, -5, YES, 0, 0, YES, 0,
285, 1, -5, YES, 0, 0, YES, 0,
286, 1, -5, YES, 0, 0, YES, 0,
287, 1, -5, YES, 0, 0, YES, 0,
288, 1, -5, YES, 0, 0, YES, 0,
289, 1, -5, YES, 0, 0, YES, 0,
290, 1, -5, YES, 0, 0, YES, 0,
291, 1, -5, YES, 0, 0, YES, 0,
292, 1, -5, YES, 0, 0, YES, 0,
293, 1, -5, YES, 0, 0, YES, 0,
294, 1, -5, YES, 0, 0, YES, 0,
295, 1, -5, YES, 0, 0, YES, 0,
296, 1, -5, YES, 0, 0, YES, 0,
297, 1, -5, YES, 0, 0, YES, 0,
298, 1, -5, YES, 0, 0, YES, 0,
299, 1, -5, YES, 0, 0, YES, 0,
300, 1, -5, YES, 0, 0, YES, 0,
301, 1, -5, YES, 0, 0, YES, 0,
302, 1, -5, YES, 0, 0, YES, 0,
; End of data for load case [TG-]
-----
*USE-STLD, Temp+
*ELTEMPER ; Element Temperatures
; ELEM_LIST, TEMPER, GROUP
18, 15,
19, 15,
20, 15,
21, 15,
22, 15,
23, 15,
24, 15,
25, 15,
26, 15,
27, 15,
28, 15,
29, 15,
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35, 15,
36, 15,
183, 15,
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188, 15,
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189, 15,
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250, 15,
251, 15,
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253, 15,
254, 15,
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262, 15,
263, 15,
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270, 15,
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289, 15,
290, 15,
291, 15,
292, 15,
293, 15,
294, 15,
295, 15,
296, 15,
297, 15,
298, 15,
299, 15,
300, 15,
301, 15,
302, 15,
303, 15,
304, 15,
; End of data for load case [Temp+]
-----
*USE-STLD, Temp-
*ELTEMPER ; Element Temperatures
; ELEM_LIST, TEMPER, GROUP
18, -15,
19, -15,
20, -15,
21, -15,
22, -15,
23, -15,
24, -15,
25, -15,
26, -15,
27, -15,
28, -15,
29, -15,
30, -15,
31, -15,
32, -15,
33, -15,
34, -15,
35, -15,
36, -15,
256, -15,
257, -15,
258, -15,
259, -15,
260, -15,
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261,-15, 22, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO 5
262,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 19, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, : DBNDR=BGROUP1, BGROUP2, ... : line 6
263,-15, 22, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO 7 : ALOAD=LGROUP1, DAY1, LGROUP2, DAY2, ... : line 6
264,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 19, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 7 : DLOAD=LGROUP1, DAY1, LGROUP2, DAY2, ... : line 8
265,-15, 23, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
266,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 20, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
267,-15, 23, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
268,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 20, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
269,-15, 24, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
270,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 21, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
271,-15, 24, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
272,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 21, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
273,-15, 25, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
274,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 22, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
275,-15, 25, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
276,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
277,-15, 26, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
278,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 23, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
279,-15, 26, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
280,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 23, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
281,-15, 27, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
282,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 77, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
283,-15, 27, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
284,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
285,-15, 28, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
286,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 78, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
287,-15, 28, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
288,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
289,-15, 80, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
290,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 79, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
291,-15, 81, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
292,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
293,-15, 81, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
294,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 80, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
295,-15, 82, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
296,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
297,-15, 82, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
298,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 81, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
299,-15, 83, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
300,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 82, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
301,-15, 83, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
302,-15, 21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO 82, BEAM, UNILOAD, GY, NO, NO, aDir[1], ...
303,-15, 84, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ... -21.3785, 1, -21.3785, 0, 0, 0, 0, NO, 0, 0, NO
304,-15, 0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO 83, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
: End of data for load case [Temp-] 0, 0, 20.7607, 1, 20.7607, 0, 0, 0, 0, NO, 0, 0, NO
-----
*USE-STLD, W+
*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
18, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO
18, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0,
21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO
19, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0,
21.3785, 1, 21.3785, 0, 0, 0, 0, NO, 0, 0, NO
19, BEAM, UNIMOMENT, GX, NO, NO, aDir[1], ...
0, -20.7607, 1, -20.7607, 0, 0, 0, 0, NO, 0, 0, NO
20, BEAM, UNILOAD, GY, NO, NO, aDir[1], ... 0,
21.3785, 1, 21.3785
```

ABNDR=CS40-Dfm14, DEFORMED, CS40-Org14, 210, -4.35, 0.167, NO, 211, -4.35, 0.167, NO, 383, 2.85, 0.167, NO, SPACING2, bVS2 ... : line 2+AXLE-TYPE-NUM
ORIGINAL DBNDR=CS40-Dfm13, CS40-Org13 212, -4.35, 0.167, NO, 213, -4.35, 0.167, NO, 384, 2.85, 0.167, NO, : if Moving Load Code is not one of those specified
NAME=CS40-15, 12, YES, YES, 214, -4.35, 0.167, YES, 215, -4.35, 0.167, NO, 386, 2.85, 0.167, NO, above.
ABNDR=CS40-Dfm15, DEFORMED, CS40-Org15, 216, -4.35, 0.167, NO, 217, -4.35, 0.167, NO, 387, 2.85, 0.167, NO, : NAME=NAME, 1, TYPE=NAME, DLA, CODE
ORIGINAL DBNDR=CS40-Dfm14, CS40-Org14 218, -4.35, 0.167, NO, 219, -4.35, 0.167, NO, 389, 2.85, 0.167, NO, : standard
NAME=CS41, 120, YES, NO, 220, -4.35, 0.167, NO, 221, -4.35, 0.167, NO, : NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
DELEM=Nose, 100, 222, -4.35, 0.167, NO, 223, -4.35, 0.167, NO, : user: line 1
ABNDR=CS41-Org0, ORIGINAL, 224, -4.35, 0.167, NO, 225, -4.35, 0.167, NO, : LOAD1, DIST1, LOAD2, DIST2, ...
