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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, KCAL, C
*STRUCTYPE : Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET,
bSELFWEIGHT, GRAV, TEMPER,
bALIGNBEAM, bALIGNSLAB, bROTIRIGID
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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30197, 330.95, 0, -1.95
30198, 361.05, 0, -1.95
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*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, 2, 1, 906,
0
2, BEAM , 1, 3, 3, 2,
0
5, BEAM , 1, 3, 5, 6,
0
6, BEAM , 1, 2, 6, 996,
0
7, BEAM , 1, 2, 8, 907,
0
8, BEAM , 1, 3, 10, 9,
0
11, BEAM , 1, 3, 12, 13,
0
12, BEAM , 1, 2, 13, 997,
0
13, BEAM , 1, 2, 15, 908,
0
14, BEAM , 1, 3, 17, 16,
0
17, BEAM , 1, 3, 19, 20,
0
18, BEAM , 1, 2, 20, 998,
0
19, BEAM , 1, 2, 22, 909,
0

20, BEAM	,	1,	3,	24,	23,	58, BEAM	,	4,	4,	2,	9,	92, BEAM	,	1,	2,	74,	914,
0						0						0					
23, BEAM	,	1,	3,	26,	27,	59, BEAM	,	4,	4,	9,	16,	93, BEAM	,	1,	3,	76,	75,
0						0						0					
24, BEAM	,	1,	2,	27,	999,	60, BEAM	,	4,	4,	40,	39,	94, BEAM	,	1,	3,	77,	78,
0						0						0					
25, BEAM	,	1,	2,	29,	910,	61, BEAM	,	4,	4,	39,	38,	95, BEAM	,	1,	2,	78,	1004,
0						0						0					
26, BEAM	,	1,	3,	31,	30,	62, BEAM	,	4,	4,	38,	37,	96, BEAM	,	1,	2,	80,	915,
0						0						0					
29, BEAM	,	1,	3,	33,	34,	63, BEAM	,	4,	4,	37,	36,	97, BEAM	,	1,	3,	82,	81,
0						0						0					
30, BEAM	,	1,	2,	34,	1000,	64, BEAM	,	4,	4,	45,	44,	98, BEAM	,	1,	3,	83,	84,
0						0						0					
31, BEAM	,	1,	1,	17,	36,	65, BEAM	,	4,	4,	44,	43,	99, BEAM	,	1,	2,	84,	1005,
0						0						0					
32, BEAM	,	1,	1,	10,	37,	66, BEAM	,	4,	4,	43,	42,	100, BEAM	,	1,	1,	70,	86,
0						0						0					
33, BEAM	,	1,	1,	3,	38,	67, BEAM	,	4,	4,	42,	41,	101, BEAM	,	1,	1,	64,	87,
0						0						0					
34, BEAM	,	1,	1,	24,	39,	68, BEAM	,	4,	4,	50,	49,	102, BEAM	,	1,	1,	58,	88,
0						0						0					
35, BEAM	,	1,	1,	31,	40,	69, BEAM	,	4,	4,	49,	48,	103, BEAM	,	1,	1,	76,	89,
0						0						0					
36, BEAM	,	1,	1,	36,	41,	70, BEAM	,	4,	4,	48,	47,	104, BEAM	,	1,	1,	82,	90,
0						0						0					
37, BEAM	,	1,	1,	37,	42,	71, BEAM	,	4,	4,	47,	46,	105, BEAM	,	1,	1,	86,	91,
0						0						0					
38, BEAM	,	1,	1,	38,	43,	72, BEAM	,	4,	4,	55,	54,	106, BEAM	,	1,	1,	87,	92,
0						0						0					
39, BEAM	,	1,	1,	39,	44,	73, BEAM	,	4,	4,	54,	53,	107, BEAM	,	1,	1,	88,	93,
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40, BEAM	,	1,	1,	40,	45,	74, BEAM	,	4,	4,	53,	52,	108, BEAM	,	1,	1,	89,	94,
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41, BEAM	,	1,	1,	41,	46,	75, BEAM	,	4,	4,	52,	51,	109, BEAM	,	1,	1,	90,	95,
0						0						0					
42, BEAM	,	1,	1,	42,	47,	76, BEAM	,	4,	4,	34,	27,	110, BEAM	,	1,	1,	91,	96,
0						0						0					
43, BEAM	,	1,	1,	43,	48,	77, BEAM	,	4,	4,	27,	6,	111, BEAM	,	1,	1,	92,	97,
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45, BEAM	,	1,	1,	45,	50,	79, BEAM	,	4,	4,	13,	20,	113, BEAM	,	1,	1,	94,	99,
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46, BEAM	,	1,	1,	46,	51,	80, BEAM	,	1,	2,	56,	911,	114, BEAM	,	1,	1,	95,	100,
