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; MIDAS/Civil Text(MCT) File.
; Date : 2015/4/21
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*VERSION
8.3.1
*UNIT : Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN , M, J, C
*STRUCTYPE : Structure Type
; ISTYP, IMASS, ISMAS, bMASSOFFSET,
bSELFWEIGHT, GRAV, TEMPER,
bALIGNBEAM, bALIGNSLAB, bROTIGID
0, 1, 1, NO, YES, 9.806, 0, NO, NO,
NO
*REBAR-MATL-CODE : Rebar Material
Code
; CONC_CODE, CONC_MDB, SRC_CODE,
SRC_MDB
KSCE-LSD12(RC), SD300,
KSCE-LSD12(RC), SD300
*NODE : Nodes
; iNO, X, Y, Z
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600, 75, -6.45, 0	668, 90, 6.45, 0	736, 415.36, -6.45, 0
601, 75, -3.225, 0	669, 380.24, -6.45, 0	737, 415.36, -3.225, 0
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606, 75, 0, 0	674, 380.3, -2.6, -10.195	742, 100, -2.6, -5.331666666666667
607, 75, 3.225, 0	675, 380.3, -2.6, -7.763333333333333	743, 420.36, -6.45, 0
608, 340.24, 2.6, -10.195	676, 380.3, -2.6, -5.331666666666667	744, 100, -2.6, -2.9
609, 340.24, 2.6, -7.763333333333333	677, 380.3, -2.6, -2.9	745, 20, -3.225, 0
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616, 80, -3.225, 0	684, 380.3, 2.6, -2.9	752, 100, 0, -2.9
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618, 345.24, -6.45, 0	686, 380.36, -3.225, 0	754, 420.36, 0, -1.6
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626, 350.24, 3.225, 0	694, 95, 3.225, 0	762, 420.36, 2.6, -2.9
627, 350.24, 6.45, 0	695, 95, 6.45, 0	763, 420.36, 3.225, 0
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632, 355.24, 6.45, 0	700, 100, -6.45, 0	768, 100, 2.6, -10.195
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809, 460.36, -3.225, 0	877, 115, -3.225, 0	33, BEAM , 2, 2, 530, 528, 0
810, 460.36, -2.6, -10.195	878, 115, 0, 0	34, BEAM , 2, 2, 537, 530, 0
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814, 20, -2.6, -2.9	882, 500.36, -6.45, 0	38, BEAM , 2, 3, 530, 237, 0
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816, 460.36, 0, -2.9	884, 500.36, 0, 0	40, BEAM , 2, 2, 745, 699, 0
817, 460.36, 0, -1.6	885, 500.36, 3.225, 0	41, BEAM , 1, 6, 765, 751, 0
818, 460.36, 0, -0.4	886, 500.36, 6.45, 0	42, BEAM , 1, 6, 767, 765, 0
819, 460.36, 0, 0	*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)	43, BEAM , 1, 6, 814, 767, 0
820, 100, 6.45, 0		44, BEAM , 2, 2, 228, 745, 0
821, 0.4, 6.45, 0		45, BEAM , 1, 5, 225, 827, 0
822, 460.36, 2.6, -10.195		46, BEAM , 1, 4, 226, 225, 0
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824, 460.36, 2.6, -5.331666666666667		
825, 460.36, 2.6, -2.9		
826, 460.36, 3.225, 0		
827, 20, 0, -2.9		
828, 105, -6.45, 0		
829, 460.36, 6.45, 0		
830, 105, -3.225, 0	1, BEAM , 2, 2, 696, 230, 0	
831, 105, 0, 0	2, BEAM , 2, 2, 702, 696, 0	
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854, 485.36, 0, 0		
855, 485.36, 3.225, 0		
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857, 490.36, -6.45, 0		

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762, BEAM , 2, 2, 644, 643, 0	796, BEAM , 2, 2, 687, 686, 0	830, BEAM , 2, 3, 717, 722, 0
763, BEAM , 2, 2, 645, 644, 0	797, BEAM , 2, 2, 688, 687, 0	831, BEAM , 2, 1, 718, 723, 0
764, BEAM , 2, 2, 646, 645, 0	798, BEAM , 2, 2, 689, 688, 0	832, BEAM , 2, 3, 719, 724, 0
765, BEAM , 2, 2, 647, 646, 0	799, BEAM , 2, 1, 685, 692, 0	833, BEAM , 2, 1, 720, 725, 0
766, BEAM , 2, 1, 643, 648, 0	800, BEAM , 2, 1, 687, 698, 0	834, BEAM , 2, 2, 722, 721, 0
767, BEAM , 2, 3, 644, 649, 0	801, BEAM , 2, 1, 689, 703, 0	835, BEAM , 2, 2, 723, 722, 0
768, BEAM , 2, 1, 645, 650, 0	802, BEAM , 2, 3, 686, 707, 0	836, BEAM , 2, 2, 724, 723, 0
769, BEAM , 2, 3, 646, 651, 0	803, BEAM , 2, 3, 688, 709, 0	837, BEAM , 2, 2, 725, 724, 0
770, BEAM , 2, 1, 647, 652, 0	804, BEAM , 2, 1, 692, 706, 0	838, BEAM , 2, 1, 721, 726, 0
771, BEAM , 2, 2, 649, 648, 0	805, BEAM , 2, 1, 698, 708, 0	839, BEAM , 2, 3, 722, 727, 0
772, BEAM , 2, 2, 650, 649, 0	806, BEAM , 2, 1, 703, 710, 0	840, BEAM , 2, 1, 723, 728, 0
773, BEAM , 2, 2, 651, 650, 0	807, BEAM , 2, 2, 707, 706, 0	841, BEAM , 2, 3, 724, 729, 0
774, BEAM , 2, 2, 652, 651, 0	808, BEAM , 2, 2, 708, 707, 0	842, BEAM , 2, 1, 725, 730, 0
775, BEAM , 2, 1, 648, 655, 0	809, BEAM , 2, 2, 709, 708, 0	843, BEAM , 2, 2, 727, 726, 0
776, BEAM , 2, 1, 650, 661, 0	810, BEAM , 2, 2, 710, 709, 0	844, BEAM , 2, 2, 728, 727, 0
777, BEAM , 2, 1, 652, 666, 0	811, BEAM , 2, 1, 706, 711, 0	845, BEAM , 2, 2, 729, 728, 0
778, BEAM , 2, 3, 649, 670, 0	812, BEAM , 2, 3, 707, 712, 0	846, BEAM , 2, 2, 730, 729, 0
779, BEAM , 2, 3, 651, 672, 0	813, BEAM , 2, 1, 708, 713, 0	847, BEAM , 2, 1, 726, 731, 0
780, BEAM , 2, 1, 655, 669, 0	814, BEAM , 2, 3, 709, 714, 0	848, BEAM , 2, 3, 727, 732, 0
781, BEAM , 2, 1, 661, 671, 0	815, BEAM , 2, 1, 710, 715, 0	849, BEAM , 2, 1, 728, 733, 0
782, BEAM , 2, 1, 666, 673, 0	816, BEAM , 2, 2, 712, 711, 0	850, BEAM , 2, 3, 729, 734, 0
783, BEAM , 2, 2, 670, 669, 0	817, BEAM , 2, 2, 713, 712, 0	851, BEAM , 2, 1, 730, 735, 0
784, BEAM , 2, 2, 671, 670, 0	818, BEAM , 2, 2, 714, 713, 0	852, BEAM , 2, 2, 732, 731, 0
785, BEAM , 2, 2, 672, 671, 0	819, BEAM , 2, 2, 715, 714, 0	853, BEAM , 2, 2, 733, 732, 0
786, BEAM , 2, 2, 673, 672, 0	820, BEAM , 2, 1, 711, 716, 0	854, BEAM , 2, 2, 734, 733, 0
787, BEAM , 1, 6, 675, 674, 0	821, BEAM , 2, 3, 712, 717, 0	855, BEAM , 2, 2, 735, 734, 0
788, BEAM , 1, 6, 676, 675, 0	822, BEAM , 2, 1, 713, 718, 0	856, BEAM , 2, 1, 731, 736, 0
789, BEAM , 1, 6, 677, 676, 0	823, BEAM , 2, 3, 714, 719, 0	857, BEAM , 2, 3, 732, 737, 0
790, BEAM , 1, 5, 679, 678, 0	824, BEAM , 2, 1, 715, 720, 0	858, BEAM , 2, 1, 733, 738, 0
791, BEAM , 1, 4, 680, 679, 0	825, BEAM , 2, 2, 717, 716, 0	859, BEAM , 2, 3, 734, 739, 0
792, BEAM , 1, 6, 682, 681, 0	826, BEAM , 2, 2, 718, 717, 0	860, BEAM , 2, 1, 735, 740, 0
793, BEAM , 1, 6, 683, 682, 0	827, BEAM , 2, 2, 719, 718, 0	861, BEAM , 2, 2, 737, 736, 0
794, BEAM , 1, 6, 684, 683, 0	828, BEAM , 2, 2, 720, 719, 0	862, BEAM , 2, 2, 738, 737, 0
795, BEAM , 2, 2, 686, 685, 0	829, BEAM , 2, 1, 716, 721, 0	863, BEAM , 2, 2, 739, 738, 0

864, BEAM , 2, 2, 740, 739, 0	898, BEAM , 2, 2, 777, 776, 0	932, BEAM , 2, 2, 795, 794, 0
865, BEAM , 2, 1, 736, 743, 0	899, BEAM , 2, 2, 778, 777, 0	933, BEAM , 2, 2, 796, 795, 0
866, BEAM , 2, 3, 737, 746, 0	900, BEAM , 2, 1, 774, 779, 0	934, BEAM , 2, 2, 797, 796, 0
867, BEAM , 2, 1, 738, 756, 0	901, BEAM , 2, 3, 775, 780, 0	935, BEAM , 2, 2, 798, 797, 0
868, BEAM , 2, 3, 739, 763, 0	902, BEAM , 2, 1, 776, 781, 0	936, BEAM , 2, 1, 794, 799, 0
869, BEAM , 2, 1, 740, 766, 0	903, BEAM , 2, 3, 777, 782, 0	937, BEAM , 2, 3, 795, 800, 0
870, BEAM , 2, 2, 746, 743, 0	904, BEAM , 2, 1, 778, 783, 0	938, BEAM , 2, 1, 796, 801, 0
871, BEAM , 1, 6, 748, 747, 0	905, BEAM , 2, 2, 780, 779, 0	939, BEAM , 2, 3, 797, 802, 0
872, BEAM , 1, 6, 749, 748, 0	906, BEAM , 2, 2, 781, 780, 0	940, BEAM , 2, 1, 798, 803, 0
873, BEAM , 1, 6, 750, 749, 0	907, BEAM , 2, 2, 782, 781, 0	941, BEAM , 2, 2, 800, 799, 0
874, BEAM , 2, 2, 756, 746, 0	908, BEAM , 2, 2, 783, 782, 0	942, BEAM , 2, 2, 801, 800, 0
875, BEAM , 1, 5, 754, 753, 0	909, BEAM , 2, 1, 779, 784, 0	943, BEAM , 2, 2, 802, 801, 0
876, BEAM , 1, 4, 755, 754, 0	910, BEAM , 2, 3, 780, 785, 0	944, BEAM , 2, 2, 803, 802, 0
877, BEAM , 2, 2, 763, 756, 0	911, BEAM , 2, 1, 781, 786, 0	945, BEAM , 2, 1, 799, 806, 0
878, BEAM , 1, 6, 760, 759, 0	912, BEAM , 2, 3, 782, 787, 0	946, BEAM , 2, 3, 800, 809, 0
879, BEAM , 1, 6, 761, 760, 0	913, BEAM , 2, 1, 783, 788, 0	947, BEAM , 2, 1, 801, 819, 0
880, BEAM , 1, 6, 762, 761, 0	914, BEAM , 2, 2, 785, 784, 0	948, BEAM , 2, 3, 802, 826, 0
881, BEAM , 2, 2, 766, 763, 0	915, BEAM , 2, 2, 786, 785, 0	949, BEAM , 2, 1, 803, 829, 0
882, BEAM , 2, 1, 743, 769, 0	916, BEAM , 2, 2, 787, 786, 0	950, BEAM , 2, 2, 809, 806, 0
883, BEAM , 2, 3, 746, 770, 0	917, BEAM , 2, 2, 788, 787, 0	951, BEAM , 1, 6, 811, 810, 0
884, BEAM , 2, 1, 756, 771, 0	918, BEAM , 2, 1, 784, 789, 0	952, BEAM , 1, 6, 812, 811, 0
885, BEAM , 2, 3, 763, 772, 0	919, BEAM , 2, 3, 785, 790, 0	953, BEAM , 1, 6, 813, 812, 0
886, BEAM , 2, 1, 766, 773, 0	920, BEAM , 2, 1, 786, 791, 0	954, BEAM , 2, 2, 819, 809, 0
887, BEAM , 2, 2, 770, 769, 0	921, BEAM , 2, 3, 787, 792, 0	955, BEAM , 1, 5, 817, 816, 0
888, BEAM , 2, 2, 771, 770, 0	922, BEAM , 2, 1, 788, 793, 0	956, BEAM , 1, 4, 818, 817, 0