DBNDR=CS40-Dfm15, CS40-Org15, 226, -4.35, 0.167, NO, 227, -4.35, 0.167, NO, : user: from line 2
ALOAD=Web-Prestress, FIRST, Diaphragm2, FIRST, 228, -4.35, 0.167, NO, 229, -4.35, 0.167, NO, : NAME=DB-24, 1, DB-24, 0, KS-RB
NAME=CS42, 10000, YES, NO, 230, -4.35, 0.167, NO, 231, -4.35, 0.167, NO, : NAME=DL-24, 1, DL-24, 0, KS-RB
ABNDR=CS42-Org0, ORIGINAL, 232, -4.35, 0.167, NO, 233, -4.35, 0.167, NO, *MVLDCASE : Moving Load Cases
DBNDR=CS41-Org0, 234, -4.35, 0.167, YES, 235, -4.35, 0.167, NO, : NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3,
ALOAD=2nd, FIRST, 236, -4.35, 0.167, NO, 237, -4.35, 0.167, NO, : SCALE4, SCALE5, SCALE6, COMB, DESC : 1st line
*MVLDCODE : Moving Load Code, 238, -4.35, 0.167, NO, 239, -4.35, 0.167, NO, : nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1,
: CODE=CODE, 240, -4.35, 0.167, NO, 241, -4.35, 0.167, NO, : 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 : 2st line
CODE=KOREA, 242, -4.35, 0.167, NO, 243, -4.35, 0.167, NO, : TYPE1, VCLASS1, SCALE1, IMIN1, IMAX1, LANE11,
*LINELANE : Traffic Line Lanes, 244, -4.35, 0.167, NO, 245, -4.35, 0.167, NO, : LANE12, ... : 3rd line
: NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, 246, -4.35, 0.167, NO, 247, -4.35, 0.167, NO, : ... :
LW, WS : line 1, 248, -4.35, 0.167, NO, 249, -4.35, 0.167, NO, : TYPEEn, VCLASSn, SCALEn, IMINn, IMAXn, LANEn1,
: IELEM1, ECC1, FACT1, bSPAN1, ... 250, -4.35, 0.167, NO, 251, -4.35, 0.167, NO, : LANEn2, ... : n+1th line
: from line 2, 252, -4.35, 0.167, NO, 253, -4.35, 0.167, NO, : NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN,
NAME=L1, LANE, 0, 0, BOTH, 3, 1.8, 254, -4.35, 0.158, YES, 255, -4.35, 0.158, NO, : SCALE, DESC : Permit
18, -4.35, 0.188, NO, 19, -4.35, 0.188, NO, : NAME=MV, NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
20, -4.35, 0.188, NO, 21, -4.35, 0.188, NO, INDEPENDENT, 256, -4.35, 0.158, NO, 257, -4.35, 0.158, NO, : 1, 1, 1, 1, 0.5, 0.25
22, -4.35, 0.188, NO, 23, -4.35, 0.188, NO, : VL, DB-24, 1, 1, 3, L1, L2, L3
24, -4.35, 0.188, NO, 25, -4.35, 0.188, NO, : VL, DL-24, 1, 1, 3, L1, L2, L3
26, -4.35, 0.188, NO, 27, -4.35, 0.188, NO, *SM-GROUP : Settlement Group
28, -4.35, 0.188, NO, 29, -4.35, 0.188, NO, : GRNAME, DISPLACEMENT, NODE_LIST
30, -4.35, 0.188, NO, 31, -4.35, 0.188, NO, : 1, -0.01, 18 54to254by40 298 346 390
32, -4.35, 0.188, NO, 33, -4.35, 0.188, NO, : 2, -0.01, 34to234by40 276 322 370
34, -4.35, 0.167, YES, 35, -4.35, 0.167, NO, *SMLDCASE : Settlement Load Cases
36, -4.35, 0.167, NO, 37, -4.35, 0.167, NO, : NAME=NAME, ISMIN, ISMAX, SCALE, DESC : line 1
38, -4.35, 0.167, NO, 39, -4.35, 0.167, NO, : : GRNAME1, GRNAME2, ... : from line 2
40, -4.35, 0.167, NO, 41, -4.35, 0.167, NO, : NAME=S, 1, 2, 1,
42, -4.35, 0.167, NO, 43, -4.35, 0.167, NO, : 1, 2
44, -4.35, 0.167, NO, 45, -4.35, 0.167, NO, *LOADCOMB : Combinations
46, -4.35, 0.167, NO, 47, -4.35, 0.167, NO, : NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
48, -4.35, 0.167, NO, 49, -4.35, 0.167, NO, : ISERV-TYPE, nLCOMTYPE : line 1
50, -4.35, 0.167, NO, 51, -4.35, 0.167, NO, : : ANAL1, LCNAME1, FACT1, ...
52, -4.35, 0.167, NO, 53, -4.35, 0.167, NO, : : from line 2
54, -4.35, 0.167, YES, 55, -4.35, 0.167, NO, : NAME=D, GEN, ACTIVE, 0, 0, 0, 0
56, -4.35, 0.167, NO, 57, -4.35, 0.167, NO, : CS, Dead Load, 1, CS, Erection Load, 1
58, -4.35, 0.167, NO, 59, -4.35, 0.167, NO, : NAME=PS, GEN, ACTIVE, 0, 0, 0, 0
60, -4.35, 0.167, NO, 61, -4.35, 0.167, NO, : CS, Tendon Primary, 1, CS, Tendon Secondary, 1
62, -4.35, 0.167, NO, 63, -4.35, 0.167, NO, : NAME=CS, GEN, ACTIVE, 0, 0, 0, 0
64, -4.35, 0.167, NO, 65, -4.35, 0.167, NO, : CS, Creep Secondary, 1, CS, Shrinkage Secondary,
66, -4.35, 0.167, NO, 67, -4.35, 0.167, NO, 1
68, -4.35, 0.167, NO, 69, -4.35, 0.167, NO, : NAME=T+, GEN, ACTIVE, 0, 0, 0, 0
70, -4.35, 0.167, NO, 71, -4.35, 0.167, NO, : ST, TG+, 1, ST, Temp+, 1
72, -4.35, 0.167, NO, 73, -4.35, 0.167, NO, : NAME=T-, GEN, ACTIVE, 0, 0, 0, 0
74, -4.35, 0.167, YES, 75, -4.35, 0.167, NO, : ST, TG-, 1, ST, Temp-, 1
76, -4.35, 0.167, NO, 77, -4.35, 0.167, NO, : NAME=T, GEN, ACTIVE, 0, 1, 0, 0
78, -4.35, 0.167, NO, 79, -4.35, 0.167, NO, : CB, T+, 1, CB, T-, 1
80, -4.35, 0.167, NO, 81, -4.35, 0.167, NO, : NAME=W, GEN, ACTIVE, 0, 1, 0, 0
82, -4.35, 0.167, NO, 83, -4.35, 0.167, NO, : ST, W+, 1, ST, W-, 1
84, -4.35, 0.167, NO, 85, -4.35, 0.167, NO, : NAME=1), GEN, ACTIVE, 0, 0, 0, 0
86, -4.35, 0.167, NO, 87, -4.35, 0.167, NO, : CS, Dead Load, 1, CB, PS, 1, CB, CS, 1
88, -4.35, 0.167, NO, 89, -4.35, 0.167, NO, : NAME=2), GEN, ACTIVE, 0, 0, 0, 0
90, -4.35, 0.167, NO, 91, -4.35, 0.167, NO, : CB, D, 1, CB, PS, 1, CB, CS, 1
92, -4.35, 0.167, NO, 93, -4.35, 0.167, NO, : NAME=3), GEN, ACTIVE, 0, 0, 0, 0
94, -4.35, 0.167, YES, 95, -4.35, 0.167, NO, : CB, D, 1, CB, PS, 1, CB, CS, 1, MV, MV, 1, SM,
96, -4.35, 0.167, NO, 97, -4.35, 0.167, NO, S, 1
98, -4.35, 0.167, NO, 99, -4.35, 0.167, NO, : NAME=LC1, GEN, ACTIVE, 0, 1, 0, 0
100, -4.35, 0.167, NO, 101, -4.35, 0.167, NO, : CB, 1), 1, CB, 2), 1, CB, 3), 1
102, -4.35, 0.167, NO, 103, -4.35, 0.167, NO, : NAME=LC2, GEN, ACTIVE, 0, 0, 0, 0
104, -4.35, 0.167, NO, 105, -4.35, 0.167, NO, : CB, D, 0.87, CB, PS, 0.87, CB, CS, 0.87, MV, MV,
106, -4.35, 0.167, NO, 107, -4.35, 0.167, NO, : 0.87, CB, T, 0.87
108, -4.35, 0.167, NO, 109, -4.35, 0.167, NO, :
210, -4.35, 0.167, NO, 211, -4.35, 0.167, NO, 383, 2.85, 0.167, NO, SPACING2, bVS2 ... : line 2+AXLE-TYPE-NUM
212, -4.35, 0.167, NO, 213, -4.35, 0.167, NO, 384, 2.85, 0.167, NO, : if Moving Load Code is not one of those specified
214, -4.35, 0.167, YES, 215, -4.35, 0.167, NO, 386, 2.85, 0.167, NO, above.