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47, BEAM	,	1,	1,	47,	52,	81, BEAM	,	1,	3,	58,	57,	115, BEAM	,	1,	1,	96,	101,
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49, BEAM	,	1,	1,	49,	54,	83, BEAM	,	1,	2,	60,	1001,	117, BEAM	,	1,	1,	98,	103,
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54, BEAM	,	1,	1,	54,	26,	88, BEAM	,	1,	2,	68,	913,	122, BEAM	,	1,	1,	103,	59,
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56, BEAM	,	4,	4,	30,	23,	90, BEAM	,	1,	3,	71,	72,	124, BEAM	,	1,	1,	105,	83,
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0						0						0					

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143, BEAM , 4, 4, 103, 102, 0	177, BEAM , 1, 1, 139, 144, 0	211, BEAM , 4, 4, 154, 153, 0
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1263, BEAM , 1, 2, 916, 107, 0	1297, BEAM , 1, 2, 950, 431, 0	1331, BEAM , 1, 2, 984, 775, 0
1264, BEAM , 1, 2, 917, 113, 0	1298, BEAM , 1, 2, 951, 457, 0	1332, BEAM , 1, 2, 985, 781, 0
1265, BEAM , 1, 2, 918, 119, 0	1299, BEAM , 1, 2, 952, 463, 0	1333, BEAM , 1, 2, 986, 807, 0
1266, BEAM , 1, 2, 919, 125, 0	1300, BEAM , 1, 2, 953, 469, 0	1334, BEAM , 1, 2, 987, 813, 0
1267, BEAM , 1, 2, 920, 131, 0	1301, BEAM , 1, 2, 954, 475, 0	1335, BEAM , 1, 2, 988, 819, 0
1268, BEAM , 1, 2, 921, 157, 0	1302, BEAM , 1, 2, 955, 481, 0	1336, BEAM , 1, 2, 989, 825, 0
1269, BEAM , 1, 2, 922, 163, 0	1303, BEAM , 1, 2, 956, 507, 0	1337, BEAM , 1, 2, 990, 831, 0
1270, BEAM , 1, 2, 923, 169, 0	1304, BEAM , 1, 2, 957, 513, 0	1338, BEAM , 1, 2, 991, 857, 0
1271, BEAM , 1, 2, 924, 175, 0	1305, BEAM , 1, 2, 958, 519, 0	1339, BEAM , 1, 2, 992, 863, 0
1272, BEAM , 1, 2, 925, 181, 0	1306, BEAM , 1, 2, 959, 525, 0	1340, BEAM , 1, 2, 993, 869, 0
1273, BEAM , 1, 2, 926, 207, 0	1307, BEAM , 1, 2, 960, 531, 0	1341, BEAM , 1, 2, 994, 875, 0
1274, BEAM , 1, 2, 927, 213, 0	1308, BEAM , 1, 2, 961, 557, 0	1342, BEAM , 1, 2, 995, 881, 0
1275, BEAM , 1, 2, 928, 219, 0	1309, BEAM , 1, 2, 962, 563, 0	1343, BEAM , 1, 2, 996, 7, 0
1276, BEAM , 1, 2, 929, 225, 0	1310, BEAM , 1, 2, 963, 569, 0	1344, BEAM , 1, 2, 997, 14, 0
1277, BEAM , 1, 2, 930, 231, 0	1311, BEAM , 1, 2, 964, 575, 0	1345, BEAM , 1, 2, 998, 21, 0
1278, BEAM , 1, 2, 931, 257, 0	1312, BEAM , 1, 2, 965, 581, 0	1346, BEAM , 1, 2, 999, 28, 0
1279, BEAM , 1, 2, 932, 263, 0	1313, BEAM , 1, 2, 966, 607, 0	1347, BEAM , 1, 2, 1000, 35, 0
1280, BEAM , 1, 2, 933, 269, 0	1314, BEAM , 1, 2, 967, 613, 0	1348, BEAM , 1, 2, 1001, 61, 0
1281, BEAM , 1, 2, 934, 275, 0	1315, BEAM , 1, 2, 968, 619, 0	1349, BEAM , 1, 2, 1002, 67, 0

1350, BEAM , 1, 2, 1003, 73, 0	1384, BEAM , 1, 2, 1037, 417, 0	1418, BEAM , 1, 2, 1071, 761, 0
1351, BEAM , 1, 2, 1004, 79, 0	1385, BEAM , 1, 2, 1038, 423, 0	1419, BEAM , 1, 2, 1072, 767, 0
1352, BEAM , 1, 2, 1005, 85, 0	1386, BEAM , 1, 2, 1039, 429, 0	1420, BEAM , 1, 2, 1073, 773, 0
1353, BEAM , 1, 2, 1006, 111, 0	1387, BEAM , 1, 2, 1040, 435, 0	1421, BEAM , 1, 2, 1074, 779, 0