889, BEAM , 2, 2, 772, 771, 0	923, BEAM , 2, 2, 790, 789, 0	957, BEAM , 2, 2, 826, 819, 0
890, BEAM , 2, 2, 773, 772, 0	924, BEAM , 2, 2, 791, 790, 0	958, BEAM , 1, 6, 823, 822, 0
891, BEAM , 2, 1, 769, 774, 0	925, BEAM , 2, 2, 792, 791, 0	959, BEAM , 1, 6, 824, 823, 0
892, BEAM , 2, 3, 770, 775, 0	926, BEAM , 2, 2, 793, 792, 0	960, BEAM , 1, 6, 825, 824, 0
893, BEAM , 2, 1, 771, 776, 0	927, BEAM , 2, 1, 789, 794, 0	961, BEAM , 2, 2, 829, 826, 0
894, BEAM , 2, 3, 772, 777, 0	928, BEAM , 2, 3, 790, 795, 0	962, BEAM , 2, 1, 806, 832, 0
895, BEAM , 2, 1, 773, 778, 0	929, BEAM , 2, 1, 791, 796, 0	963, BEAM , 2, 3, 809, 833, 0
896, BEAM , 2, 2, 775, 774, 0	930, BEAM , 2, 3, 792, 797, 0	964, BEAM , 2, 1, 819, 834, 0
897, BEAM , 2, 2, 776, 775, 0	931, BEAM , 2, 1, 793, 798, 0	965, BEAM , 2, 3, 826, 835, 0

966, BEAM , 2, 1, 829, 836, 0	1000, BEAM , 2, 1, 849, 854, 0	1034, BEAM , 2, 2, 884, 883, 0
967, BEAM , 2, 2, 833, 832, 0	1001, BEAM , 2, 3, 850, 855, 0	1035, BEAM , 2, 2, 885, 884, 0
968, BEAM , 2, 2, 834, 833, 0	1002, BEAM , 2, 1, 851, 856, 0	1036, BEAM , 2, 2, 886, 885, 0
969, BEAM , 2, 2, 835, 834, 0	1003, BEAM , 2, 2, 853, 852, 0	*GROUP ; Group
970, BEAM , 2, 2, 836, 835, 0	1004, BEAM , 2, 2, 854, 853, 0	; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
971, BEAM , 2, 1, 832, 837, 0	1005, BEAM , 2, 2, 855, 854, 0	받침부1 , 228to230 237 241to245 262
972, BEAM , 2, 3, 833, 838, 0	1006, BEAM , 2, 2, 856, 855, 0	315 318 328 335 338 378 381 391 398 W
973, BEAM , 2, 1, 834, 839, 0	1007, BEAM , 2, 1, 852, 857, 0	401 444 449 455to459 471to475 482
974, BEAM , 2, 3, 835, 840, 0	1008, BEAM , 2, 3, 853, 858, 0	527 529 531 532 542 549 552 592 595 W
975, BEAM , 2, 1, 836, 841, 0	1009, BEAM , 2, 1, 854, 859, 0	605 612 615 669to673 685to689 696
976, BEAM , 2, 2, 838, 837, 0	1010, BEAM , 2, 3, 855, 860, 0	699 700 702 704 743 745 746 756 763 W
977, BEAM , 2, 2, 839, 838, 0	1011, BEAM , 2, 1, 856, 861, 0	764 766 806 808 809 815 819 820
978, BEAM , 2, 2, 840, 839, 0	1012, BEAM , 2, 2, 858, 857, 0	826 829 882to886, 1to4 40 44 47 51 W
979, BEAM , 2, 2, 841, 840, 0	1013, BEAM , 2, 2, 859, 858, 0	120to870by250 124to874by250
980, BEAM , 2, 1, 837, 842, 0	1014, BEAM , 2, 2, 860, 859, 0	127to877by250 131to881by250
981, BEAM , 2, 3, 838, 843, 0	1015, BEAM , 2, 2, 861, 860, 0	200to950by250 W
982, BEAM , 2, 1, 839, 844, 0	1016, BEAM , 2, 1, 857, 862, 0	204to954by250 207to957by250
983, BEAM , 2, 3, 840, 845, 0	1017, BEAM , 2, 3, 858, 863, 0	211to961by250 283to286 533to536 545to548
984, BEAM , 2, 1, 841, 846, 0	1018, BEAM , 2, 1, 859, 864, 0	W
985, BEAM , 2, 2, 843, 842, 0	1019, BEAM , 2, 3, 860, 865, 0	783to786 795to798 1033to1036, 0
986, BEAM , 2, 2, 844, 843, 0	1020, BEAM , 2, 1, 861, 866, 0	경간 , 241to245 257to261 455to459
987, BEAM , 2, 2, 845, 844, 0	1021, BEAM , 2, 2, 863, 862, 0	471to475 669to673 685to689, 283to286 W
988, BEAM , 2, 2, 846, 845, 0	1022, BEAM , 2, 2, 864, 863, 0	295to298 533to536 545to548
989, BEAM , 2, 1, 842, 847, 0	1023, BEAM , 2, 2, 865, 864, 0	783to786 795to798, 0
990, BEAM , 2, 3, 843, 848, 0	1024, BEAM , 2, 2, 866, 865, 0	받침부2 , 228to230 241 243 245 262
991, BEAM , 2, 1, 844, 849, 0	1025, BEAM , 2, 1, 862, 869, 0	315 328 338 378 391 401 444 455 457 459
992, BEAM , 2, 3, 845, 850, 0	1026, BEAM , 2, 1, 864, 874, 0	W
993, BEAM , 2, 1, 846, 851, 0	1027, BEAM , 2, 1, 866, 879, 0	471 473 475 482 529 531 542 552
994, BEAM , 2, 2, 848, 847, 0	1028, BEAM , 2, 3, 863, 883, 0	592 605 615 669 671 673 685 687 689 699
995, BEAM , 2, 2, 849, 848, 0	1029, BEAM , 2, 3, 865, 885, 0	W
996, BEAM , 2, 2, 850, 849, 0	1030, BEAM , 2, 1, 869, 882, 0	700 702 743 756 764 766 806 819
997, BEAM , 2, 2, 851, 850, 0	1031, BEAM , 2, 1, 874, 884, 0	820 829 882 884 886, 5to7 10to12 W
998, BEAM , 2, 1, 847, 852, 0	1032, BEAM , 2, 1, 879, 886, 0	299to301 304to306 549to551
999, BEAM , 2, 3, 848, 853, 0	1033, BEAM , 2, 2, 883, 882, 0	554to556 799to801 804to806, 0
		받침부3 , 226to228 232to874by214 233
		238 262 264 269 270 275 315 327 328 W
		338 378 390 391 401 441 444 447
		452 478 481to484 489 529 531 538 541 542
		W
		552 592 604 605 615 655 661 666
		692 697to701 703 743 755 756 758 764 766
		W
		806 818to821 829 869 879, , 0
		코핑부 , 226 252 327 390 466 481
		541 604 680 755 758 818, , 0
		받침부4 , 1to204 226to228
		232to874by214 233 238 262 264 269 270
		275 315 W
		327 328 338 378 390 391 401 441
		444 447 452 478 481to484 489 529 531 538
		W
		541 542 552 592 604 605 615 655
		661 666 692 697to701 703 743 755 756 758
		W
		764 766 806 818to821 829 869 879, , 0
		받침링크 , 1to204, , 0
		RI 1 , 1to193by12 2to194by12
		3to195by12 4to196by12 227to869by214 264
		W
		315 378 444 478 529 592 692
		699to701 743 806, , 0
		RI 2 , 9to201by12 10to202by12
		11to203by12 12to204by12 238 262 275 338

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W
401 452 489 531 552 615 666 703
766 820 821 829 879, , 0
RI 3 , 5to197by12 6to198by12
7to199by12 8to200by12 226 228 W
232to874by214 233 269 270 327 328
390 391 447 481to484 538 541 542 604 W
605 661 697 698 755 756 758 764
818 819, , 0
*MATERIAL : Material
; IMAT, TYPE, MNAME, SPHEAT, HEATCO,
PLAST, TUNIT, bMASS, DAMPRATIO,
[DATA1] : STEEL, CONC, USER
; IMAT, TYPE, MNAME, SPHEAT, HEATCO,
PLAST, TUNIT, bMASS, DAMPRATIO,
[DATA2], [DATA2] : SRC
; [DATA1] : 1, DB, NAME, CODE
; [DATA1] : 2, ELAST, POISN, THERMAL,
DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy,
Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS ;
Orthotropic
; [DATA2] : 1, DB, NAME, CODE or 2,
ELAST, POISN, THERMAL, DEN, MASS
1, CONC , C21 , 0, 0, ,
C, YES, 0.05, 1, KSCE-LSD12(RC),
, C21
2, STEEL, SM490 , 0, 0, ,
C, YES, 0.05, 1, KSCE-LSD12(S),
, SM490
*MATL-COLOR
; IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B,
HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0,
0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0,
0, 255, NO, 0.5
*SECTION : Section
; ISEC, TYPE, SNAME, [OFFSET], bSD,
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)
; 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], WI, WJ, bSYM, bSIDEHOLE
; 3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH,
[CMPPWEB-I], [CMPPWEB-J]
; 3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE,
bUSERINPSTIFF, [STIFF-I], [STIFF-J]
; 4th line(STYPE=PSC)
; [SIZE-A]-i
; 5th
; [SIZE-B]-i
; 6th
; [SIZE-C]-i
; 7th
; [SIZE-D]-i
; 8th
; [SIZE-A]-j
; 9th
; [SIZE-B]-j
; 10th
; [SIZE-C]-j
; 11th
; [SIZE-D]-j
; 12th
; 13th
; 14th
; 15th
; 16th
; 17th
; 18th
; 19th
; 20th
; 21st line - COMPOSITE-SB
; 22nd 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,
S H A P E
; 1st line - COMPOSITE-SI
; Hw, tw, B, Bf1, 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 ;
3rd line
; ISEC, TYPE, SNAME, [OFFSET], bSD,

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S      H      A      P      E      : [CMPWEB] : EFD, LRF, A, B, H, T      ; 1st line - COMBINED
; 1st line - COMPOSITE-CI/CT      1, COMPOSITE , STB      , ; iSEC, TYPE, SNAME, [OFFSET], bSD,
;      OPT1, OPT2, [JOINT]      CB, 0, 0, 0, 0, 0, 0, YES, B      SHAPE, 2, D11, D12, D13, D14, D15, D21,
;      ; 2nd      1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, D22, D23, D24
line      0.016      ; iSEC, TYPE, SNAME, [OFFSET2], bSD,
;      [SIZE-A]      1, 0, 0, 0, 3, 4      SHAPE, iyVAR, izVAR, STYPE
;      ; 3rd line      1, 1, 0, 0.2, 0.01, 0, 0, 0, 0, 0, 0 ; 1st line - TAPERED
;      [SIZE-B]      0      ;      DB, NAME1, NAME2
;      ; 4th line      0      ;      ; 2nd
;      [SIZE-C]      3, 0.55, 0, YES, 0.55, 0, YES, 0.55, line(STYPE=DB)
;      ; 5th line      0, YES      ;      [DIM1], [DIM2]
;      [SIZE-D]      4, 0.44, 0, YES, 0.44, 0, YES, 0.44, ;      ; 2nd
;      ; 6th line      0, YES, 0.44, 0, YES      line(STYPE=USER)
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb,      17.5, 3, 6.45, 6.45, 0.3, 0.01, ; D11, D12, D13, D14, D15, D16, D17,
DgdDsb, Pgd, Psb      ; 7.68337, 3.13991, 0.3, 0.18, NO, , D18 ; 2nd
7th line      2, DBUSER , 크로스(횡) , CB, line(STYPE=VALUE)
; iSEC, TYPE, SNAME, [OFFSET], bSD, 0, 0, 0, 0, 1, 1.2, YES, H , 2, 1.2, 0.3, ; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
S      H      A      P      E      0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0 ;      ; 3rd
; 1st line - PSC      3, DBUSER , 크로스(종) , CB, line(STYPE=VALUE)
;      OPT1, OPT2, [JOINT] 0, 0, 0, 0, 1, 1.3, YES, H , 2, 0.8, 0.3, ;      CyP1, CyM1, CzP1, CzM1, QyB1,