216, -4.35, 0.167, NO, 217, -4.35, 0.167, NO, 387, 2.85, 0.167, NO, : NAME=NAME, 1, TYPE=NAME, DLA, CODE
218, -4.35, 0.167, NO, 219, -4.35, 0.167, NO, 389, 2.85, 0.167, NO, : standard
220, -4.35, 0.167, NO, 221, -4.35, 0.167, NO, : NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
222, -4.35, 0.167, NO, 223, -4.35, 0.167, NO, : user: line 1
224, -4.35, 0.167, NO, 225, -4.35, 0.167, NO, : LOAD1, DIST1, LOAD2, DIST2, ...
226, -4.35, 0.167, NO, 227, -4.35, 0.167, NO, : user: from line 2
228, -4.35, 0.167, NO, 229, -4.35, 0.167, NO, : NAME=DB-24, 1, DB-24, 0, KS-RB
230, -4.35, 0.167, NO, 231, -4.35, 0.167, NO, : NAME=DL-24, 1, DL-24, 0, KS-RB
232, -4.35, 0.167, NO, 233, -4.35, 0.167, NO, *MVLDCASE : Moving Load Cases
234, -4.35, 0.167, YES, 235, -4.35, 0.167, NO, : NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3,
236, -4.35, 0.167, NO, 237, -4.35, 0.167, NO, : SCALE4, SCALE5, SCALE6, COMB, DESC : 1st line
238, -4.35, 0.167, NO, 239, -4.35, 0.167, NO, : nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1,
240, -4.35, 0.167, NO, 241, -4.35, 0.167, NO, : 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 : 2st line
242, -4.35, 0.167, NO, 243, -4.35, 0.167, NO, : TYPE1, VCLASS1, SCALE1, IMIN1, IMAX1, LANE11,
244, -4.35, 0.167, NO, 245, -4.35, 0.167, NO, : LANE12, ... : 3rd line
246, -4.35, 0.167, NO, 247, -4.35, 0.167, NO, : ... :
248, -4.35, 0.167, NO, 249, -4.35, 0.167, NO, : TYPEEn, VCLASSn, SCALEn, IMINn, IMAXn, LANEn1,
250, -4.35, 0.167, NO, 251, -4.35, 0.167, NO, : LANEn2, ... : n+1th line
252, -4.35, 0.167, NO, 253, -4.35, 0.167, NO, : NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN,
254, -4.35, 0.158, YES, 255, -4.35, 0.158, NO, : SCALE, DESC : Permit
256, -4.35, 0.158, NO, 257, -4.35, 0.158, NO, : NAME=MV, NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
258, -4.35, 0.158, NO, 259, -4.35, 0.158, NO, INDEPENDENT, 256, -4.35, 0.158, NO, 257, -4.35, 0.158, NO, : 1, 1, 1, 1, 0.5, 0.25
260, -4.35, 0.158, NO, 261, -4.35, 0.158, NO, : VL, DB-24, 1, 1, 3, L1, L2, L3
262, -4.35, 0.158, NO, 263, -4.35, 0.158, NO, : VL, DL-24, 1, 1, 3, L1, L2, L3
264, -4.35, 0.158, NO, 265, -4.35, 0.158, NO, *SM-GROUP : Settlement Group
266, -4.35, 0.158, NO, 267, -4.35, 0.158, NO, : GRNAME, DISPLACEMENT, NODE_LIST
268, -4.35, 0.158, NO, 269, -4.35, 0.158, NO, : 1, -0.01, 18 54to254by40 298 346 390
270, -4.35, 0.158, NO, 271, -4.35, 0.158, NO, : 2, -0.01, 34to234by40 276 322 370
206, 2.85, 0.167, NO, 207, 2.85, 0.167, NO, 208, 2.85, 0.167, NO, *SMLDCASE : Settlement Load Cases
209, 2.85, 0.167, NO, 210, 2.85, 0.167, NO, 211, 2.85, 0.167, NO, : NAME=NAME, ISMIN, ISMAX, SCALE, DESC : line 1
212, 2.85, 0.167, NO, 213, 2.85, 0.167, NO, 214, 2.85, 0.167, YES, : : GRNAME1, GRNAME2, ... : from line 2
215, 2.85, 0.167, NO, 216, 2.85, 0.167, NO, 217, 2.85, 0.167, NO, : NAME=S, 1, 2, 1,
218, 2.85, 0.167, NO, 219, 2.85, 0.167, NO, 220, 2.85, 0.167, NO, : 1, 2
221, 2.85, 0.167, NO, 222, 2.85, 0.167, NO, 223, 2.85, 0.167, NO, *LOADCOMB : Combinations
224, 2.85, 0.167, NO, 225, 2.85, 0.167, NO, 226, 2.85, 0.167, NO, : NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
227, 2.85, 0.167, NO, 228, 2.85, 0.167, NO, 229, 2.85, 0.167, NO, : ISERV-TYPE, nLCOMTYPE : line 1
230, 2.85, 0.167, NO, 231, 2.85, 0.167, NO, 232, 2.85, 0.167, NO, : : ANAL1, LCNAME1, FACT1, ...