1354, BEAM , 1, 2, 1007, 117, 0	1388, BEAM , 1, 2, 1041, 461, 0	1422, BEAM , 1, 2, 1075, 785, 0
1355, BEAM , 1, 2, 1008, 123, 0	1389, BEAM , 1, 2, 1042, 467, 0	1423, BEAM , 1, 2, 1076, 811, 0
1356, BEAM , 1, 2, 1009, 129, 0	1390, BEAM , 1, 2, 1043, 473, 0	1424, BEAM , 1, 2, 1077, 817, 0
1357, BEAM , 1, 2, 1010, 135, 0	1391, BEAM , 1, 2, 1044, 479, 0	1425, BEAM , 1, 2, 1078, 823, 0
1358, BEAM , 1, 2, 1011, 161, 0	1392, BEAM , 1, 2, 1045, 485, 0	1426, BEAM , 1, 2, 1079, 829, 0
1359, BEAM , 1, 2, 1012, 167, 0	1393, BEAM , 1, 2, 1046, 511, 0	1427, BEAM , 1, 2, 1080, 835, 0
1360, BEAM , 1, 2, 1013, 173, 0	1394, BEAM , 1, 2, 1047, 517, 0	1428, BEAM , 1, 2, 1261, 861, 0
1361, BEAM , 1, 2, 1014, 179, 0	1395, BEAM , 1, 2, 1048, 523, 0	1429, BEAM , 1, 2, 1262, 867, 0
1362, BEAM , 1, 2, 1015, 185, 0	1396, BEAM , 1, 2, 1049, 529, 0	1430, BEAM , 1, 2, 1263, 873, 0
1363, BEAM , 1, 2, 1016, 211, 0	1397, BEAM , 1, 2, 1050, 535, 0	1431, BEAM , 1, 2, 1264, 879, 0
1364, BEAM , 1, 2, 1017, 217, 0	1398, BEAM , 1, 2, 1051, 561, 0	1432, BEAM , 1, 2, 1265, 885, 0
1365, BEAM , 1, 2, 1018, 223, 0	1399, BEAM , 1, 2, 1052, 567, 0	1433, BEAM , 2, 5, 30170, 30187, 0
1366, BEAM , 1, 2, 1019, 229, 0	1400, BEAM , 1, 2, 1053, 573, 0	1434, BEAM , 2, 5, 30171, 30188, 0
1367, BEAM , 1, 2, 1020, 235, 0	1401, BEAM , 1, 2, 1054, 579, 0	1435, BEAM , 2, 5, 30172, 30189, 0
1368, BEAM , 1, 2, 1021, 261, 0	1402, BEAM , 1, 2, 1055, 585, 0	1436, BEAM , 2, 5, 30173, 30190, 0
1369, BEAM , 1, 2, 1022, 267, 0	1403, BEAM , 1, 2, 1056, 611, 0	1437, BEAM , 2, 5, 30174, 30191, 0
1370, BEAM , 1, 2, 1023, 273, 0	1404, BEAM , 1, 2, 1057, 617, 0	1438, BEAM , 2, 5, 30175, 30192, 0
1371, BEAM , 1, 2, 1024, 279, 0	1405, BEAM , 1, 2, 1058, 623, 0	1439, BEAM , 2, 5, 30176, 30193, 0
1372, BEAM , 1, 2, 1025, 285, 0	1406, BEAM , 1, 2, 1059, 629, 0	1440, BEAM , 2, 5, 30177, 30194, 0
1373, BEAM , 1, 2, 1026, 311, 0	1407, BEAM , 1, 2, 1060, 635, 0	1441, BEAM , 2, 5, 30178, 30195, 0
1374, BEAM , 1, 2, 1027, 317, 0	1408, BEAM , 1, 2, 1061, 661, 0	1442, BEAM , 2, 5, 30179, 30196, 0
1375, BEAM , 1, 2, 1028, 323, 0	1409, BEAM , 1, 2, 1062, 667, 0	1443, BEAM , 2, 5, 30180, 30197, 0
1376, BEAM , 1, 2, 1029, 329, 0	1410, BEAM , 1, 2, 1063, 673, 0	1444, BEAM , 2, 5, 30181, 30198, 0
1377, BEAM , 1, 2, 1030, 335, 0	1411, BEAM , 1, 2, 1064, 679, 0	1445, BEAM , 2, 5, 30182, 30199, 0
1378, BEAM , 1, 2, 1031, 361, 0	1412, BEAM , 1, 2, 1065, 685, 0	1446, BEAM , 2, 5, 30183, 30200, 0
1379, BEAM , 1, 2, 1032, 367, 0	1413, BEAM , 1, 2, 1066, 711, 0	1447, BEAM , 2, 5, 30184, 30201, 0
1380, BEAM , 1, 2, 1033, 373, 0	1414, BEAM , 1, 2, 1067, 717, 0	1448, BEAM , 2, 5, 30185, 30202, 0
1381, BEAM , 1, 2, 1034, 379, 0	1415, BEAM , 1, 2, 1068, 723, 0	1449, BEAM , 2, 5, 30186, 30203, 0
1382, BEAM , 1, 2, 1035, 385, 0	1416, BEAM , 1, 2, 1069, 729, 0	1450, BEAM , 2, 6, 30187, 30204, 0
1383, BEAM , 1, 2, 1036, 411, 0	1417, BEAM , 1, 2, 1070, 735, 0	1451, BEAM , 2, 6, 30188, 30205, 0

1452, BEAM , 2, 6, 30189, 30206, 0	1489, BEAM , 2, 7, 30243, 30244, 0	1523, BEAM , 3, 1, 7, 56, 0