;      ; 2nd      0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0 QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
line      4, DBUSER , COP1 , 4th line(STYPE=VALUE)
;      bSHEARCHK, [SCHK], [WT], WIDTH, CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 16, 0, ; Y11, Y12, Y13, Y14, Z11, Z12, Z13,
bSYM, bSIDEHOLE      ; 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 ; Z14, Zyy1, Zyy2 ; 5th
3rd line      5, TAPERED , COP2 , line(STYPE=VALUE)
;      bUSERDEFMESH SIZE, MESH SIZE, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, ; D21, D22, D23, D24, D25, D26, D27,
bUSERINPSTIFF, [STIFF] USER      D28 ; 6th
; 4th line      2, 16, 0, 0, 0, 0, 0, 0, 0, 2, 7.2, 0, 0, line(STYPE=VALUE)
;      [SIZE-A] 0, 0, 0, 0 ;      AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
;      ; 5th line      6, DBUSER , PIER , CC, ;      ; 7th
;      [SIZE-B] 0, 0, 0, 0, 0, 0, YES, SR , 2, 2, 0, 0, 0, 0, line(STYPE=VALUE)
;      ; 6th line      0, 0, 0, 0, 0 ;      CyP2, CyM2, CzP2, CzM2, QyB2,
;      [SIZE-C] *SECT-COLOR      QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
;      ; 7th line      iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, 8th line(STYPE=VALUE)
;      [SIZE-D] HE_R, HE_G, HE_B, bBLEND, FACT ;      Y21, Y22, Y23, Y24, Z21, Z22, Z23,
;      ; 8th line      1, 255, 0, 0, 0, 255, 0, 0, Z24, Zyy2, Zzz2 ; 9th
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, 0, 255, NO, 0.5 ; line(STYPE=VALUE)
D4, D5, D6, D7, D8, D9, D10      2, 255, 0, 0, 0, 255, 0, 0, ;      OPT1, OPT2, [JOINT]
; [DATA2] : CCSHAPE or ICEL or iN1, iN2      0, 255, NO, 0.5 ;      ; 2nd
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, 3, 255, 0, 0, 0, 255, 0, 0, line(STYPE=PSC)
D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, 0, 255, NO, 0.5 ;      ELAST, DEN, POIS, POIC
iN2      4, 255, 0, 0, 0, 255, 0, 0, ;      ; 2nd
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, 0, 255, NO, 0.5 ; line(STYPE=PSC-CMPW)
D7, D8      5, 255, 0, 0, 0, 255, 0, 0, ;      bSHEARCHK, [SCHK-I], [SCHK-J],
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, 0, 255, NO, 0.5 ; [WT-I], [WT-J], Wl, WJ, bSYM, bSIDEHOLE
HUSER, iVERT, VUSER      6, 255, 0, 0, 0, 255, 0, 0, ; 3rd line(STYPE=PSC)
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, 0, 255, NO, 0.5 ;      bSHEARCHK, bSYM, bHUNCH,
HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ *DGN-SECT      [CMPWEB-I], [CMPWEB-J]
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), iSEC, TYPE, SNAME, [OFFSET], bSD, ; 3rd line(STYPE=PSC-CMPW)
9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), SHAPE, [DATA1], [DATA2] ;      bUSERDEFMESH SIZE, MESH SIZE,
0(nCELL), 2(nCEL2) ; 1st line - DB/USER      bUSERINPSTIFF, [STIFF-I], [STIFF-J]
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), iSEC, TYPE, SNAME, [OFFSET], bSD, ; 4th line(STYPE=PSC)
10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), SHAPE, BLT, D1, ..., D8, iCEL ;      [SIZE-A]-i
5(nCELL), 11(nCEL2) 1st line - VALUE ;      ; 5th
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), ;      AREA, ASy, ASz, lxx, lyy, lzz line(STYPE=PSC)
6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), ;      ; 2nd line      [SIZE-B]-i
8(nCELL), 18(nCEL2) ;      CyP, CyM, CzP, CzM, QyB, QzB, ;      ; 6th
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), PERI_OUT, PERI_IN, Cy, Cz ; line(STYPE=PSC)
9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 3rd line ;      [SIZE-C]-i
0(nCELL), 11(nCEL2) ;      Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, ;      ; 7th
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), Zzz ; 4th line line(STYPE=PSC)
6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), ; iSEC, TYPE, SNAME, [OFFSET], bSD, ;      [SIZE-D]-i
0(nCELL), 18(nCEL2) SHAPE, ELAST, DEN, POIS, POIC, SF ;      ; 8th
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz ; 1st line - SRC line(STYPE=PSC)
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3 ;      D1, D2, [SRC] ;      [SIZE-A]-j
; [WT] : bAUTO_TOR, TOR, ; 2nd line ;      ; 9th
bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, ; iSEC, TYPE, SNAME, [OFFSET], bSD, line(STYPE=PSC)
bAUTO_SHR3, SHR3 ; SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;      [SIZE-B]-j

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; 10th 4th line 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB),
line(STYPE=PSC) ; ISEC, TYPE, SNAME, [OFFSET], bSD, 0(nCELL), 11(nCEL2)
; [SIZE-C]-j S H A P E ; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL),
; 11th ; 1st line - COMPOSITE-SI 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB),
line(STYPE=PSC) ; Hw, tw, B, tf1, B2, tf2 0(nCELL), 18(nCEL2)
; [SIZE-D]-j ; 2nd line ; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
; 12th ; SW, GN, CTC, Bc, Tc, Hh, EsEc, ; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
line(STYPE=PSC) ; DsDc, Ps, Pc, bMulti, Elong, Esh ; [WT] : bAUTO_TOR, TOR,
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, 3rd line bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2,
Ps, Pc, bMULTI, EsEc-L, EsEc-S ; ISEC, TYPE, SNAME, [OFFSET], bSD, bAUTO_SHR3, SHR3
2nd line(STYPE=CMP-B/I) S H A P E ; [CMPWEB] : EFD, LRF, A, B, H, T
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, ; 1st line - COMPOSITE-CI/CT 1, COMPOSITE, STB,
B2_j, Bf2_j, tf2_j ; 3rd ; OPT1, OPT2, [JOINT] CB, 0, 0, 0, 0, 0, YES, B
line(STYPE=CMP-B/I) ; 2nd ; 1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1,
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, line 0.016
B2_j, Bf2_j, tf2_j ; 4th ; [SIZE-A] 1, 0, 0, 0, 3, 4
line(STYPE=CMP-B/I) ; 3rd line 1, 1, 0, 0.2, 0.01, 0, 0, 0, 0, 0, 0
; N1, N2, Hr, Hr2, tr1, tr2 ; [SIZE-B] 0
; 5th ; 4th line 0
line(STYPE=CMP-B) ; [SIZE-C] 3, 0.55, 0, YES, 0.55, 0, YES, 0.55,
; GN, CTC, Bc, Tc, Hh, EgDsb, ; 5th line 0, YES
DgdDsb, Pgd, Psb, bSYM, SW_j, SW_j ; [SIZE-D] 4, 0.44, 0, YES, 0.44, 0, YES, 0.44,
; 2nd line(STYPE=CMP-CI/CT) ; 6th line 0, YES, 0.44, 0, YES
; OPT1, OPT2, [JOINT] ; SW, GN, CTC, Bc, Tc, Hh, EgDsb, 17.5, 3, 6.45, 6.45, 0.3, 0.01,
; 3rd ; DgdDsb, Pgd, Psb ; 7.68337, 3.13991, 0.3, 0.18, NO, ,
line(STYPE=CMP-CI/CT) 7th line 2, DBUSER, 크로스(횡), CB,
; [SIZE-A]-i ; ISEC, TYPE, SNAME, [OFFSET], bSD, 0, 0, 0, 0, 1, 1.2, YES, H, 2, 1.2, 0.3,
; 4th S H A P E 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
line(STYPE=CMP-CI/CT) ; 1st line - PSC 3, DBUSER, 크로스(종), CB,
; [SIZE-B]-i ; OPT1, OPT2, [JOINT] 0, 0, 0, 0, 1, 1.3, YES, H, 2, 0.8, 0.3,
; 5th ; 2nd 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
line(STYPE=CMP-CI/CT) line 4, DBUSER, COP1,
; [SIZE-C]-i ; bSHEARCHK, [SCHK], [WT], WIDTH, CC, 0, 0, 0, 0, 0, 0, YES, SB, 2, 2, 16, 0,
; 6th bSYM, bSIDEHOLE ; 0, 0, 0, 0, 0, 0, 0
line(STYPE=CMP-CI/CT) 3rd line 5, TAPERED, COP2,
; [SIZE-D]-i ; bUSERDEFMESH SIZE, MESH SIZE, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB, 1, 1,
; 7th bUSERINPSTIFF, [STIFF] USER
line(STYPE=CMP-CI/CT) ; 4th line 2, 16, 0, 0, 0, 0, 0, 0, 2, 7.2, 0, 0,
; [SIZE-A]-j ; [SIZE-A] 0, 0, 0, 0
; 8th ; 5th line 6, DBUSER, PIER, CC,
line(STYPE=CMP-CI/CT) ; [SIZE-B] 0, 0, 0, 0, 0, 0, YES, SR, 2, 2, 0, 0, 0, 0,
; [SIZE-B]-j ; 6th line 0, 0, 0, 0, 0
; 9th ; [SIZE-C] *STLDCASE ; Static Load Cases
line(STYPE=CMP-CI/CT) ; 7th line ; LCNAME, LCTYPE, DESC
; [SIZE-C]-j ; [SIZE-D] 고정하중, USER,
; 10th ; 8th line *CONSTRAINT ; Supports
line(STYPE=CMP-CI/CT) ; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, ; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz),
; [SIZE-D]-j D4, D5, D6, D7, D8, D9, D10 GROUP
; 11th ; [DATA2] : CCSHAPE or iCEL or iN1, iN2 1to11by2 193to203by2 231 246 253 319
line(STYPE=CMP-CI/CT) ; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, 331 382 394 450 460 467 487, 111111,
; ISEC, TYPE, SNAME, [OFFSET], bSD, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, 533 545 596 608 674 681 705 747 751
STYLE1, STYLE2 iN2 759 768 810 822, 111111,
; 1st line - CONSTRUCT ; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, *ELASTICLINK
; SHAPE, ...(same with other type data ; D7, D8 ; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx,
from shape) ; Before ; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy,
(STYPE1) HUSER, iVERT, VUSER DRz, GROUP ; GEN
; SHAPE, ...(same with other type data ; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, ; iNO, iNODE1, iNODE2, LINK, ANGLE,