233, 2.85, 0.167, NO, 234, 2.85, 0.167, YES, 235, 2.85, 0.167, NO, : : from line 2
236, 2.85, 0.167, NO, 237, 2.85, 0.167, NO, 238, 2.85, 0.167, NO, : NAME=D, GEN, ACTIVE, 0, 0, 0, 0
239, 2.85, 0.167, NO, 235, 2.85, 0.15, NO, 355, 2.85, 0.15, NO, : CS, Dead Load, 1, CS, Erection Load, 1
356, 2.85, 0.15, NO, 357, 2.85, 0.15, NO, 358, 2.85, 0.15, NO, : NAME=PS, GEN, ACTIVE, 0, 0, 0, 0
359, 2.85, 0.15, NO, 360, 2.85, 0.15, NO, 361, 2.85, 0.15, NO, : CS, Tendon Primary, 1, CS, Tendon Secondary, 1
362, 2.85, 0.15, NO, 363, 2.85, 0.15, NO, 364, 2.85, 0.15, NO, : NAME=CS, GEN, ACTIVE, 0, 0, 0, 0
365, 2.85, 0.15, NO, 366, 2.85, 0.15, NO, 367, 2.85, 0.15, NO, : CS, Creep Secondary, 1, CS, Shrinkage Secondary,
368, 2.85, 0.15, NO, 369, 2.85, 0.15, NO, 370, 2.85, 0.167, YES, 1
371, 2.85, 0.167, NO, 372, 2.85, 0.167, NO, 373, 2.85, 0.167, NO, : NAME=T+, GEN, ACTIVE, 0, 0, 0, 0
374, 2.85, 0.167, NO, 375, 2.85, 0.167, NO, 376, 2.85, 0.167, NO, : ST, TG+, 1, ST, Temp+, 1
377, 2.85, 0.167, NO, 378, 2.85, 0.167, NO, 379, 2.85, 0.167, NO, : NAME=T-, GEN, ACTIVE, 0, 0, 0, 0
380, 2.85, 0.167, NO, 381, 2.85, 0.167, NO, 382, 2.85, 0.167, NO, : ST, TG-, 1, ST, Temp-, 1
: NAME=T, GEN, ACTIVE, 0, 1, 0, 0
: CB, T+, 1, CB, T-, 1
: NAME=W, GEN, ACTIVE, 0, 1, 0, 0
: ST, W+, 1, ST, W-, 1
: NAME=1), GEN, ACTIVE, 0, 0, 0, 0
: CS, Dead Load, 1, CB, PS, 1, CB, CS, 1
: NAME=2), GEN, ACTIVE, 0, 0, 0, 0
: CB, D, 1, CB, PS, 1, CB, CS, 1
: NAME=3), GEN, ACTIVE, 0, 0, 0, 0
: CB, D, 1, CB, PS, 1, CB, CS, 1, MV, MV, 1, SM,
S, 1
: NAME=LC1, GEN, ACTIVE, 0, 1, 0, 0
: CB, 1), 1, CB, 2), 1, CB, 3), 1
: NAME=LC2, GEN, ACTIVE, 0, 0, 0, 0
: CB, D, 0.87, CB, PS, 0.87, CB, CS, 0.87, MV, MV,
0.87, CB, T, 0.87

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SM, S, 0.87
NAME=LC3, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 0.8, CB, PS, 0.8, CB, CS, 0.8, MV, MV,
0.8, CB, W, 0.8
SM, S, 0.8
NAME=LC4, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 0.741, CB, PS, 0.741, CB, CS, 0.741, MV,
MV, 0.741, CB, T, 0.741
CB, W, 0.741, SM, S, 0.741
NAME=U1, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CS, Tendon Secondary, 1, MV, MV,
2.15
NAME=U2, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CS, Tendon Secondary, 1, CB, W, 1.3
NAME=U3, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CS, Tendon Secondary, 1, MV, MV,
1.3, CB, W, 0.65
NAME=U4, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CS, Tendon Secondary, 1, MV, MV,
1.3, CB, T, 1.3
CB, CS, 1.3, SM, S, 1.3
NAME=U5, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.25, CS, Tendon Secondary, 1, CB, W,
1.25, CB, T, 1.25
CB, CS, 1.25, SM, S, 1.25
NAME=U6, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.25, CS, Tendon Secondary, 1, MV, MV,
1.25, CB, T, 1.25
CB, CS, 1.25, SM, S, 1.25, CB, W, 0.625
NAME=U, GEN, ACTIVE, 0, 1, , 0, 0
CB, U1, 1, CB, U2, 1, CB, U3, 1, CB, U4, 1, CB,
U5, 1, CB, U6, 1
NAME=Env-ser, GEN, ACTIVE, 0, 1, , 0, 0
CB, LC1, 1, CB, LC2, 1, CB, LC3, 1, CB, LC4, 1
NAME=D+CS+PS, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1, CB, CS, 1, CS, Tendon Secondary, 1
NAME=PS-2nd, GEN, ACTIVE, 0, 0, , 0, 0
CS, Tendon Secondary, 1

*MOVE=CTRL : Moving Load Analysis Control
: METHOD, POINT, , IIGP, IIGPN/DIST, MATTYPE,
BRIDGETYPE, PLATE, bSTRCALC, FRAME, bcSTRCALC,
bREAC, bRG, RGN, bDISP, bDG, DGN, bFM, bFG, FGN
EXACT, ALL, 0, 3, 1, 0, NODAL, NO, NORMAL, YES,
YES, NO, , YES, NO, , YES, NO.
*STAGE=CTRL : Construction Stage Analysis Control
Data
: bLAST-FINAL, FINAL-STAGE, CPFC, bEXT-REPL,
bCALC-CFF, bCALC-CSP, bAPPLY-IMF, W : line 1
: bCONV, bTRUSS, bBEAM, bITD, IITD, GROUP, LTYPECC,
bSAVE-OCS, bLFFC, LFFGR, W : line 1
: bCHANGE-CABLE : line 1
: bINC-NLA, INLA-TYPE, bIMF, ILSTEP, IMAXITER, bENEG,
EV, bDISP, DV, bFORC, FV : line 2
: bINC-PDL, IITER, TOL : line 3
: bINC-TDE, bCNS, TYPE, IITER, TOL, bTTLE-CS, bRCE,
bVAR, bTTLE-ES, bAPPLY-ELA : line 4
: bOUCC, bITS, IITS, bATS, IT10, IT100, IT1K, IT5K, IT10K
: line 5
: bSD, ISDOPT, SDCONST, IBSC, bSDLE, GLC1, GLC2, ...