1453, BEAM , 2, 6, 30190, 30207, 0	1490, BEAM , 2, 7, 30244, 30222, 0	1524, BEAM , 3, 1, 28, 74, 0
1454, BEAM , 2, 6, 30191, 30208, 0	1491, BEAM , 2, 7, 30245, 30246, 0	1525, BEAM , 3, 1, 35, 80, 0
1455, BEAM , 2, 6, 30192, 30209, 0	1492, BEAM , 2, 7, 30246, 30223, 0	1526, BEAM , 3, 1, 73, 118, 0
1456, BEAM , 2, 6, 30193, 30210, 0	1493, BEAM , 2, 7, 30247, 30248, 0	1527, BEAM , 3, 1, 67, 112, 0
1457, BEAM , 2, 6, 30194, 30211, 0	1494, BEAM , 2, 7, 30248, 30224, 0	1528, BEAM , 3, 1, 61, 106, 0
1458, BEAM , 2, 6, 30195, 30212, 0	1495, BEAM , 2, 7, 30249, 30250, 0	1529, BEAM , 3, 1, 79, 124, 0
1459, BEAM , 2, 6, 30196, 30213, 0	1496, BEAM , 2, 7, 30250, 30225, 0	1530, BEAM , 3, 1, 85, 130, 0
1460, BEAM , 2, 6, 30197, 30214, 0	1497, BEAM , 2, 7, 30251, 30252, 0	1531, BEAM , 3, 1, 173, 218, 0
1461, BEAM , 2, 6, 30198, 30215, 0	1498, BEAM , 2, 7, 30252, 30226, 0	1532, BEAM , 3, 1, 167, 212, 0
1462, BEAM , 2, 6, 30199, 30216, 0	1499, BEAM , 2, 7, 30253, 30254, 0	1533, BEAM , 3, 1, 161, 206, 0
1463, BEAM , 2, 6, 30200, 30217, 0	1500, BEAM , 2, 7, 30254, 30227, 0	1534, BEAM , 3, 1, 179, 224, 0
1464, BEAM , 2, 6, 30201, 30218, 0	1501, BEAM , 2, 7, 30255, 30256, 0	1535, BEAM , 3, 1, 185, 230, 0
1465, BEAM , 2, 6, 30202, 30219, 0	1502, BEAM , 2, 7, 30256, 30228, 0	1536, BEAM , 3, 1, 223, 268, 0
1466, BEAM , 2, 6, 30203, 30220, 0	1503, BEAM , 2, 7, 30257, 30258, 0	1537, BEAM , 3, 1, 217, 262, 0
1467, BEAM , 2, 7, 30204, 30241, 0	1504, BEAM , 2, 7, 30258, 30229, 0	1538, BEAM , 3, 1, 211, 256, 0
1468, BEAM , 2, 7, 30205, 30243, 0	1505, BEAM , 2, 7, 30259, 30260, 0	1539, BEAM , 3, 1, 229, 274, 0
1469, BEAM , 2, 7, 30206, 30245, 0	1506, BEAM , 2, 7, 30260, 30230, 0	1540, BEAM , 3, 1, 235, 280, 0
1470, BEAM , 2, 7, 30207, 30247, 0	1507, BEAM , 2, 7, 30261, 30262, 0	1541, BEAM , 3, 1, 323, 368, 0
1471, BEAM , 2, 7, 30208, 30249, 0	1508, BEAM , 2, 7, 30262, 30231, 0	1542, BEAM , 3, 1, 317, 362, 0
1472, BEAM , 2, 7, 30209, 30251, 0	1509, BEAM , 2, 7, 30263, 30264, 0	1543, BEAM , 3, 1, 311, 356, 0
1473, BEAM , 2, 7, 30210, 30253, 0	1510, BEAM , 2, 7, 30264, 30232, 0	1544, BEAM , 3, 1, 329, 374, 0
1474, BEAM , 2, 7, 30211, 30255, 0	1511, BEAM , 2, 7, 30265, 30266, 0	1545, BEAM , 3, 1, 335, 380, 0
1475, BEAM , 2, 7, 30212, 30257, 0	1512, BEAM , 2, 7, 30266, 30233, 0	1546, BEAM , 3, 1, 373, 418, 0
1476, BEAM , 2, 7, 30213, 30259, 0	1513, BEAM , 2, 7, 30267, 30268, 0	1547, BEAM , 3, 1, 367, 412, 0
1477, BEAM , 2, 7, 30214, 30261, 0	1514, BEAM , 2, 7, 30268, 30237, 0	1548, BEAM , 3, 1, 361, 406, 0
1478, BEAM , 2, 7, 30215, 30263, 0	1515, BEAM , 2, 7, 30269, 30270, 0	1549, BEAM , 3, 1, 379, 424, 0
1479, BEAM , 2, 7, 30216, 30265, 0	1516, BEAM , 2, 7, 30270, 30238, 0	1550, BEAM , 3, 1, 385, 430, 0
1483, BEAM , 2, 7, 30217, 30267, 0	1517, BEAM , 2, 7, 30271, 30272, 0	1551, BEAM , 3, 1, 473, 518, 0
1484, BEAM , 2, 7, 30218, 30269, 0	1518, BEAM , 2, 7, 30272, 30239, 0	1552, BEAM , 3, 1, 467, 512, 0
1485, BEAM , 2, 7, 30219, 30271, 0	1519, BEAM , 2, 7, 30273, 30274, 0	1553, BEAM , 3, 1, 461, 506, 0