from shape) ; After HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ bSHEAR, DRy, DRz, GROUP
(STYPE2) ; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), ; RIGID
; ISEC, TYPE, SNAME, [OFFSET], bSD, 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), ; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx,
S H A P E 0(nCELL), 2(nCEL2) bSHEAR, DRy, DRz, GROUP
; 1st line - COMPOSITE-SB ; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), ; TENS,COMP
; Hw, tw, B, Bf1, B2, Bf2, tf2 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB),
; 2nd line 5(nCELL), 11(nCEL2)
; N1, N2, Hr, Hr2, tr1, tr2 ; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL),
; 3rd line 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB),
; SW, GN, CTC, Bc, Tc, Hh, EsEc, 8(nCELL), 18(nCEL2)
DsDc, Ps, Pc, bMulti, Elong, Esh ; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),

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104, 0.5,	16,	699, RIGID,	0, NO, 0.5,	138, 0.5,	24,	262, RIGID,	0, NO, 0.5,	172, 0.5,	20,	228, RIGID,	0, NO, 0.5,
105, 0.5,	28,	444, RIGID,	0, NO, 0.5,	139, 0.5,	36,	531, RIGID,	0, NO, 0.5,	173, 0.5,	32,	482, RIGID,	0, NO, 0.5,
106, 0.5,	40,	700, RIGID,	0, NO, 0.5,	140, 0.5,	48,	820, RIGID,	0, NO, 0.5,	174, 0.5,	44,	764, RIGID,	0, NO, 0.5,
107, 0.5,	52,	227, RIGID,	0, NO, 0.5,	141, 0.5,	60,	238, RIGID,	0, NO, 0.5,	175, 0.5,	56,	233, RIGID,	0, NO, 0.5,
108, 0.5,	64,	264, RIGID,	0, NO, 0.5,	142, 0.5,	72,	275, RIGID,	0, NO, 0.5,	176, 0.5,	68,	270, RIGID,	0, NO, 0.5,
109, 0.5,	76,	315, RIGID,	0, NO, 0.5,	143, 0.5,	84,	338, RIGID,	0, NO, 0.5,	177, 0.5,	80,	328, RIGID,	0, NO, 0.5,
110, 0.5,	88,	378, RIGID,	0, NO, 0.5,	144, 0.5,	96,	401, RIGID,	0, NO, 0.5,	178, 0.5,	92,	391, RIGID,	0, NO, 0.5,
111, 0.5,	100,	441, RIGID,	0, NO, 0.5,	145, 0.5,	108,	452, RIGID,	0, NO, 0.5,	179, 0.5,	104,	447, RIGID,	0, NO, 0.5,
112, 0.5,	112,	478, RIGID,	0, NO, 0.5,	146, 0.5,	120,	489, RIGID,	0, NO, 0.5,	180, 0.5,	116,	484, RIGID,	0, NO, 0.5,
113, 0.5,	124,	529, RIGID,	0, NO, 0.5,	147, 0.5,	132,	552, RIGID,	0, NO, 0.5,	181, 0.5,	128,	542, RIGID,	0, NO, 0.5,
114, 0.5,	136,	592, RIGID,	0, NO, 0.5,	148, 0.5,	144,	615, RIGID,	0, NO, 0.5,	182, 0.5,	140,	605, RIGID,	0, NO, 0.5,
115, 0.5,	148,	655, RIGID,	0, NO, 0.5,	149, 0.5,	156,	666, RIGID,	0, NO, 0.5,	183, 0.5,	152,	661, RIGID,	0, NO, 0.5,
116, 0.5,	160,	692, RIGID,	0, NO, 0.5,	150, 0.5,	168,	703, RIGID,	0, NO, 0.5,	184, 0.5,	164,	698, RIGID,	0, NO, 0.5,
117, 0.5,	172,	743, RIGID,	0, NO, 0.5,	151, 0.5,	180,	766, RIGID,	0, NO, 0.5,	185, 0.5,	176,	756, RIGID,	0, NO, 0.5,
118, 0.5,	184,	806, RIGID,	0, NO, 0.5,	152, 0.5,	192,	829, RIGID,	0, NO, 0.5,	186, 0.5,	188,	819, RIGID,	0, NO, 0.5,
119, 0.5,	196,	869, RIGID,	0, NO, 0.5,	153, 0.5,	204,	879, RIGID,	0, NO, 0.5,	187, 0.5,	200,	874, RIGID,	0, NO, 0.5,
120, 0.5,	701,	2, RIGID,	0, NO, 0.5,	154, 0.5,	821,	10, RIGID,	0, NO, 0.5,	188, 0.5,	538,	6, RIGID,	0, NO, 0.5,
121, 0.5,	699,	14, RIGID,	0, NO, 0.5,	155, 0.5,	262,	22, RIGID,	0, NO, 0.5,	189, 0.5,	228,	18, RIGID,	0, NO, 0.5,
122, 0.5,	444,	26, RIGID,	0, NO, 0.5,	156, 0.5,	531,	34, RIGID,	0, NO, 0.5,	190, 0.5,	482,	30, RIGID,	0, NO, 0.5,
123, 0.5,	700,	38, RIGID,	0, NO, 0.5,	157, 0.5,	820,	46, RIGID,	0, NO, 0.5,	191, 0.5,	764,	42, RIGID,	0, NO, 0.5,
124, 0.5,	227,	50, RIGID,	0, NO, 0.5,	158, 0.5,	238,	58, RIGID,	0, NO, 0.5,	192, 0.5,	233,	54, RIGID,	0, NO, 0.5,
125, 0.5,	264,	62, RIGID,	0, NO, 0.5,	159, 0.5,	275,	70, RIGID,	0, NO, 0.5,	193, 0.5,	270,	66, RIGID,	0, NO, 0.5,
126, 0.5,	315,	74, RIGID,	0, NO, 0.5,	160, 0.5,	338,	82, RIGID,	0, NO, 0.5,	194, 0.5,	328,	78, RIGID,	0, NO, 0.5,
127, 0.5,	378,	86, RIGID,	0, NO, 0.5,	161, 0.5,	401,	94, RIGID,	0, NO, 0.5,	195, 0.5,	391,	90, RIGID,	0, NO, 0.5,
128, 0.5,	441,	98, RIGID,	0, NO, 0.5,	162, 0.5,	452,	106, RIGID,	0, NO, 0.5,	196, 0.5,	447,	102, RIGID,	0, NO, 0.5,
129, 0.5,	478,	110, RIGID,	0, NO, 0.5,	163, 0.5,	489,	118, RIGID,	0, NO, 0.5,	197, 0.5,	484,	114, RIGID,	0, NO, 0.5,
130, 0.5,	529,	122, RIGID,	0, NO, 0.5,	164, 0.5,	552,	130, RIGID,	0, NO, 0.5,	198, 0.5,	542,	126, RIGID,	0, NO, 0.5,
131, 0.5,	592,	134, RIGID,	0, NO, 0.5,	165, 0.5,	615,	142, RIGID,	0, NO, 0.5,	199, 0.5,	605,	138, RIGID,	0, NO, 0.5,
132, 0.5,	655,	146, RIGID,	0, NO, 0.5,	166, 0.5,	666,	154, RIGID,	0, NO, 0.5,	200, 0.5,	661,	150, RIGID,	0, NO, 0.5,
133, 0.5,	692,	158, RIGID,	0, NO, 0.5,	167, 0.5,	703,	166, RIGID,	0, NO, 0.5,	201, 0.5,	698,	162, RIGID,	0, NO, 0.5,
134, 0.5,	743,	170, RIGID,	0, NO, 0.5,	168, 0.5,	766,	178, RIGID,	0, NO, 0.5,	202, 0.5,	756,	174, RIGID,	0, NO, 0.5,
135, 0.5,	806,	182, RIGID,	0, NO, 0.5,	169, 0.5,	829,	190, RIGID,	0, NO, 0.5,	203, 0.5,	819,	186, RIGID,	0, NO, 0.5,
136, 0.5,	869,	194, RIGID,	0, NO, 0.5,	170, 0.5,	879,	202, RIGID,	0, NO, 0.5,	204, 0.5,	874,	198, RIGID,	0, NO, 0.5,
137, 0.5,	12,	821, RIGID,	0, NO, 0.5,	171, 0.5,	8,	538, RIGID,	0, NO, 0.5,	205, 0.5,	232,	252, RIGID,	0, NO, 0.5,

206,	23,	21, RIGID,	0, NO, 0.5,	240,	19,	226, RIGID,	0, NO, 0.5,	274,	17,	15, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
207,	35,	33, RIGID,	0, NO, 0.5,	241,	31,	481, RIGID,	0, NO, 0.5,	275,	29,	27, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
208,	47,	45, RIGID,	0, NO, 0.5,	242,	43,	758, RIGID,	0, NO, 0.5,	276,	41,	39, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
209,	59,	57, RIGID,	0, NO, 0.5,	243,	55,	232, RIGID,	0, NO, 0.5,	277,	53,	51, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
210,	71,	69, RIGID,	0, NO, 0.5,	244,	67,	269, RIGID,	0, NO, 0.5,	278,	65,	63, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
211,	83,	81, RIGID,	0, NO, 0.5,	245,	79,	327, RIGID,	0, NO, 0.5,	279,	77,	75, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
212,	95,	93, RIGID,	0, NO, 0.5,	246,	91,	390, RIGID,	0, NO, 0.5,	280,	89,	87, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
213,	107,	105, RIGID,	0, NO, 0.5,	247,	103,	446, RIGID,	0, NO, 0.5,	281,	101,	99, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
214,	119,	117, RIGID,	0, NO, 0.5,	248,	115,	483, RIGID,	0, NO, 0.5,	282,	113,	111, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
215,	131,	129, RIGID,	0, NO, 0.5,	249,	127,	541, RIGID,	0, NO, 0.5,	283,	125,	123, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
216,	143,	141, RIGID,	0, NO, 0.5,	250,	139,	604, RIGID,	0, NO, 0.5,	284,	137,	135, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
217,	155,	153, RIGID,	0, NO, 0.5,	251,	151,	660, RIGID,	0, NO, 0.5,	285,	149,	147, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
218,	167,	165, RIGID,	0, NO, 0.5,	252,	163,	697, RIGID,	0, NO, 0.5,	286,	161,	159, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
219,	179,	177, RIGID,	0, NO, 0.5,	253,	175,	755, RIGID,	0, NO, 0.5,	287,	173,	171, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
220,	191,	189, RIGID,	0, NO, 0.5,	254,	187,	818, RIGID,	0, NO, 0.5,	288,	185,	183, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
221,	236,	827, RIGID,	0, NO, 0.5,	255,	491,	479, RIGID,	0, NO, 0.5,	289,	807,	752, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
222,	252,	269, RIGID,	0, NO, 0.5,	256,	466,	483, RIGID,	0, NO, 0.5,	290,	680,	697, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
223,	21,	19, RIGID,	0, NO, 0.5,	257,	226,	17, RIGID,	0, NO, 0.5,	291,	15,	13, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
224,	33,	31, RIGID,	0, NO, 0.5,	258,	481,	29, RIGID,	0, NO, 0.5,	292,	27,	25, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
225,	45,	43, RIGID,	0, NO, 0.5,	259,	758,	41, RIGID,	0, NO, 0.5,	293,	39,	37, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
226,	57,	55, RIGID,	0, NO, 0.5,	260,	232,	53, RIGID,	0, NO, 0.5,	294,	51,	49, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
227,	69,	67, RIGID,	0, NO, 0.5,	261,	269,	65, RIGID,	0, NO, 0.5,	295,	63,	61, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
228,	81,	79, RIGID,	0, NO, 0.5,	262,	327,	77, RIGID,	0, NO, 0.5,	296,	75,	73, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
229,	93,	91, RIGID,	0, NO, 0.5,	263,	390,	89, RIGID,	0, NO, 0.5,	297,	87,	85, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
230,	105,	103, RIGID,	0, NO, 0.5,	264,	446,	101, RIGID,	0, NO, 0.5,	298,	99,	97, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