: line 6
: LCNAME1, LCNAME2, LCNAME3, ... : line 7
YES, , INTERNAL, NO, NO, NO, NO, NO, NO, NO, NO,
D, NO, NO, , NO
NO
YES, YES, BOTH, 5, 0.01, YES, NO, YES, YES, 0, NO
NO, YES, 2, YES, 2, 5, 7, 10, 20
NO, , 1, NO
2nd

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*DGN-MATL : Modify Steel(Concrete) Material
: IMAT, TYPE, MNAME, [DATA1]
: STEEL
: IMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV,
SHORT, LONG : CONC
: IMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA]
: SRC
: IMAT, TYPE, MNAME, [DATA5]
: STEEL(None) & KSCE-ASD05
: [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, STEEL, SM400 : 1, KS-Civil(S),
SM400
: 2, CONC, C400 : 1, KS-Civil(RC),
C400
: NO, 1, , , 0, 0, 27458.62, NO, 0, 0

*REAC-POS : Reaction Position
: NAME=NAME, DESC : line 1
: STAGE1, NODE1, STAGE2, NODE2, ... : from line
2
NAME=Support1,
CS37-9, 1, CS39-8, 2, CS39-9, 3, CS40, 3,
CS40-1, 4, CS40-2, 5, CS40-3, 6
CS40-4, 7, CS40-5, 8, CS40-6, 9, CS40-7, 10,
CS40-8, 11, CS39-9, 12
CS40-10, 13, CS40-11, 14, CS40-12, 15,
CS40-13, 16, CS40-14, 17, CS40-15, 18
CS41, 18, CS42, 18
NAME=Support2,
CS37-9, 1, CS38, 1, CS38-1, 2, CS38-2, 3,
CS38-3, 4, CS38-4, 5, CS38-5, 6
CS38-6, 7, CS38-7, 8, CS38-8, 9, CS38-9, 10,
CS39, 10, CS39-1, 11
CS39-2, 12, CS39-3, 13, CS39-4, 14, CS39-5,
15, CS39-6, 16, CS39-7, 17
CS39-8, 18, CS39-9, 19, CS40, 19, CS40-1, 20,
CS40-2, 21, CS40-3, 22
CS40-4, 23, CS40-5, 24, CS40-5P, 24, CS40-6,
25, CS40-7, 26, CS40-8, 27
CS40-9, 28, CS40-10, 29, CS40-11, 30, CS40-12,
31, CS40-13, 32, CS40-14, 33
CS40-15, 34, CS41, 34, CS42, 34
NAME=Support30,
CS3, 37, CS3-1, 39, CS4, 47, CS4-1, 49, CS5,
57, CS5-1, 59, CS6, 67
CS6-1, 69, CS7, 77, CS7-1, 79, CS8, 87, CS8-1,
89, CS9, 97, CS9-1, 99
CS10, 107, CS10-1, 109, CS11, 117, CS11-1,
119, CS12, 127, CS12-1, 129
CS13, 137, CS13-1, 139, CS14, 147, CS14-1,
149, CS15, 157, CS15-1, 159
CS16, 167, CS16-1, 169, CS17, 177, CS17-1,
179, CS18, 187, CS18-1, 189
CS19, 197, CS19-1, 199, CS20, 207, CS20-1,
209, CS21, 217, CS21-1, 219
CS22, 227, CS22-1, 229, CS23, 237, CS23-1,
239, CS24, 247, CS24-1, 249
CS25, 257, CS25-1, 258, CS25-2, 259, CS25-3,
260, CS26, 268, CS26-1, 269
CS26-2, 270, CS26-3, 271, CS27, 279, CS27-1,
280, CS27-2, 281, CS27-3, 282

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CS27-3P, 282, CS28, 290, CS28-1, 292, CS29,
300, CS29-1, 302, CS29-1P, 302
CS30, 310, CS31, 318, CS32, 326, CS33, 334,
CS34, 342, CS35, 350, CS36, 358
CS37, 366, CS37-1, 367, CS38, 375, CS38-1,
376, CS39, 384, CS39-1, 385
NAME=Support31,
CS3, 436, CS4, 446, CS5, 456, CS6, 466, CS7,
476, CS8, 486, CS9, 496
CS10, 506, CS11, 516, CS12, 526, CS13, 536,
CS14, 546, CS15, 556, CS16, 566
CS17, 576, CS18, 586, CS19, 596, CS20, 606,
CS21, 616, CS22, 626, CS23, 636
CS24, 646, CS25, 656, CS25-1, 657, CS26, 667,
CS26-1, 668, CS27, 678
CS27-1, 679, CS28, 689, CS29, 699
NAME=Support32,
CS3, 39, CS4, 49, CS5, 59, CS6, 69, CS7, 79,
CS8, 89, CS9, 99, CS10, 109
CS11, 119, CS12, 129, CS13, 139, CS14, 149,
CS15, 159, CS16, 169, CS17, 179
CS18, 189, CS19, 199, CS20, 209, CS21, 219,
CS22, 229, CS23, 239, CS24, 249
CS25, 259, CS25-1, 260, CS26, 270, CS26-1,
271, CS27, 281, CS27-1, 282
CS28, 292, CS29, 302
NAME=Support33,
CS25, 657, CS26, 668, CS27, 679
NAME=Support34,
CS25, 260, CS26, 271, CS27, 282

*DYNAGEN-CHART : SmartGen Chart
: NAME=NAME, nTYPE, nKEY, CAPTION, GNAME, FNAME,
LABELX, LABELY, bEXPX, bEXPY, bLOGX, bLOGY,
nXDECP...
: nYDECP, nFTYPE, dTEMPER, dMAXTEMPER, dREACTIVE,
dDELAY, dMEANTTEMPER
: 1st Line
: [GRPH] nKEYX, bTIMEorFUNC, bMERGELIST, nGTYPE,
nOCTBANDOPTION, dMAXFREQ, dMINFREQ
: 2nd Line
: [STGH] nCASE, nLCASEK, nRTYPE, nNMNMXTYPE, bDIRX,
bDIRY, nREFP, nLDIR, nELEM RADIO, bSHEAR, bDRIFT,
bDRIFTRATIO : 3rd Line
: [POCV] nLCASEK, nPLOTTYPE, bDEMANDSPECTRA,
bCONSTPERIOD, dSPECTDAMP[0], dSPECTDAMP[1]...
: dCONSTPERIOD[0], dSPECTDAMP[2], dSPECTDAMP[3],
dCONSTPERIOD[1], dCONSTPERIOD[3]...
: bSHOWSIMBOL, bSHOWREFLINE, bPROAorB,
bAUTORANGE, dXMNRANGE, dMXMRANGE, dYMNRRANGE,
dYMXRANGE : 4th Line
: [EQRS] nSPECTRUMTYPE, nDATATYPE, nDAMPINGNUM,
dOUTPERIOD[0], dOUTPERIOD[1], dOUTPERIOD[2],
dDAMPPRATIO[0]... dDAMPPRATIO[1], dDAMPPRATIO[2],
dDAMPPRATIO[3], dDAMPPRATIO[4], dDAMPPRATIO[5],
dAMPLISCALE, dTIMESCALE, dGRAV : 5th Line
: [STHG] nLCASEK, nMULTIPLY, nSTEPOPT, nXOPT,
n L C A S E T Y P E
: 6th Line
: [HHAD] bGRAPH[0], bGRAPH[1], bGRAPH[2],
bGRAPH[3], bGRAPH[4], bGRAPH[5], nXAXISTYPE,
nCRGRPTYPE, nSELGRAPH : 7th Line
: [BRGD] nBSTRSCOMP, nBSTRSCOMPSUB, nXAXISTYPE,
nDIATYPE, nIDX, nMCOMP, bALLSTAGE,
bDRAWBOUNDLINE, dCOMP, dTENS : 8th Line
: [CUTD] nGPSMODE, bAVENODAL, bAVENODAL2, bVP,
bVN, bHINGE, bCL, bCP, bPSDATASET, bISO, nCOM,
nCOMV, nCLGDRAW...
: nGL, dORG[0], dORG[1], dORG[2], dVX[0],

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dVX[1], dVX[2], dVY[0], dVY[1], dVY[2]
: 9th Line
: nKEYXSIZE, nKEYX[0], nKEYX[1], nKEYX[2] ...
n K E Y X [ n ]
: 10th Line
: nKEYYSIZE, nKEYY[0], nKEYY[1], nKEYY[2] ...
n K E Y X [ n ]
: 11th Line
: nSTORYSIZE, nSTORY[0], nSTORY[1], nSTORY[2] ...
n S T O R Y [ n ]
: 12th Line
NAME=STDMFunc, 29, 1, , , , NO, NO, NO, NO, 0, 0,
0, 0, 10000, 0, 10, 0
24, NO, NO, 0, 0, 0, 0
0
0
0
*SECTION MANAGER-GROUP & PART : Section
Manager - Group & Part
: SECT = NO, bSAMEJ
: line 1
: GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
: line 2
: .....