1486, BEAM , 2, 7, 30220, 30273, 0	1520, BEAM , 2, 7, 30274, 30240, 0	1554, BEAM , 3, 1, 479, 524, 0
1487, BEAM , 2, 7, 30241, 30242, 0	1521, BEAM , 3, 1, 21, 68, 0	1555, BEAM , 3, 1, 485, 530, 0
1488, BEAM , 2, 7, 30242, 30221, 0	1522, BEAM , 3, 1, 14, 62, 0	1556, BEAM , 3, 1, 523, 568, 0

1557, BEAM	, 3,	1,	517,	562,		C21				; 7th
0						3, CONC , C24		0, 0, .	line(STYPE=VALUE)	
1558, BEAM	, 3,	1,	511,	556,	C,	NO, 0.05, 1,	KSCCE-LSD12(RC),		; CyP2, CyM2, CzP2, CzM2, QyB2,	
0							C24		QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;	
1559, BEAM	, 3,	1,	529,	574,		4, CONC , C27		0, 0, .	8th line(STYPE=VALUE)	
0					C,	YES, 0.05, 1,	KSCCE-LSD12(RC),		; Y21, Y22, Y23, Y24, Z21, Z22, Z23,	
1560, BEAM	, 3,	1,	535,	580,			C27		Z24, Zyy2, Zzz2 ;	9th
0					*MATL-COLOR				line(STYPE=VALUE)	
1561, BEAM	, 3,	1,	623,	668,	:	iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B,			; OPT1, OPT2, [JOINT]	
0						HE_R, HE_G, HE_B, bBLEND, FACT				; 2nd
1562, BEAM	, 3,	1,	617,	662,		1, 255, 0, 0, 0, 255, 0, 0,			line(STYPE=PSC)	
0						0, 255, NO, 0.5			; ELAST, DEN, POIS, POIC	
1563, BEAM	, 3,	1,	611,	656,		2, 255, 0, 0, 0, 255, 0, 0,				; 2nd
0						0, 255, NO, 0.5			line(STYPE=PSC-CMPW)	
1564, BEAM	, 3,	1,	629,	674,		3, 255, 0, 0, 0, 255, 0, 0,			; bSSEARCHK, [SCHK-I], [SCHK-J],	
0						0, 255, NO, 0.5			[WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE	
1565, BEAM	, 3,	1,	635,	680,		4, 255, 0, 0, 0, 255, 0, 0,			; 3rd line(STYPE=PSC)	
0						0, 255, NO, 0.5			bSSEARCHK, bSYM, bHUNCH,	
1566, BEAM	, 3,	1,	673,	718,	*	SECTION : Section			[CMPWEB-I], [CMPWEB-J]	
0					:	ISEC, TYPE, SNAME, [OFFSET], bSD,			; 3rd line(STYPE=PSC-CMPW)	
1567, BEAM	, 3,	1,	667,	712,		SHAPE, [DATA1], [DATA2]			; bUSERDEFMESHSIZE, MESHSIZE,	
0						: 1st line - DB/USER			bUSERINPSTIFF, [STIFF-I], [STIFF-J]	
1568, BEAM	, 3,	1,	661,	706,	:	ISEC, TYPE, SNAME, [OFFSET], bSD,			; 4th line(STYPE=PSC)	
0						SHAPE, BLT, D1, ..., D8, iCEL				[SIZE-A]-i
1569, BEAM	, 3,	1,	679,	724,		1st line - VALUE				; 5th
0					:	AREA, ASy, ASz, lxx, lyy, lzz			line(STYPE=PSC)	
1570, BEAM	, 3,	1,	685,	730,					; 2nd line	[SIZE-B]-i
0										; 6th
1571, BEAM	, 3,	1,	773,	818,		CyP, CyM, CzP, CzM, QyB, QzB,			line(STYPE=PSC)	
0						PERI_OUT, PERI_IN, Cy, Cz				[SIZE-C]-i
1572, BEAM	, 3,	1,	767,	812,		3rd line				; 7th
0					:	Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy,				
1573, BEAM	, 3,	1,	761,	806,		Zzz			; 4th line	line(STYPE=PSC)
0										[SIZE-D]-i
1574, BEAM	, 3,	1,	779,	824,	:	ISEC, TYPE, SNAME, [OFFSET], bSD,				; 8th
0						SHAPE, ELAST, DEN, POIS, POIC, SF				
1575, BEAM	, 3,	1,	785,	830,		: 1st line - SRC			line(STYPE=PSC)	
0					:	D1, D2, [SRC]				[SIZE-A]-j
1576, BEAM	, 3,	1,	823,	868,					; 2nd line	; 9th
0					:	ISEC, TYPE, SNAME, [OFFSET], bSD,			line(STYPE=PSC)	
1577, BEAM	, 3,	1,	817,	862,		SHAPE, 1, DB, NAME1, NAME2, D1, D2				[SIZE-B]-j
0						: 1st line - COMBINED				; 10th
1578, BEAM	, 3,	1,	811,	856,	:	ISEC, TYPE, SNAME, [OFFSET], bSD,			line(STYPE=PSC)	
0						SHAPE, 2, D11, D12, D13, D14, D15, D21,				[SIZE-C]-j