231,	117,	115, RIGID,	0, NO, 0.5,	265,	483,	113, RIGID,	0, NO, 0.5,	299,	111,	109, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
232,	129,	127, RIGID,	0, NO, 0.5,	266,	541,	125, RIGID,	0, NO, 0.5,	300,	123,	121, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
233,	141,	139, RIGID,	0, NO, 0.5,	267,	604,	137, RIGID,	0, NO, 0.5,	301,	135,	133, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
234,	153,	151, RIGID,	0, NO, 0.5,	268,	660,	149, RIGID,	0, NO, 0.5,	302,	147,	145, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
235,	165,	163, RIGID,	0, NO, 0.5,	269,	697,	161, RIGID,	0, NO, 0.5,	303,	159,	157, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
236,	177,	175, RIGID,	0, NO, 0.5,	270,	755,	173, RIGID,	0, NO, 0.5,	304,	171,	169, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
237,	189,	187, RIGID,	0, NO, 0.5,	271,	818,	185, RIGID,	0, NO, 0.5,	305,	183,	181, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
238,	827,	814, RIGID,	0, NO, 0.5,	272,	479,	454, RIGID,	0, NO, 0.5,	306,	752,	744, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			
239,	446,	466, RIGID,	0, NO, 0.5,	273,	660,	680, RIGID,	0, NO, 0.5,	307,	256,	250, RIGID,	0, NO, 0.5,
0.5,				0.5,				0.5,			

308,	250,	249, RIGID,	0, NO, 0.5,	0	iRCS, ANGLE, GROUP
0.5,				NES 1600, FORCE, LRBI, 0, 0.5, NO, 0,	; iNO, iNODE1, iNODE2, GPROP, IEPROP,
309,	334,	325, RIGID,	0, NO, 0.5,	0.5, NO, 0.5, 0.5,	iRCS, iMETHOD, ANGLE-x, ANGLE-y,
0.5,				YES, 10000, 0, NO	ANGLE-z, GROUP
310,	325,	322, RIGID,	0, NO, 0.5,	YES, 1910, 0, YES, 80630, 64, 0.0078,	; iNO, iNODE1, iNODE2, GPROP, IEPROP,
0.5,				0.5, 0.5	iRCS, iMETHOD, P0X, P0Y, P0Z, P1X, P1Y,
311,	397,	388, RIGID,	0, NO, 0.5,	YES, 1910, 0, YES, 80630, 64, 0.0078,	P1Z, P2X, P2Y, P2Z, GROUP
0.5,				0.5, 0.5	; iNO, iNODE1, iNODE2, GPROP, IEPROP,
312,	388,	385, RIGID,	0, NO, 0.5,	NO, 0, 0, 0, NO	iRCS, iMETHOD, V1X, V1Y, V1Z, V2X, V2Y,
0.5,				NO, 0, 0, 0, NO	V2Z, GROUP
313,	470,	464, RIGID,	0, NO, 0.5,	NO, 0, 0, 0, NO	1, 2, 1, NES 1000, , 0, 0,
0.5,				0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	2, 14, 13, NES 3000, , 0, 0,
314,	464,	463, RIGID,	0, NO, 0.5,	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	3, 26, 25, NES 3000, , 0, 0,
0.5,				0	4, 38, 37, NES 3000, , 0, 0,
315,	548,	539, RIGID,	0, NO, 0.5,	NES 3000, FORCE, LRBI, 0, 0.5, NO, 0,	5, 50, 49, NES 1600, , 0, 0,
0.5,				0.5, NO, 0.5, 0.5,	6, 62, 61, NES 1600, , 0, 0,
316,	539,	536, RIGID,	0, NO, 0.5,	YES, 10000, 0, NO	7, 74, 73, NES 3000, , 0, 0,
0.5,				YES, 5223, 0, YES, 220471, 175, 0.0078,	8, 86, 85, NES 3000, , 0, 0,
317,	611,	602, RIGID,	0, NO, 0.5,	0.5, 0.5	9, 98, 97, NES 1600, , 0, 0,
0.5,				YES, 5223, 0, YES, 220471, 175, 0.0078,	10, 110, 109, NES 1600, , 0, 0,
318,	602,	599, RIGID,	0, NO, 0.5,	0.5, 0.5	11, 122, 121, NES 3000, , 0, 0,
0.5,				NO, 0, 0, 0, NO	12, 134, 133, NES 3000, , 0, 0,
319,	684,	678, RIGID,	0, NO, 0.5,	NO, 0, 0, 0, NO	13, 146, 145, NES 1600, , 0, 0,
0.5,				NO, 0, 0, 0, NO	14, 158, 157, NES 1600, , 0, 0,
320,	678,	677, RIGID,	0, NO, 0.5,	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	15, 170, 169, NES 3000, , 0, 0,
0.5,				0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	16, 182, 181, NES 3000, , 0, 0,
321,	762,	753, RIGID,	0, NO, 0.5,	0	17, 194, 193, NES 1600, , 0, 0,
0.5,				NFB 1000, FORCE, LRBI, 0, 0.5, NO, 0,	18, 4, 3, NES 1000, , 0, 0,
322,	753,	750, RIGID,	0, NO, 0.5,	0.5, NO, 0.5, 0.5,	19, 16, 15, NES 3000, , 0, 0,
0.5,				YES, 10000, 0, NO	20, 28, 27, NES 3000, , 0, 0,
323,	825,	816, RIGID,	0, NO, 0.5,	YES, 1343, 0, YES, 56694, 45, 0, 0.5,	21, 40, 39, NES 3000, , 0, 0,
0.5,				0.5	22, 52, 51, NES 1600, , 0, 0,
324,	816,	813, RIGID,	0, NO, 0.5,	YES, 1343, 0, YES, 56694, 45, 0, 0.5,	23, 64, 63, NES 1600, , 0, 0,
0.5,				0.5	24, 76, 75, NES 3000, , 0, 0,
*NL-PROP : General Link Property					25, 88, 87, NES 3000, , 0, 0,
; NAME, APPTYPE, TYPE, TW, TWRATIO_I,					26, 100, 99, NES 1600, , 0, 0,
bUSEMASS, TM, TMRATIO_I, bSSL, DY, DZ,					27, 112, 111, NES 1600, , 0, 0,
DESC					28, 124, 123, NES 3000, , 0, 0,
; bLDX, DX, EFFDAMP, bNDX, [NL_PROP]					29, 136, 135, NES 3000, , 0, 0,
; bLDY, DY, EFFDAMP, bNDY, [NL_PROP]					30, 148, 147, NES 1600, , 0, 0,
; bLDZ, DZ, EFFDAMP, bNDZ, [NL_PROP]					31, 160, 159, NES 1600, , 0, 0,
; bLRX, RX, EFFDAMP, bNRX, [NL_PROP]					32, 172, 171, NES 3000, , 0, 0,
; bLRY, RY, EFFDAMP, bNRY, [NL_PROP]					33, 184, 183, NES 3000, , 0, 0,
; bLRZ, RZ, EFFDAMP, bNRZ, [NL_PROP]					34, 196, 195, NES 1600, , 0, 0,
; [NL_PROP] : DSTIFF, DAMP, DEXP,					35, 6, 5, NFB 1000, , 0, 0,
bRIGDBR, BSTIFF, REFV : Visco-elastic					36, 18, 17, NFB 3000, , 0, 0,
Damper Type					37, 30, 29, NFB 3000, , 0, 0,
; [NL_PROP] : STIFF, OPEN					38, 42, 41, NFB 3000, , 0, 0,
: Gap Type or Hook Type					39, 54, 53, NFB 1600, , 0, 0,
; [NL_PROP] : STIFF, YSTR, PYS_RATIO,					40, 66, 65, NFB 1600, , 0, 0,
YEXP, PA, PB : Hysteretic System Type					41, 78, 77, NFB 3000, , 0, 0,
; [NL_PROP] : STIFF, YSTR, PYS_RATIO, PA,					42, 90, 89, NFB 3000, , 0, 0,
PB : Lead Rubber Bearing Type					43, 102, 101, NFB 1600, , 0, 0,
; [NL_PROP] : STIFF, FCS, FCF, RP,					44, 114, 113, NFB 1600, , 0, 0,
RADIUS, PA, PB : Friction Pendulum					45, 126, 125, NFB 3000, , 0, 0,
System Type					46, 138, 137, NFB 3000, , 0, 0,
NES 1000, FORCE, LRBI, 0, 0.5, NO, 0,					47, 150, 149, NFB 1600, , 0, 0,
0.5, NO, 0.5, 0.5,					48, 162, 161, NFB 1600, , 0, 0,
YES, 10000, 0, NO					49, 174, 173, NFB 3000, , 0, 0,
YES, 1343, 0, YES, 56694, 45, 0.0078,					50, 186, 185, NFB 3000, , 0, 0,
0.5, 0.5					51, 198, 197, NFB 1600, , 0, 0,
YES, 1343, 0, YES, 56694, 45, 0.0078,					52, 8, 7, NFB 1000, , 0, 0,
0.5, 0.5					53, 20, 19, NFB 3000, , 0, 0,
NO, 0, 0, NO					54, 32, 31, NFB 3000, , 0, 0,
NO, 0, 0, NO					55, 44, 43, NFB 3000, , 0, 0,
NO, 0, 0, NO					56, 56, 55, NFB 1600, , 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,					57, 68, 67, NFB 1600, , 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,					58, 80, 79, NFB 3000, , 0, 0,
*NL-LINK : General Link					
; iNO, iNODE1, iNODE2, GPROP, IEPROP,					

59,	92,	91, NFB 3000, , 0,	0,	0.110000,	0.0021		0.790000,	0.0522	
60,	104,	103, NFB 1600, , 0,	0,		0.120000,	-0.0067,	0.800000,		0.0337,
61,	116,	115, NFB 1600, , 0,	0,	0.130000,	-0.0025		0.810000,	0.119	
62,	128,	127, NFB 3000, , 0,	0,		0.140000,	-0.0124,	0.820000,		0.085,
63,	140,	139, NFB 3000, , 0,	0,	0.150000,	-0.014		0.830000,	0.0517	
64,	152,	151, NFB 1600, , 0,	0,		0.160000,	-0.0187,	0.840000,		0.109,
65,	164,	163, NFB 1600, , 0,	0,	0.170000,	-0.0254		0.850000,	0.101	
66,	176,	175, NFB 3000, , 0,	0,		0.180000,	-0.0228,	0.860000,		0.133,
67,	188,	187, NFB 3000, , 0,	0,	0.190000,	-0.0311		0.870000,	0.0547	
68,	200,	199, NFB 1600, , 0,	0,		0.200000,	-0.0305,	0.880000,		0.0124,
69,	10,	9, NES 1000, , 0,	0,	0.210000,	-0.0161		0.890000,	-0.0149	
70,	22,	21, NES 3000, , 0,	0,		0.220000,	-0.0298,	0.900000,		-0.0446,
71,	34,	33, NES 3000, , 0,	0,	0.230000,	-0.0118		0.910000,	-0.0883	
72,	46,	45, NES 3000, , 0,	0,		0.240000,	0.0023,	0.920000,		-0.0671,
73,	58,	57, NES 1600, , 0,	0,	0.250000,	0.0012		0.930000,	-0.0278	
74,	70,	69, NES 1600, , 0,	0,		0.260000,	-0.0062,	0.940000,		0.0082,
75,	82,	81, NES 3000, , 0,	0,	0.270000,	-0.001		0.950000,	0.0394	
76,	94,	93, NES 3000, , 0,	0,		0.280000,	-0.0058,	0.960000,		0.0096,
77,	106,	105, NES 1600, , 0,	0,	0.290000,	-0.0085		0.970000,	-0.0031	
78,	118,	117, NES 1600, , 0,	0,		0.300000,	0.0059,	0.980000,		-0.0106,
79,	130,	129, NES 3000, , 0,	0,	0.310000,	0.0013		0.990000,	0.0491	
80,	142,	141, NES 3000, , 0,	0,		0.320000,	0.0002,	1.000000,		-0.0147,
81,	154,	153, NES 1600, , 0,	0,	0.330000,	-0.002		1.010000,	-0.0058	
82,	166,	165, NES 1600, , 0,	0,		0.340000,	-0.0143,	1.020000,		-0.0175,
83,	178,	177, NES 3000, , 0,	0,	0.350000,	-0.0146		1.030000,	0.0337	
84,	190,	189, NES 3000, , 0,	0,		0.360000,	-0.0331,	1.040000,		0.006,
85,	202,	201, NES 1600, , 0,	0,	0.370000,	-0.0408		1.050000,	0.0054	
86,	12,	11, NES 1000, , 0,	0,		0.380000,	-0.0233,	1.060000,		0.0437,
87,	24,	23, NES 3000, , 0,	0,	0.390000,	0.0084		1.070000,	0.0143	
88,	36,	35, NES 3000, , 0,	0,		0.400000,	-0.0335,	1.080000,		0.0759,
89,	48,	47, NES 3000, , 0,	0,	0.410000,	-0.0523		1.090000,	0.0075	
90,	60,	59, NES 1600, , 0,	0,		0.420000,	-0.0378,	1.100000,		0.0773,
91,	72,	71, NES 1600, , 0,	0,	0.430000,	-0.0704		1.110000,	0.032	
92,	84,	83, NES 3000, , 0,	0,		0.440000,	-0.0577,	1.120000,		0.0613,