: LOOP UTIL (GRPDISIZE, GRPDJSIZE)
:
: GROUPID, GROUPNAME, GROUPTYPE
: line n
: .....
: LOOP UTIL (PARTISIZE, PARTJSIZE)
:
: PARTTYPE, GROUPID, PARTNAME, PARTSHAPE,
bSTIFFENER : line n
: LINESIZE, LINEINDEX[i].....
: line n
: .....
: SECT=1, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER : Section Manager -
Stiffener
: SECT = NO, bSAMEJ
: line 1
: STFNISIZE, STFNJSIZE
: line 2
: .....
: LOOP UTIL (STFNISIZE, STFNJSIZE)
:
: TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM,
CTC : line n
: STIFFTYPE, dSIZE(0 ~ 20)
: line n
: LINESIZE, LINEINDEX[i].....
: line n
: .....
: SECT=1, YES
0, 0
*ENDDATA

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2) 횡방향

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

*NODE : Nodes
: INO, X, Y, Z
1, 0, 0, 0
2, 1.45, 0, -0.026
3, 2.958, 0, -0.054
4, 5.202, 0, -0.095
5, 6.3, 0, -0.115
6, 7.402, 0, -0.135
7, 9.654, 0, -0.176
8, 11.15, 0, -0.203
9, 12.6, 0, -0.229
10, 3.299, 0, -1.042
11, 9.302, 0, -1.172
12, 3.893, 0, -2.769
13, 5.352, 0, -2.798
14, 6.246, 0, -2.816
15, 7.252, 0, -2.836
16, 8.703, 0, -2.865

*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, IELMT : Comp/Tens Truss
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, ISUB, IWID
: 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, 1, 1, 2, 0
2, BEAM, 1, 2, 2, 3, 0
3, BEAM, 1, 3, 3, 4, 0
4, BEAM, 1, 4, 4, 5, 0
5, BEAM, 1, 5, 5, 6, 0
6, BEAM, 1, 6, 6, 7, 0
7, BEAM, 1, 7, 7, 8, 0
8, BEAM, 1, 8, 8, 9, 0
9, BEAM, 1, 9, 3, 10, 0
10, BEAM, 1, 10, 10, 12, 0
11, BEAM, 1, 11, 7, 11, 0
12, BEAM, 1, 12, 11, 16, 0
13, BEAM, 1, 13, 12, 13, 0
14, BEAM, 1, 14, 13, 14, 0
15, BEAM, 1, 15, 14, 15, 0
16, BEAM, 1, 16, 15, 16, 0

*LOAD-GROUP : Load Group
: NAME
방음벽+방호벽
활하중

*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 : Orthotropic
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
THERMAL, DEN, MASS
1, CONC, C40, 0, 0, 0, C, NO, 0.05, 1,

KS01-Civil(RC), KCI-2007, C40

*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 line - DB/USER
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE, ELAST,
DEN, POIS, POIC, SF : 1st line - SRC
: D1, D2, [SRC]
: 2nd line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
NAME1, NAME2, D1, D2 : 1st line - 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 line - TAPERED
: DB, NAME1, NAME2
: 2nd line(STYPE=DB)
: [DIM1], [DIM2]
: 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
: 2nd line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], Wl, 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
: [SIZE-B]-i
: [SIZE-C]-i
: [SIZE-D]-i
: [SIZE-A]-j
: [SIZE-B]-j

: 10th line(STYPE=PSC)
: 11th line(STYPE=PSC)
: 12th line(STYPE=PSC)
: 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, Egdsb, 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, STYPE1, STYPE2
: 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, 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, SHAPE
: 1st line - COMPOSITE-SI
: Hw, tw, B, Bf1, B2, Bf2, tf2
: 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 3rd line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
: 1st line - COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT]
: 2nd line
: [SIZE-A]
: 3rd line
: [SIZE-B]
: 4th line
: [SIZE-C]
: 5th line
: 6th line
: 7th line
: SW, GN, CTC, Bc, Tc, Hh, Egdsb, DgdDsb, Pgd,
Psb : 7th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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
: [SIZE-A]
: 5th line
: [SIZE-B]
: 6th line
: [SIZE-C]
: 7th line
: [SIZE-D]
: 8th 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, iUSER, iVERT,
iUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, iUSER,
iUSER, iVERT, iUSER, iUSER
: [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
: [IWT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
*DGN-SECT
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
[DATA2] : 1st line - DB/USER
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE, ELAST,
DEN, POIS, POIC, SF : 1st line - SRC
: D1, D2, [SRC]
: 2nd line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
NAME1, NAME2, D1, D2 : 1st line - 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 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)


```
*CONLOAD      : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
: 1, 3.24, 0, 0, 0, 1.75, 0,
: 9, 3.24, 0, 0, 0, 1.75, 0,
*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
: 9, BEAM      : UNLOAD, GX, NO, NO, aDir[1], , , , 0,
3, 1, 3, 0, 0, 0, 0, , NO, 0, 0, NO
: 10, BEAM     : UNLOAD, GX, NO, NO, aDir[1], , , , 0,
3, 1, 3, 0, 0, 0, 0, , NO, 0, 0, NO
: End of data for load case [Temp-]
```

```
*USE-STLD, L2
*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
: 3, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.422389, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 4, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.364238, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 5, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.549819, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 6, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.578945, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: End of data for load case [L2]
```

```
*USE-STLD, L3
*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, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.517158, -59.428, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 2, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.729317, -59.428, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 3, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.352882, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 4, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.316887, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 5, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.408281, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: 6, BEAM      : CONLOAD, GZ, NO, NO, aDir[1], , , ,
0.509685, -57.512, 0, 0, 0, 0, 0, 활하중, NO, 0, 0, NO
: End of data for load case [L3]
```

```
*USE-STLD, Temp-
*ELTEMPER      : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
: 1, -15,
```

```
2, -15,
3, -15,
4, -15,
5, -15,
6, -15,
7, -15,
8, -15,
9, -15,
10, -15,
11, -15,
12, -15,
13, -15,
14, -15,
15, -15,
16, -15,
: End of data for load case [Temp-]
```

```
*USE-STLD, T-
*THERGRAD      : Temperature Gradient
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, TY, bUSEHY, HY,
GROUP
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, GROUP
: 1, 1, -5, YES, 0, 0, YES, 0,
2, 1, -5, YES, 0, 0, YES, 0,
3, 1, -5, YES, 0, 0, YES, 0,
4, 1, -5, YES, 0, 0, YES, 0,
5, 1, -5, YES, 0, 0, YES, 0,
6, 1, -5, YES, 0, 0, YES, 0,
7, 1, -5, YES, 0, 0, YES, 0,
8, 1, -5, YES, 0, 0, YES, 0,
: End of data for load case [T-]
```

```
*LOADCOMB      : Combinations
: NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
ISERV=TYPE, nLCOMTYPE : line 1
: : ANAL1, LCNAME1, FACT1, ...