1579, BEAM	, 3,	1,	829,	874,		D22, D23, D24				; 11th
0					:	ISEC, TYPE, SNAME, [OFFSET2], bSD,			line(STYPE=PSC)	
1580, BEAM	, 3,	1,	835,	880,		SHAPE, iyVAR, izVAR, STYPE				[SIZE-D]-j
0						: 1st line - TAPERED				; 12th
*MATERIAL : Material					:	DB, NAME1, NAME2			line(STYPE=PSC)	
: iMAT, TYPE, MNAME, SPHEAT, HEATCO,									; GN, CTC, Bc, Tc, Hh, EsEc, DsDc,	
PLAST, TUNIT, bMASS, DAMPRATIO										

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; [SIZE-B]-i ; OPT1, OPT2, [JOINT] NO, , NO, , , , ,
; 5th ; 2nd 0, 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,
line(STYPE=CMP-CI/CT) line 0.01
; [SIZE-C]-i ; bSHEARCHK, [SCHK], [WT], WIDTH, 0.265, 0.3, 0, 0, 0.275, 0, 0
; 6th bSYM, bSIDEHOLE ; 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,
line(STYPE=CMP-CI/CT) 3rd line 0.01
; [SIZE-D]-i ; bUSERDEFMESH SIZE, MESH SIZE, 0.265, 0.3, 0, 0, 0.275, 0, 0
; 7th bUSERINPSTIFF, [STIFF] 3, TAPERED , PSC-tap ,
line(STYPE=CMP-CI/CT) ; 4th line CB, 0, 0, 0, 0, 0, 0, 0, 0, YES, PSCI, 1, 1,
; [SIZE-A]-j ; [SIZE-A] PSC
; 8th ; 5th line , , NO, NO, NO, NO, NO, NO, NO,
line(STYPE=CMP-CI/CT) ; [SIZE-B] NO, NO
; [SIZE-B]-j ; 6th line YES, YES, 0, YES, 0, YES, 0, YES, 0,
; 9th ; [SIZE-C] YES, 0, YES, 0, YES, 0, YES, 0, YES, 0,
line(STYPE=CMP-CI/CT) ; 7th line YES, 0, YES, 0, YES, 0, 0, 0, YES, NO
; [SIZE-C]-j ; [SIZE-D] NO, , NO, , , , , , , , ,
; 10th ; 8th line 0, 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0,
line(STYPE=CMP-CI/CT) ; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, 0.2
; [SIZE-D]-j D4, D5, D6, D7, D8, D9, D10 0.075, 0.3, 0, 0, 0.275, 0, 0
; 11th ; [DATA2] : CCSHAPE or ICEL or IN1, IN2 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0, 0.2
line(STYPE=CMP-CI/CT) ; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, 0.075, 0.3, 0, 0, 0.275, 0, 0
; iSEC, TYPE, SNAME, [OFFSET], bSD, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, 0, 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,
STYLE1, STYLE2 IN2 0.01
; 1st line - CONSTRUCT ; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, 0.265, 0.3, 0, 0, 0.275, 0, 0
; SHAPE, ...(same with other type data D7, D8 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,
from shape) ; Before ; [OFFSET] : OFFSET, ICENT, IREF, IHORZ, 0.01
(STYPE1) HUSER, IVERT, VUSER 0.265, 0.3, 0, 0, 0.275, 0, 0
; SHAPE, ...(same with other type data ; [OFFSET2]: OFFSET, ICENT, IREF, IHORZ, 4, DBUSER , cross , CB,
from shape) ; After HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ 0, 0, 0, 0, 1, 1, YES, SB , 2, 1.7, 0.4, 0, 0,
(STYPE2) ; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 0, 0, 0, 0, 0, 0
; iSEC, TYPE, SNAME, [OFFSET], bSD, 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 5, DBUSER , COP1 ,
S H A P E 0(nCELL), 2(nCEL2) CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 10.4,
; 1st line - COMPOSITE-SB ; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 0, 0, 0, 0, 0, 0, 0
; Hw, tw, B, Bf1, B2, Bf2, tf2 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 6, TAPERED , COP2 ,