93,	96,	95, NES 3000, , 0,	0,	0.450000,	-0.0301		1.130000,	0.102	
94,	108,	107, NES 1600, , 0,	0,		0.460000,	-0.0194,	1.140000,		0.108,
95,	120,	119, NES 1600, , 0,	0,	0.470000,	0.0028		1.150000,	0.127	
96,	132,	131, NES 3000, , 0,	0,		0.480000,	-0.0689,	1.160000,		0.139,
97,	144,	143, NES 3000, , 0,	0,	0.490000,	-0.0492		1.170000,	0.0805	
98,	156,	155, NES 1600, , 0,	0,		0.500000,	0.0112,	1.180000,		0.0505,
99,	168,	167, NES 1600, , 0,	0,	0.510000,	-0.0075		1.190000,	0.0203	
100,	180,	179, NES 3000, , 0,	0,		0.520000,	0.0202,	1.200000,		0.0859,
101,	192,	191, NES 3000, , 0,	0,	0.530000,	0.0272		1.210000,	0.009	
102,	204,	203, NES 1600, , 0,	0,		0.540000,	-0.0171,	1.220000,		-0.0002,
*USE-STLD, 고정하중				0.550000,	0.0206		1.230000,	0.0559	
; *SELFWEIGHT, X, Y, Z, GROUP					0.560000,	-0.0392,	1.240000,		-0.0008,
*SELFWEIGHT, 0, 0, -1,				0.570000,	-0.0313		1.250000,	-0.0479	
; End of data for load case [고정하중]					0.580000,	-0.0053,	1.260000,		0.0109,
-----				0.590000,	0.0081		1.270000,	-0.0583	
*TFUNCTION ; Time History Function					0.600000,	-0.0171,	1.280000,		-0.0959,
; FUNC=NAME, 1, ITYPE, IMETHOD,				0.610000,	-0.0294		1.290000,	-0.0515	
SCALE/MAX, GRAV, DESC ; line 1					0.620000,	-0.008,	1.300000,		-0.0363,
; TIME1, VALUE1, TIME2, VALUE2, ...				0.630000,	-0.0206		1.310000,	-0.0515	
; ; from line 2					0.640000,	0.0042,	1.320000,		-0.0537,
; FUNC=NAME, 2, ITYPE, GRAV, A, C, F, D,				0.650000,	0.0148		1.330000,	-0.113	
PA, DESC					0.660000,	0.0514,	1.340000,		-0.12,
FUNC=ES21, 1, 1, 0, 1, 9.806,				0.670000,	0.092		1.350000,	-0.0865	
0.000000,				-0.0036,	0.680000,	0.0151,	1.360000,		-0.0972,
0.010000,				-0.0046	0.690000,	0.0422	1.370000,	-0.0771	
0.020000,				-0.0055,	0.700000,	0.0031,	1.380000,		-0.127,
0.030000,				-0.0045	0.710000,	0.0079	1.390000,	-0.117	
0.040000,				-0.0073,	0.720000,	0.011,	1.400000,		-0.0593,
0.050000,				-0.0068	0.730000,	0.026	1.410000,	-0.0784	
0.060000,				-0.0077,	0.740000,	-0.0045,	1.420000,		-0.112,
0.070000,				-0.0069	0.750000,	0.0153	1.430000,	-0.119	
0.080000,				-0.0043,	0.760000,	-0.0228,	1.440000,		-0.0989,
0.090000,				-0.0057	0.770000,	0.0091	1.450000,	-0.0828	
0.100000,				-0.0062,	0.780000,	0.0066,	1.460000,		-0.0997,

1.470000,	-0.14		2.150000,	0.0113		2.830000,	0.115	
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1.500000,		0.0824,	2.180000,		0.0522,	2.860000,		0.0171,
1.510000,	0.0822		2.190000,	0.0798		2.870000,	-0.0056	
1.520000,		-0.0135,	2.200000,		-0.0526,	2.880000,		-0.0103,
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	7.620000,	-0.0254,		8.300000,	0.0724,		8.980000,	-0.129,
7.630000,	-0.0148		8.310000,	0.107		8.990000,	-0.14	
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19.920000,		-0.0253,	20.600000,		0.0189,	21.280000,		0.016,
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19.940000,		-0.0054,	20.620000,		-0.0123,	21.300000,		0.0389,
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23.960000,		-0.0009,	49.300000,		0.0024,	50.660000,		-0.0008,
23.970000,	-0.0007		49.320000,	0.0021		50.680000,	0.0002	
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48.900000,		-0.0024,	50.260000,		0.0007,	51.620000,		-0.0094,
48.920000,	-0.002		50.280000,	0.0006		51.640000,	-0.0096	
48.940000,		-0.0016,	50.300000,		0.0002,	51.660000,		0.001,
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48.980000,		-0.0009,	50.340000,		-0.0007,	51.700000,		0.0115,
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49.020000,		-0.0014,	50.380000,		-0.0016,	51.740000,		0.0019,
49.040000,	-0.0021		50.400000,	-0.0016		51.760000,	-0.0029	
49.060000,		-0.0028,	50.420000,		-0.0016,	51.780000,		-0.0059,
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49.140000,		0.0004,	50.500000,		-0.0053,	51.860000,		-0.0007,
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52.200000,	0.0087		53.560000,	0.0031		0.580000,	-0.0362,
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52.240000,	0.0033		53.600000,	0.0049		0.600000,	-0.0826,
52.260000,		-0.0032,	53.620000,		0.0057,	0.610000,	-0.109
52.280000,	-0.0062		53.640000,	0.0066		0.620000,	-0.0795,
52.300000,		-0.0042,	53.660000,		0.0075,	0.630000,	-0.0531
52.320000,	-0.0023		53.680000,	0.0074		0.640000,	-0.0591,
52.340000,		-0.0009,	53.700000,		0.0054,	0.650000,	-0.0744
52.360000,	-0.0053		53.720000,	0.0033		0.660000,	-0.0959,
52.380000,		-0.009,	FUNC=ES22, 1, 1, 0, 1, 9.806,			0.670000,	-0.103
52.400000,	-0.0087		0.000000,		0.0018,	0.680000,	-0.0946,
52.420000,		-0.0084,	0.010000,	0.0027		0.690000,	-0.0714
52.440000,	-0.0081		0.020000,		0.0046,	0.700000,	-0.0848,
52.460000,		-0.0079,	0.030000,	0.004		0.710000,	-0.0781
52.480000,	-0.0069		0.040000,		0.001,	0.720000,	-0.0688,
52.500000,		-0.0049,	0.050000,	0.0042		0.730000,	-0.0339
52.520000,	-0.003		0.060000,		0.0012,	0.740000,	-0.0979,
52.540000,		-0.0011,	0.070000,	0.0061		0.750000,	-0.122
52.560000,	0.0021		0.080000,		0.0089,	0.760000,	-0.12,
52.580000,		0.0054,	0.090000,	0.0079		0.770000,	-0.131
52.600000,	0.007		0.100000,		0.0078,	0.780000,	-0.113,
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52.680000,	0.0051		0.140000,		0.0037,	0.820000,	-0.0101,
52.700000,		0.0037,	0.150000,	0.0148		0.830000,	-0.0128
52.720000,	0		0.160000,		0.0137,	0.840000,	-0.0249,
52.740000,		-0.0036,	0.170000,	0.0274		0.850000,	-0.0716
52.760000,	-0.0073		0.180000,		0.0339,	0.860000,	-0.0544,
52.780000,		-0.0109,	0.190000,	0.0178		0.870000,	0.0395
52.800000,	-0.0102		0.200000,		0.028,	0.880000,	-0.0433,
52.820000,		-0.009,	0.210000,	0.0105		0.890000,	0.0542
52.840000,	-0.0077		0.220000,		0.0155,	0.900000,	0.0496,
52.860000,		-0.0078,	0.230000,	0.0229		0.910000,	0.0229
52.880000,	-0.0085		0.240000,		0.027,	0.920000,	0.0799,
52.900000,		-0.0092,	0.250000,	0.0254		0.930000,	-0.0049
52.920000,	-0.0079		0.260000,		0.0195,	0.940000,	0.117,
52.940000,		-0.0049,	0.270000,	0.0204		0.950000,	0.0781
52.960000,	-0.0019		0.280000,		0.02,	0.960000,	0.043,
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53.060000,		0.0019,	0.330000,	0.0347		1.010000,	-0.0128
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53.120000,	0.0067		0.360000,		0.0244,	1.040000,	-0.0263,
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53.160000,	0.0023		0.380000,		0.0061,	1.060000,	0.0414,
53.180000,		0.0001,	0.390000,	0.0295		1.070000,	-0.0162
53.200000,	0.0009		0.400000,		0.0316,	1.080000,	0.0429,
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	1.140000,	-0.0331,	1.820000,	-0.0293,	2.500000,	-0.047,
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	1.160000,	-0.0102,	1.840000,	0.035,	2.520000,	-0.0471,
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	1.260000,	0.0909,	1.940000,	-0.0697,	2.620000,	-0.0216,
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5.560000,	0.0377,	6.240000,	0.054,	6.920000,	-0.11,
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5.580000,	-0.0552,	6.260000,	0.0839,	6.940000,	-0.0746,
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5.690000, -0.0707		6.370000, -0.0267		7.050000, -0.0827	
5.700000,	0.0255,	6.380000,	-0.061,	7.060000,	-0.0481,
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19.580000,	-0.0066,	20.260000,	-0.0169,	20.940000,	0.0043,
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19.680000,	0.0118,	20.360000,	-0.0285,	21.040000,	0.039,
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51.760000,	-0.0029	53.120000,	0.0067	0.360000,	0.0047,	
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51.800000,	-0.0033	53.160000,	0.0023	0.380000,	0.0159,	
51.820000,	-0.0007,	53.180000,	0.0001,	0.390000,	0.0043	
51.840000,	0.0005	53.200000,	0.0009	0.400000,	-0.0303,	
51.860000,	-0.0007,	53.220000,	0.0026,	0.410000,	-0.038	
51.880000,	-0.0018	53.240000,	0.0043	0.420000,	-0.0263,	
51.900000,	-0.0029,	53.260000,	0.006,	0.430000,	-0.0088	
51.920000,	-0.0027	53.280000,	0.0055	0.440000,	-0.0154,	
51.940000,	-0.0013,	53.300000,	0.005,	0.450000,	-0.013	
51.960000,	0	53.320000,	0.0045	0.460000,	-0.0208,	
51.980000,	0.0015,	53.340000,	0.0054,	0.470000,	0.0211	
52.000000,	0.0044	53.360000,	0.0081	0.480000,	-0.0026,	
52.020000,	0.0073,	53.380000,	0.0108,	0.490000,	-0.0053	
52.040000,	0.0102	53.400000,	0.0135	0.500000,	-0.0138,	
52.060000,	0.0068,	53.420000,	0.0141,	0.510000,	-0.0126	
52.080000,	0.0033	53.440000,	0.0138	0.520000,	-0.043,	
52.100000,	-0.0001,	53.460000,	0.0124,	0.530000,	0.0031	