: : from line 2
NAME=D, GEN, ACTIVE, 0, 0, , 0
ST, 자중, 1, ST, 아스콘 포장, 1, ST, 방호벽, 1, ST,
방음벽, 1
NAME=L, GEN, ACTIVE, 0, 1, , 0, 0
ST, L1, 1, ST, L2, 1, ST, L3, 0.9
NAME=T1, GEN, ACTIVE, 0, 0, , 0, 0
ST, Temp+, 1, ST, T+, 1
NAME=T2, GEN, ACTIVE, 0, 0, , 0, 0
ST, Temp+, 1, ST, T-, 1
NAME=T3, GEN, ACTIVE, 0, 0, , 0, 0
ST, Temp-, 1, ST, T+, 1
NAME=T4, GEN, ACTIVE, 0, 0, , 0, 0
ST, Temp-, 1, ST, T-, 1
NAME=Temp, GEN, ACTIVE, 0, 1, , 0, 0
CB, T1, 1, CB, T2, 1, CB, T3, 1, CB, T4, 1
NAME=U1, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CB, L, 2.15
NAME=U2, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CB, L, 1.3, CB, TEMP, 1.3
NAME=U3, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, CB, L, 1.3, ST, 풍하중, 0.65
NAME=U4, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.3, ST, 풍하중, 1.3
NAME=U5, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.25, CB, L, 1.25, CB, TEMP, 1.25, ST, 풍
하중, 0.625
NAME=U6, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1.25, CB, TEMP, 1.25, ST, 풍하중, 1.25
NAME=Ser1, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1, CB, L, 1
NAME=Ser2, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1, CB, L, 1, CB, TEMP, 1
NAME=ser3, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1, CB, L, 1, ST, 풍하중, 0.5
```

```
NAME=Ser4, GEN, ACTIVE, 0, 0, , 0, 0
CB, D, 1, CB, L, 1, CB, TEMP, 1, ST, 풍하중, 0.5
NAME=U, GEN, ACTIVE, 0, 1, , 0, 0
CB, U1, 1, CB, U2, 1, CB, U3, 1, CB, U4, 1, CB,
U5, 1, CB, U6, 1
NAME=Ser, GEN, ACTIVE, 0, 1, , 0, 0
CB, Ser1, 1, CB, Ser2, 1, CB, ser3, 1, CB, Ser4, 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, 255, 255, 87, 255, 0, 192, 192, 192, 0
ST, 아스콘 포장, 0, 128, 128, 0, 128, 57, 192, 0, 128
ST, 방음벽, 93, 255, 87, 0, 192, 192, 0, 128, 128
ST, 방울벽, 85, 0, 192, 163, 255, 160, 0, 192, 128
ST, L1, 0, 192, 192, 163, 255, 160, 0, 192, 128
ST, Temp+, 148, 87, 255, 255, 160, 255, 255, 87, 128
ST, T+, 192, 192, 192, 0, 128, 57, 255, 0, 128
ST, 풍하중, 255, 87, 87, 160, 192, 255, 160, 255, 255
ST, L2, 192, 192, 192, 0, 192, 128, 85, 0, 192
ST, L3, 255, 128, 0, 78, 0, 255, 128, 192, 0
CB, D, 0, 192, 192, 163, 255, 160, 0, 128, 192
CB, L, 255, 192, 87, 192, 192, 0, 160, 255, 255
ST, Temp-, 93, 255, 87, 255, 192, 87, 0, 157, 192
ST, T-, 0, 128, 57, 148, 87, 255, 85, 0, 192
CB, T1, 255, 0, 128, 148, 87, 0, 78, 0, 255
CB, T2, 148, 87, 255, 148, 87, 255, 192, 192, 0
CB, T3, 255, 192, 160, 128, 192, 0, 255, 192, 160
CB, T4, 255, 0, 192, 0, 192, 128, 146, 0, 255
CB, TEMP, 160, 255, 255, 85, 192, 0, 255, 255, 87
CB, U1, 146, 0, 255, 192, 0, 192, 255, 87, 87
CB, U2, 210, 210, 210, 85, 0, 192, 192, 72, 0
CB, U3, 85, 0, 192, 212, 160, 255, 0, 192, 192
CB, U4, 0, 192, 128, 78, 0, 255, 255, 255, 255
CB, U5, 0, 192, 192, 210, 210, 210, 255, 87, 128
CB, U6, 192, 0, 128, 255, 0, 128, 0, 128, 57
CB, Ser1, 192, 192, 192, 0, 128, 128, 255, 87, 87
CB, Ser2, 0, 192, 192, 0, 157, 192, 0, 192, 128
CB, ser3, 210, 210, 210, 85, 192, 0, 163, 255, 160
CB, Ser4, 192, 128, 0, 255, 87, 87, 85, 0, 192
CB, U, 192, 0, 192, 255, 87, 87, 255, 0, 192
CB, Ser, 255, 0, 128, 255, 255, 255, 128, 192, 0
```

```
*DGN-MATL      : Modify Steel(Concrete) Material
: IMAT, TYPE, MNAME, [DATA1]
: : STEEL
: IMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV,
SHORT, LONG : CONC
: IMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA]
: : SRC
: : IMAT, TYPE, MNAME, [DATA5]
: : STEEL(None) & KSCE-ASD05
: [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, C40
, NO, 1, , , , 0, 28000, NO, 0, 0
*DYNA GEN-TABLE : SmartGen Table
: NAME=NAME, nMENUID, nDSKIND, TBKIND, CAPTION,
bALL, GRUPTNAME, nDATATYPE, nTBMODE
: : 1st Line
: [HEADER] : nROWCOUNT, nALLCOLCOUNT,
```

```
nCURCOLCOUNT, ... nUNSELCOLCOUNT
: 2nd Line
: [HEADER] CURINDEX[0], CURINDEX[1], CURINDEX[2]
CURINDEX[150]
... : 3rd Line
: [HEADER] UNSELINDEX[0], UNSELINDEX[1],
UNSELINDEX[150]
UNSELINDEX[2] : 4th Line
[CELL] nROWCOUNT
: : 5th Line
[SORT] nSORTCOUNT
: : 6th Line
[ nSORTFLDID[0], nSORTFLDID[1],
nSORTFLDID[2] nSORTFLDID[20]
: : 7th Line
[ nSORTASCEND[0], nSORTASCEND[1],
nSORTASCEND[2] nSORTASCEND[20]
: : 8th Line
[ nSORTTYPE[0], nSORTTYPE[1], nSORTTYPE[2]
nSORTTYPE[20]
... : 9th Line
[ nSTYLECOUNT, nSTYLEPREFCOUNT
: : 10th Line
[ nSTYLECOL[0], nSTYLECOL[1], nSTYLECOL[2]
nSTYLECOL[150]
... : 11th Line
[ nSTYLETYPE[0], nSTYLETYPE[1],
nSTYLETYPE[2] nSTYLETYPE[150]
: : 12th Line
[ nSTYLETITLE[0], nSTYLETITLE[1],
nSTYLETITLE[2] nSTYLETITLE[150]
: : 13th Line
[ nPREFVTYPE[0], nPREFVTYPE[1],
nPREFVTYPE[2] nPREFVTYPE[150]
: : 14th Line
[ nPREFFORMAT[0], nPREFFORMAT[1],
nPREFFORMAT[2] nPREFFORMAT[150]
: : 15th Line
[ nPREFPLACE[0], nPREFPLACE[1],
nPREFPLACE[2] nPREFPLACE[150]
: : 16th Line
[ nPREFWIDTH[0], nPREFWIDTH[1],
nPREFWIDTH[2] nPREFWIDTH[150]
: : 17th Line
[ nKEYTYPE, nCHILDTYPE, bNODE[0], bNODE[1]
: : 18th Line
[ nKEYSIZE, KEY[0], KEY[1], KEY[2] ...