; 2nd line 5(nCELL), 11(nCEL2) CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1,
; N1, N2, Hr, Hr2, tr1, tr2 ; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), USER
; 3rd line 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 2, 10.4, 0, 0, 0, 0, 0, 2, 3.2, 0,
; SW, GN, CTC, Bc, Tc, Hh, EsEc, 8(nCELL), 18(nCEL2) 0, 0, 0, 0, 0
DsDc, Ps, Pc, bMulti, Elong, Esh ; ; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 7, DBUSER , Pier , CC,
4th line 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 3.2, 0, 0,
; iSEC, TYPE, SNAME, [OFFSET], bSD, 0(nCELL), 11(nCEL2) 0, 0, 0, 0, 0, 0
S H A P E ; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), *SECT-COLOR
; 1st line - COMPOSITE-SI 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), ; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B,
; Hw, tw, B, tf1, B2, tf2 0(nCELL), 18(nCEL2) HE_R, HE_G, HE_B, bBLEND, FACT
; 2nd line ; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz 1, 255, 0, 0, 0, 255, 0, 0,
; SW, GN, CTC, Bc, Tc, Hh, EsEc, ; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3 0, 255, NO, 0.5
DsDc, Ps, Pc, bMulti, Elong, Esh ; ; [WT] : bAUTO_TOR, TOR, 2, 255, 0, 0, 0, 255, 0, 0,
3rd line bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, 0, 255, NO, 0.5
; iSEC, TYPE, SNAME, [OFFSET], bSD, bAUTO_SHR3, SHR3 3, 255, 0, 0, 0, 255, 0, 0,
S H A P E ; [CMPWEB] : EFD, LRF, A, B, H, T 0, 255, NO, 0.5
; 1st line - COMPOSITE-CI/CT 1, PSC , PSC b-b , CB, 4, 255, 0, 0, 0, 255, 0, 0,
; OPT1, OPT2, [JOINT] 0, 0, 0, 0, 0, 0, YES, PSCI 0, 255, NO, 0.5
line ; , , NO, NO, NO, NO, NO, NO, NO, NO, 5, 255, 0, 0, 0, 255, 0, 0,
; [SIZE-A] YES, YES, 1.67, YES, 0.35, NO, 0, 0, 255, NO, 0.5
; 3rd line NO, 0, NO, 0, NO, 0, 0, YES, NO 0, 255, NO, 0.5
; [SIZE-B] NO, , NO, , , , , , 7, 255, 0, 0, 0, 255, 0, 0,
; 4th line 0, 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0, 0, 255, NO, 0.5
; [SIZE-C] 0.2 *DGN-SECT
; 5th line 0.075, 0.3, 0, 0, 0.275, 0, 0 ; iSEC, TYPE, SNAME, [OFFSET], bSD,
; [SIZE-D] 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0, 0.2 SHAPE, [DATA1], [DATA2]
; 6th line 0.075, 0.3, 0, 0, 0.275, 0, 0 ; 1st line - DB/USER
; SW, GN, CTC, Bc, Tc, Hh, EgDEsb, 2, PSC , PSC a-a , CB, ; iSEC, TYPE, SNAME, [OFFSET], bSD,
DgdDsb, Pgd, Psb ; 0, 0, 0, 0, 0, 0, YES, PSCI SHAPE, BLT, D1, ..., D8, ICEL
7th line , , NO, NO, NO, NO, NO, NO, NO, NO, 1st line - VALUE
; iSEC, TYPE, SNAME, [OFFSET], bSD, NO, NO ; AREA, ASy, ASz, lxx, lyy, lzz
S H A P E YES, YES, 1.75, YES, 0.02, NO, 0, ; 2nd line
; 1st line - PSC NO, 0, NO, 0, NO, 0, 0, YES, NO ; CyP, CyM, CzP, CzM, QyB, QzB,

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PERI_OUT, PERI_IN, Cy, Cz ; line(STYPE=PSC) from shape) ; After
3rd line ; [SIZE-C]-i (STYPE2)
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, ; 7th ; ISEC, TYPE, SNAME, [OFFSET], bSD,
Zzz ; 4th line line(STYPE=PSC) S H A P E
; ISEC, TYPE, SNAME, [OFFSET], bSD, ; [SIZE-D]-i ; 1st line - COMPOSITE-SB