52.120000,	-0.0035	53.480000,	0.0098	0.540000,	-0.0311,	
52.140000,	-0.0061,	53.500000,	0.0071,	0.550000,	0.0299	
52.160000,	-0.0012	53.520000,	0.0045	0.560000,	-0.0219,	
52.180000,	0.0038,	53.540000,	0.0022,	0.570000,	0.0011	
52.200000,	0.0087	53.560000,	0.0031	0.580000,	-0.0164,	
52.220000,	0.0097,	53.580000,	0.004,	0.590000,	0.0363	
52.240000,	0.0033	53.600000,	0.0049	0.600000,	0.0213,	
52.260000,	-0.0032,	53.620000,	0.0057,	0.610000,	0.0022	
52.280000,	-0.0062	53.640000,	0.0066	0.620000,	0.0422,	
52.300000,	-0.0042,	53.660000,	0.0075,	0.630000,	0.0061	
52.320000,	-0.0023	53.680000,	0.0074	0.640000,	0.0051,	
52.340000,	-0.0009,	53.700000,	0.0054,	0.650000,	0.0166	
52.360000,	-0.0053	53.720000,	0.0033	0.660000,	0.0108,	
52.380000,	-0.009,	FUNC=ES23, 1, 1, 0, 1, 9.806,	0.670000,	0.670000,	0.0319	
52.400000,	-0.0087	0.000000,	-0.0036,	0.680000,	0.0617,	
52.420000,	-0.0084,	0.010000,	-0.0043	0.690000,	0.0573	
52.440000,	-0.0081	0.020000,	-0.0031,	0.700000,	-0.0091,	
52.460000,	-0.0079,	0.030000,	-0.0014	0.710000,	0.036	
52.480000,	-0.0069	0.040000,	-0.0022,	0.720000,	-0.0043,	
52.500000,	-0.0049,	0.050000,	0.0046	0.730000,	-0.027	
52.520000,	-0.003	0.060000,	0.0055,	0.740000,	-0.0217,	
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52.560000,	0.0021	0.080000,	0.0006,	0.760000,	-0.0338,	

0.770000,	-0.0924		1.450000,	0.0691		2.130000,	-0.0142	
	0.780000,	0.0108,		1.460000,	0.0072,		2.140000,	-0.0686,
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0.810000,	-0.0089		1.490000,	0.0675		2.170000,	-0.0312	
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0.830000,	0.0012		1.510000,	0.0746		2.190000,	-0.0176	
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0.850000,	0.0597		1.530000,	0.0669		2.210000,	-0.058	
	0.860000,	0.0953,		1.540000,	0.0235,		2.220000,	-0.0915,
0.870000,	0.0688		1.550000,	0.126		2.230000,	-0.0658	
	0.880000,	0.0862,		1.560000,	0.0342,		2.240000,	-0.023,
0.890000,	0.0432		1.570000,	-0.0759		2.250000,	-0.102	
	0.900000,	0.0524,		1.580000,	0.0966,		2.260000,	-0.0705,
0.910000,	0.0343		1.590000,	-0.05		2.270000,	0.0293	
	0.920000,	0.0069,		1.600000,	0.0484,		2.280000,	-0.0616,
0.930000,	0.0544		1.610000,	0.0657		2.290000,	0.0337	
	0.940000,	0.0312,		1.620000,	0.0311,		2.300000,	-0.0835,
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	1.020000,	-0.0954,		1.700000,	-0.0239,		2.380000,	0.0662,
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1.050000,	-0.0938		1.730000,	0.0446		2.410000,	0.0931	
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	1.280000,	0.0831,		1.960000,	0.0323,		2.640000,	-0.113,
1.290000,	0.0232		1.970000,	0.0024		2.650000,	0.0674	
	1.300000,	0.0602,		1.980000,	-0.0377,		2.660000,	-0.0042,
1.310000,	0.0566		1.990000,	-0.0319		2.670000,	0.0175	
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2.850000,	-0.0704		3.530000,	-0.145		4.210000,	0.146	
	2.860000,	-0.0957,		3.540000,	-0.0811,		4.220000,	0.0994,
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	2.880000,	-0.12,		3.560000,	-0.0749,		4.240000,	0.0066,
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	3.140000,	-0.0639,		3.820000,	0.0202,		4.500000,	0.101,
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	3.180000,	-0.0045,		3.860000,	0.0658,		4.540000,	-0.0491,
3.190000,	-0.0515		3.870000,	-0.0366		4.550000,	-0.117	
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	3.220000,	-0.0048,		3.900000,	-0.143,		4.580000,	-0.137,
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	3.240000,	0.0435,		3.920000,	-0.148,		4.600000,	0.0219,
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	3.280000,	0.0728,		3.960000,	-0.0964,		4.640000,	0.0767,
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3.390000,	-0.0532		4.070000,	0.0574		4.750000,	0.0049	
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	5.060000,	-0.0676,		5.740000,	-0.0148,		6.420000,	0.0229,
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	5.120000,	-0.0793,		5.800000,	-0.0927,		6.480000,	-0.0516,
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	5.160000,	-0.0602,		5.840000,	0.0011,		6.520000,	0.0503,
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	5.180000,	-0.0133,		5.860000,	-0.108,		6.540000,	-0.0734,
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	5.200000,	0.014,		5.880000,	-0.134,		6.560000,	-0.0339,
5.210000,	-0.0969		5.890000,	-0.067		6.570000,	-0.0862	
	5.220000,	0.0019,		5.900000,	-0.0722,		6.580000,	-0.0969,
5.230000,	-0.0054		5.910000,	-0.1		6.590000,	-0.1	
	5.240000,	-0.094,		5.920000,	0.0157,		6.600000,	-0.131,
5.250000,	-0.0742		5.930000,	-0.0247		6.610000,	-0.0917	
	5.260000,	0.0634,		5.940000,	0.105,		6.620000,	0.0384,
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	5.280000,	0.0611,		5.960000,	-0.0113,		6.640000,	0.13,
5.290000,	-0.0686		5.970000,	-0.0855		6.650000,	0.117	
	5.300000,	0.0077,		5.980000,	-0.0342,		6.660000,	0.0072,
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	5.340000,	-0.0243,		6.020000,	-0.0839,		6.700000,	0.127,
5.350000,	0.0917		6.030000,	-0.12		6.710000,	-0.0053	
	5.360000,	0.0634,		6.040000,	-0.0182,		6.720000,	0.123,
5.370000,	0.0815		6.050000,	-0.0322		6.730000,	0.0664	
	5.380000,	-0.113,		6.060000,	0.0215,		6.740000,	0.132,
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	5.400000,	0.0248,		6.080000,	0.0925,		6.760000,	0.0622,
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11.360000,		0.0929,	12.040000,		0.0266,	12.720000,		0.1,
11.370000,	-0.0456		12.050000,	0.0117		12.730000,	0.0704	
11.380000,		-0.0587,	12.060000,		0.0952,	12.740000,		0.0457,
11.390000,	-0.0603		12.070000,	-0.0551		12.750000,	0.0338	
11.400000,		-0.0526,	12.080000,		-0.0149,	12.760000,		0.0263,
11.410000,	-0.0378		12.090000,	0.0141		12.770000,	0.125	
11.420000,		-0.117,	12.100000,		0.142,	12.780000,		0.0164,
11.430000,	-0.0585		12.110000,	0.0229		12.790000,	0.0253	
11.440000,		-0.0944,	12.120000,		0.0555,	12.800000,		-0.0372,
11.450000,	-0.0771		12.130000,	0.0639		12.810000,	0.0871	
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11.470000,	-0.0721		12.150000,	0.0968		12.830000,	0.0915	
11.480000,		-0.0991,	12.160000,		0.0204,	12.840000,		-0.0179,
11.490000,	-0.114		12.170000,	0.0424		12.850000,	0.0088	
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11.520000,		-0.13,	12.200000,		0.0008,	12.880000,		-0.0168,
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11.550000,	-0.0347		12.230000,	-0.0959		12.910000,	-0.0154	
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11.570000,	-0.134		12.250000,	0.0501		12.930000,	-0.0151	
11.580000,		0.0034,	12.260000,		0.0243,	12.940000,		-0.0642,
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13.020000,		-0.118,	13.700000,		-0.146,	14.380000,		0.057,
13.030000,	-0.0979		13.710000,	0.0884		14.390000,	-0.0003	
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13.070000,	-0.0442		13.750000,	0.0694		14.430000,	-0.0131	
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13.130000,	-0.0049		13.810000,	-0.0108		14.490000,	0.0104	
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13.190000,	0.148		13.870000,	-0.0433		14.550000,	-0.0364	
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13.460000,		-0.0312,	14.140000,		-0.0362,	14.820000,		0.004,
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17.500000,		-0.0656,	18.180000,		0.018,	18.860000,		0.0162,
17.510000,	0.0335		18.190000,	0.0683		18.870000,	-0.0193	
17.520000,		-0.0276,	18.200000,		-0.0394,	18.880000,		-0.043,
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17.560000,		-0.0147,	18.240000,		0.0182,	18.920000,		-0.033,
17.570000,	-0.0315		18.250000,	-0.0021		18.930000,	-0.0316	
17.580000,		-0.0097,	18.260000,		0.0438,	18.940000,		-0.0143,
17.590000,	-0.0168		18.270000,	0.0633		18.950000,	-0.0328	
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17.620000,		-0.0859,	18.300000,		-0.0034,	18.980000,		-0.0503,
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17.700000,		-0.0352,	18.380000,		0.0421,	19.060000,		0.0048,
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19.180000,		0.0774,	19.860000,		-0.0454,	20.540000,		-0.0012,
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19.270000,	0.0485		19.950000,	-0.0326		20.630000,	-0.0004	
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23.400000,	-0.0076,	48.180000,	0.0098,	49.540000,	0.0013,