K E Y [ n ]
: : 19th Line
[ nLOADSIZE, LOAD[0], LOAD[1], LOAD[2] ...
L O A D [ n ]
: : 20th Line
[ nLKINDSIZE, LKIND[0], LKIND[1], LKIND[2] ...
L K I N D [ n ]
: : 21th Line
[ nMINMAXSIZE, MINMAX[0], MINMAX[1],
MINMAX[2] ...
: : 22th Line
[ nSTEPSIZE, STEP[0], STEP[1], STEP[2] ...
S T E P [ n ]
: : 23th Line
[ nLOADSTEPSIZE, LCIX[0], STEP[0], LCIX[1],
STEP[1] ... LCIX[n], STEP[n]
: : 24th Line
[ nPARTSIZE, PART[0], PART[1], PART[2] ...
P A R T [ n ]
: : 25th Line
[ nCURETCSIZE, CURETC[0], CURETC[1],
CURETC[2] ...
```

```

: 26th Line
; [ACTIVE] nCURDATASIZE, CURDATA[0], CURDATA[1], CURDATA[2] ... CURDATA[n]
: 27th Line
; [DESIGN] nRCSTYPE, nSIZE, nSORT, nRVIEW, nPRIMARY, nRESRADIO, nRCDESIGN, nSTLDESIGN, nREBAR, nRVIEWBE
: 28th Line
; [DESIGN] nRCDESIGNSIZE
: 29th Line
; [DESIGN] MEMBK
: nth Line
; [DESIGN] dFLEXDIST[0], dFLEXDIST[1] ... dFLEXDIST[5], FLEXBAR1[0], FLEXBAR1[1] ... FLEXBAR1[5]...
; FLEXBAR2[0], FLEXBAR2[1] ... FLEXBAR2[5], FLEXNUM[0], FLEXNUM[1] ... FLEXNUM[5]...
; FLEXCTC[0], FLEXCTC[1] ... FLEXCTC[5]
: n+1th Line
; [DESIGN] SHEARBAR[0], SHEARBAR[1] ... SHEARBAR[5], dSHEARL[0], dSHEARL[1] ... dSHEARL[5]...
; dSHEARSPACING[0], dSHEARSPACING[1] ...
d S H E A R S P A C I N G [ 5 ] . . .
: n+2th Line
; [PUSHOVER] POLCK, nSTEPFORDEMAND, nSTEPFORDEMANDBYUSER, nUSERSTEP, C O N F I D E N C E F A C T O R ,
: (29+3*n)th Line
; bCOMPONENT[0], bCOMPONENT[1], bCOMPONENT[2], bCOMPONENT[3], bGETSTEP, nDL, nSD, nNC, nMODE
; [STORY] bRMF, dRMF, dDAF, dIMF, dSUF, dALR, dALR_CH, nFIXUSER, aBETA[0] ... aBETA[150]
: (29+3*n+1)th Line
; COMBINATION[0] ... COMBINATION[150], dANGLE, nDRIFT, nSTIFF, nMETHOD, NODEK[0], NODEK[1]
; bMETHODE[0] ... bMETHODE[7], NODEKEY[0] ... NODEKEY[2], bSAMESELNODE[0], bSAMESELNODE[1]
; aNODEKEY[0][0] ... aNODEKEY[2][150], bSAMEAVERAGE[0], bSAMEAVERAGE[1], bUPSTORYNODEK
*SECTION MANAGER-GROUP & PART : Section Manager - Group & Part
; SECT = NO, bSAMEJ
; : line 1
; GRPDJSIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE : line 2
; .....
; LOOP UTIL (GRPDJSIZE, GRPDJSIZE)
; :
; GROUPID, GROUPNAME, GROUPTYPE : line n
; .....
; LOOP UTIL (PARTISIZE, PARTJSIZE)
; :
; PARTTYPE, GROUPID, PARTNAME, PARTSHAPE, bSTIFFENER : line n
; LINESIZE, LINEINDEX[i]..... : line n
; .....
SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0
SECT=3, YES
0, 0, 0, 0
SECT=4, YES
0, 0, 0, 0
SECT=5, YES
0, 0, 0, 0
SECT=6, YES
0, 0, 0, 0
SECT=7, YES
0, 0, 0, 0
SECT=8, YES
0, 0, 0, 0
SECT=9, YES
0, 0, 0, 0
SECT=10, YES
0, 0, 0, 0
SECT=11, YES
0, 0, 0, 0
SECT=12, YES
0, 0, 0, 0
SECT=13, YES
0, 0, 0, 0
SECT=14, YES
0, 0, 0, 0
SECT=15, YES
0, 0, 0, 0
SECT=16, YES
0, 0, 0, 0
SECT=17, YES
0, 0, 0, 0
SECT=18, YES
0, 0, 0, 0
SECT=19, YES
0, 0, 0, 0
SECT=20, YES
0, 0, 0, 0
SECT=21, YES
0, 0, 0, 0
SECT=22, YES
0, 0, 0, 0
SECT=23, YES
0, 0, 0, 0
SECT=24, YES
0, 0, 0, 0
SECT=25, YES
0, 0, 0, 0
SECT=26, YES
0, 0, 0, 0
SECT=27, YES
0, 0, 0, 0
SECT=28, YES
0, 0, 0, 0
SECT=29, YES
0, 0, 0, 0
SECT=30, YES
0, 0, 0, 0
SECT=31, YES
0, 0, 0, 0
SECT=32, YES
0, 0, 0, 0
SECT=33, YES
0, 0, 0, 0
SECT=34, YES
0, 0, 0, 0
SECT=35, YES
0, 0, 0, 0
SECT=36, YES
0, 0, 0, 0
SECT=37, YES
0, 0, 0, 0
SECT=38, YES
0, 0, 0, 0
SECT=39, YES
0, 0, 0, 0
SECT=40, YES
0, 0, 0, 0
*ENDDATA

```

```

0, 0
SECT=16, YES
0, 0
SECT=17, YES
0, 0
SECT=18, YES
0, 0
SECT=19, YES
0, 0
SECT=20, YES
0, 0
SECT=21, YES
0, 0
SECT=22, YES
0, 0
SECT=23, YES
0, 0
SECT=24, YES
0, 0
SECT=25, YES
0, 0
SECT=26, YES
0, 0
SECT=27, YES
0, 0
SECT=28, YES
0, 0
SECT=29, YES
0, 0
SECT=30, YES
0, 0
SECT=31, YES
0, 0
SECT=32, YES
0, 0
SECT=33, YES
0, 0
SECT=34, YES
0, 0
SECT=35, YES
0, 0
SECT=36, YES
0, 0
SECT=37, YES
0, 0
SECT=38, YES
0, 0
SECT=39, YES
0, 0
SECT=40, YES
0, 0
*ENDDATA

```

※ 자세한 입력자료 및 출력자료는 CD참조