23.410000, -0.0062		48.200000, 0.0094		49.560000, 0.0011	
23.420000,	-0.0029,	48.220000,	0.009,	49.580000,	0.001,
23.430000, -0.0065		48.240000, 0.0085		49.600000, 0.001	
23.440000,	-0.0027,	48.260000,	0.0081,	49.620000,	-0.0012,
23.450000, -0.0004		48.280000, 0.0082		49.640000, -0.0044	
23.460000,	0.0001,	48.300000,	0.0085,	49.660000,	-0.0076,
23.470000, -0.0004		48.320000, 0.0087		49.680000, -0.0083	
23.480000,	0.0022,	48.340000,	0.009,	49.700000,	-0.0085,
23.490000, 0.0011		48.360000, 0.0092		49.720000, -0.0087	
23.500000,	0.0027,	48.380000,	0.0085,	49.740000,	-0.0088,
23.510000, 0.0005		48.400000, 0.0076		49.760000, -0.009	
23.520000,	0.0026,	48.420000,	0.0067,	49.780000,	-0.0092,
23.530000, 0.0034		48.440000, 0.0061		49.800000, -0.0091	

49.820000,	-0.0075,	51.180000,	-0.0014,	52.540000,	-0.0011,
49.840000, -0.0058		51.200000, 0.0051		52.560000, 0.0021	
49.860000,	-0.0041,	51.220000,	0.0116,	52.580000,	0.0054,
49.880000, -0.0034		51.240000, 0.0045		52.600000, 0.007	
49.900000,	-0.0037,	51.260000,	-0.006,	52.620000,	0.0054,
49.920000, -0.004		51.280000, -0.0165		52.640000, 0.0044	
49.940000,	-0.0043,	51.300000,	-0.0113,	52.660000,	0.0047,
49.960000, -0.0046		51.320000, -0.0034		52.680000, 0.0051	
49.980000,	-0.0037,	51.340000,	-0.0022,	52.700000,	0.0037,
50.000000, -0.0019		51.360000, -0.0077		52.720000, 0	
50.020000,	-0.0001,	51.380000,	-0.0117,	52.740000,	-0.0036,
50.040000, 0.0018		51.400000, -0.0076		52.760000, -0.0073	
50.060000,	0.0034,	51.420000,	-0.0034,	52.780000,	-0.0109,
50.080000, 0.0021		51.440000, -0.0018		52.800000, -0.0102	
50.100000,	0.0007,	51.460000,	-0.0018,	52.820000,	-0.009,
50.120000, -0.0007		51.480000, -0.0005		52.840000, -0.0077	
50.140000,	-0.0014,	51.500000,	0.0024,	52.860000,	-0.0078,
50.160000, -0.001		51.520000, 0.0053		52.880000, -0.0085	
50.180000,	-0.0007,	51.540000,	0.0062,	52.900000,	-0.0092,
50.200000, -0.0003		51.560000, 0.0023		52.920000, -0.0079	
50.220000,	0,	51.580000,	-0.0016,	52.940000,	-0.0049,
50.240000, 0.0004		51.600000, -0.0055		52.960000, -0.0019	
50.260000,	0.0007,	51.620000,	-0.0094,	52.980000,	0,
50.280000, 0.0006		51.640000, -0.0096		53.000000, -0.0006	
50.300000,	0.0002,	51.660000,	0.001,	53.020000,	-0.0013,
50.320000, -0.0003		51.680000, 0.0117		53.040000, -0.0002	
50.340000,	-0.0007,	51.700000,	0.0115,	53.060000,	0.0019,
50.360000, -0.0012		51.720000, 0.0067		53.080000, 0.0039	
50.380000,	-0.0016,	51.740000,	0.0019,	53.100000,	0.006,
50.400000, -0.0016		51.760000, -0.0029		53.120000, 0.0067	
50.420000,	-0.0016,	51.780000,	-0.0059,	53.140000,	0.0045,
50.440000, -0.0016		51.800000, -0.0033		53.160000, 0.0023	
50.460000,	-0.0026,	51.820000,	-0.0007,	53.180000,	0.0001,
50.480000, -0.0039		51.840000, 0.0005		53.200000, 0.0009	
50.500000,	-0.0053,	51.860000,	-0.0007,	53.220000,	0.0026,
50.520000, -0.0066		51.880000, -0.0018		53.240000, 0.0043	
50.540000,	-0.0079,	51.900000,	-0.0029,	53.260000,	0.006,
50.560000, -0.0093		51.920000, -0.0027		53.280000, 0.0055	
50.580000,	-0.0078,	51.940000,	-0.0013,	53.300000,	0.005,
50.600000, -0.0061		51.960000, 0		53.320000, 0.0045	
50.620000,	-0.0043,	51.980000,	0.0015,	53.340000,	0.0054,
50.640000, -0.0025		52.000000, 0.0044		53.360000, 0.0081	
50.660000,	-0.0008,	52.020000,	0.0073,	53.380000,	0.0108,
50.680000, 0.0002		52.040000, 0.0102		53.400000, 0.0135	
50.700000,	-0.0028,	52.060000,	0.0068,	53.420000,	0.0141,
50.720000, -0.0059		52.080000, 0.0033		53.440000, 0.0138	
50.740000,	-0.0089,	52.100000,	-0.0001,	53.460000,	0.0124,
50.760000, -0.0107		52.120000, -0.0035		53.480000, 0.0098	
50.780000,	-0.0057,	52.140000,	-0.0061,	53.500000,	0.0071,
50.800000, -0.0007		52.160000, -0.0012		53.520000, 0.0045	
50.820000,	0.0043,	52.180000,	0.0038,	53.540000,	0.0022,
50.840000, 0.0051		52.200000, 0.0087		53.560000, 0.0031	
50.860000,	-0.0041,	52.220000,	0.0097,	53.580000,	0.004,
50.880000, -0.0133		52.240000, 0.0033		53.600000, 0.0049	
50.900000,	-0.0223,	52.260000,	-0.0032,	53.620000,	0.0057,
50.920000, -0.023		52.280000, -0.0062		53.640000, 0.0066	
50.940000,	-0.0134,	52.300000,	-0.0042,	53.660000,	0.0075,
50.960000, -0.0078		52.320000, -0.0023		53.680000, 0.0074	
50.980000,	-0.0084,	52.340000,	-0.0009,	53.700000,	0.0054,
51.000000, -0.009		52.360000, -0.0053		53.720000, 0.0033	
51.020000,	-0.0059,	52.380000,	-0.009,	*THLDCASE ; Time History Load Cases	
51.040000, 0.0058		52.400000, -0.0087		; NAME=NAME, DESC	
51.060000,	0.0175,	52.420000,	-0.0084,		
51.080000, 0.0198		52.440000, -0.0081		; line 1	
51.100000,	0.0044,	52.460000,	-0.0079,	; iATYPE, iAMETHOD, iTHTYPE,	
51.120000, -0.011		52.480000, -0.0069		ETIME/iISTEP, INC, iOUT, bP-DELTA, [SEQ	
51.140000,	-0.0144,	52.500000,	-0.0049,	LOAD] ; line 2	
51.160000, -0.0079		52.520000, -0.003		; imDTYPE, [DR-DC], [TIP], [NACP]	

```

; line 3(iAMETHOD=1,2)
;      iINCCTRL, bCUMULATE, SCALE,
[      N      A      C      P      ]
;      : line 3(iAMETHOD=3, iINCCTRL=0)
;      iINCCTRL, bCUMULATE, [DISPL],
[      N      A      C      P      ]
;      : line 3(iAMETHOD=3, iINCCTRL=1)
;      iMODE1, DAMPING1, iMODE2,
DAMPING2, ...
;      : from line 4
;      [DR-DC] : DALL
;
IMDTYPE=1
;      : iCOEF, bMASSP, MASSC,
bSTIFFP, STIFFC
;      : IMDTYPE=2, iCOEF=1
;      : iCOEF, iCALC, bMASSP, FP1,
DR1, bSTIFFP, FP2, DR2
;      : IMDTYPE=2, iCOEF=2
;      [TIP] : iNMM, GAMMA, BETA

; iAMETHOD=2
; [NACP] : bITER, bCONV, MINSSS/IMSTEP,
IMAXITER, bDN, DN, bFN, FN, bEN, EN,
DMUPDATE, iRKM, dTOL : iATYPE=2
; [DISPL] : iCTRL, TINC, MNODE, MDIR
; [SEQ LOAD] : bSUBSEQ, bEQUI, LCTYPE,
CASE, bKEEP, bDVA
NAME=HIS1,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS2,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS3,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS4,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS5,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS6,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS7,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
NAME=HIS8,
2, 1, 1, 24, 0.01, 1, NO, NO
1, 0.05, , , YES, NO, 1e-005, 10,
YES, 0.001, NO, , NO, , YES, 0, 1e-008
*GROUND-ACC : Ground Acceleration
; THIS, FUNCX, SCALEX, ATIMEX, FUNCY,
SCALEY, ATIMEY, FUNCZ, SCALEZ, ATIMEZ,
ANGLE
HIS1, ES21, 1, 0, , 1, 0, , 1, 0, 0
HIS2, ES22, 1, 0, , 1, 0, , 1, 0, 0
HIS3, ES23, 1, 0, , 1, 0, , 1, 0, 0
HIS4, ES24, 1, 0, , 1, 0, , 1, 0, 0
HIS5, , 1, 0, ES21, 1, 0, , 1, 0, 0
HIS6, , 1, 0, ES22, 1, 0, , 1, 0, 0
HIS7, , 1, 0, ES23, 1, 0, , 1, 0, 0
HIS8, , 1, 0, ES24, 1, 0, , 1, 0, 0
*MLVDCODE : Moving Load Code
; CODE=CODE
CODE=NONE
*LOADCOMB : Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE,
DESC, iSERV-TYPE, nLCOMTYPE : line 1
; ANAL1, LCNAME1, FACT1, ...
; : from line 2
NAME=최대반력, GEN, ACTIVE, 0, 0, , 0,
0
ST, 고정하중, 1
NAME=THCOM1, GEN, ACTIVE, 0, 1, , 0,
0
TH, HIS1, 1, TH, HIS2, 1, TH, HIS3,
1, TH, HIS4, 1
NAME=THCOM2, GEN, ACTIVE, 0, 1, , 0,
0
TH, HIS5, 1, TH, HIS6, 1, TH, HIS7,
1, TH, HIS8, 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, 고정하중, 255, 0, 128, 93, 255, 87,
192, 0, 128
CB, THCOM1, 255, 255, 255, 0, 192, 128,
148, 87, 255
CB, THCOM2, 0, 128, 255, 192, 128, 0,
255, 255, 255
TH, HIS1, 0, 128, 57, 0, 128, 192, 255, 0,
128
CB, 최대반력, 146, 0, 255, 78, 0, 255, 255,
255, 255
TH, HIS2, 160, 255, 255, 85, 0, 192, 192,
192, 0
TH, HIS3, 0, 128, 57, 255, 192, 87, 255,
160, 255
TH, HIS4, 78, 0, 255, 255, 0, 192, 192, 72,
0
TH, HIS5, 160, 255, 255, 255, 87, 87, 192,
192, 0
TH, HIS6, 210, 210, 210, 255, 255, 87,
192, 72, 0
TH, HIS7, 128, 192, 0, 192, 0, 128, 255, 0,
192
TH, HIS8, 255, 87, 87, 163, 160, 255, 192,
192, 192
*EIGEN-CTRL : Eigenvalue Analysis
Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX,
FRMIN, FRMAX, bSTRUM : TYPE=EIGEN
; TYPE, bINCNL, iGNUM
: TYPE=RITZ(line 1)
; KIND1, CASE1/GROUND1, iNOG1, ...
: TYPE=RITZ(from
line2)
RITZ, NO, 0
GROUND, ACCX, 25, GROUND, ACCY, 25
*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, C21, , 1,
KSCE-LSD12(RC), ,C21
, NO, 1, , , 0, 0, 14700, NO, 0, 0
2, STEEL, SM490, , 1,
KSCE-LSD12(S), ,SM490
*SECTION MANAGER-GROUP & PART :
Section Manager - Group & Part
; SECT = NO, bSAMEJ
: line
1
; GRPDISIZE, GRPDJSIZE, PARTISIZE,
PARTJSIZE
; line 2
;
.....
..... :
; LOOP UTIL (GRPDISIZE,
G R P D J S I Z E )
;
; GROUPID, GROUPNAME,
G R O U P T Y P E
; 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=5, 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
SECT=5, YES
0, 0
*ENDDATA

```