SHAPE, ELAST, DEN, POIS, POIC, SF ; 8th ; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
; 1st line - SRC line(STYPE=PSC) ; 2nd line
; D1, D2, [SRC] ; [SIZE-A]-j ; N1, N2, Hr, Hr2, tr1, tr2
; 2nd line ; 9th ; 3rd line
; ISEC, TYPE, SNAME, [OFFSET], bSD, line(STYPE=PSC) ; SW, GN, CTC, Bc, Tc, Hh, EsEc,
SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; [SIZE-B]-j DsDc, Ps, Pc, bMulti, Elong, Esh ;
; 1st line - COMBINED ; 10th 4th line
; ISEC, TYPE, SNAME, [OFFSET], bSD, line(STYPE=PSC) ; ISEC, TYPE, SNAME, [OFFSET], bSD,
SHAPE, 2, D11, D12, D13, D14, D15, D21, ; [SIZE-C]-j S H A P E
D22, D23, D24 ; 11th ; 1st line - COMPOSITE-SI
; ISEC, TYPE, SNAME, [OFFSET2], bSD, line(STYPE=PSC) ; Hw, tw, B, tf1, B2, tf2
SHAPE, iyVAR, izVAR, STYPE ; [SIZE-D]-j ; 2nd line
; 1st line - TAPERED ; 12th ; SW, GN, CTC, Bc, Tc, Hh, EsEc,
; DB, NAME1, NAME2 line(STYPE=PSC) DsDc, Ps, Pc, bMulti, Elong, Esh ;
; 2nd ; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, 3rd line
line(STYPE=DB) Ps, Pc, bMULTI, EsEc-L, EsEc-S ; ISEC, TYPE, SNAME, [OFFSET], bSD,
; [DIM1], [DIM2] 2nd line(STYPE=CMP-B/I) S H A P E
; 2nd ; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 3rd ; 1st line - COMPOSITE-CI/CT
line(STYPE=USER) ; line(STYPE=CMP-B/I) ; OPT1, OPT2, [JOINT]
; D11, D12, D13, D14, D15, D16, D17, ; 2nd
D18 ; 2nd ; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, line
line(STYPE=VALUE) B2_j, Bf2_j, tf2_j ; 4th ; [SIZE-A]
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 line(STYPE=CMP-B/I) ; 3rd line
; 3rd ; N1, N2, Hr, Hr2, tr1, tr2 ; [SIZE-B]
line(STYPE=VALUE) ; 5th ; 4th line
; CyP1, CyM1, CzP1, CzM1, QyB1, line(STYPE=CMP-B) ; [SIZE-C]
QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; GN, CTC, Bc, Tc, Hh, EgdEsb, ; 5th line
4th line(STYPE=VALUE) DgdDsb, Pgd, Psb, bSYM, SW_j, SW_j ; [SIZE-D]
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, ; 2nd line(STYPE=CMP-CI/CT) ; 6th line
Z14, Zyy1, Zyy2 ; 5th ; OPT1, OPT2, [JOINT] ; SW, GN, CTC, Bc, Tc, Hh, EgdEsb,
line(STYPE=VALUE) ; 3rd DgdDsb, Pgd, Psb ;
; D21, D22, D23, D24, D25, D26, D27, line(STYPE=CMP-CI/CT) 7th line
D28 ; 6th ; [SIZE-A]-i ; ISEC, TYPE, SNAME, [OFFSET], bSD,
line(STYPE=VALUE) ; 4th ; S H A P E
; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 line(STYPE=CMP-CI/CT) ; 1st line - PSC
; 7th ; [SIZE-B]-i ; OPT1, OPT2, [JOINT]
line(STYPE=VALUE) ; 5th ; 2nd
; CyP2, CyM2, CzP2, CzM2, QyB2, line(STYPE=CMP-CI/CT) line
QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; ; [SIZE-C]-i ; bSHEARCHK, [SCHK], [WT], WIDTH,
8th line(STYPE=VALUE) ; 6th bSYM, bSIDEHOLE ;
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, line(STYPE=CMP-CI/CT) 3rd line
Z24, Zyy2, Zzz2 ; 9th ; [SIZE-D]-i ; bUSERDEFMESH SIZE, MESH SIZE,
line(STYPE=VALUE) ; 7th bUSERINPSTIFF, [STIFF]
; OPT1, OPT2, [JOINT] line(STYPE=CMP-CI/CT) ; 4th line
; 2nd ; [SIZE-A]-j ; [SIZE-A]
line(STYPE=PSC) ; 8th ; 5th line
; ELAST, DEN, POIS, POIC line(STYPE=CMP-CI/CT) ; [SIZE-B]
; 2nd ; [SIZE-B]-j ; 6th line
line(STYPE=PSC-CMPW) ; 9th ; [SIZE-C]
; bSHEARCHK, [SCHK-I], [SCHK-J], line(STYPE=CMP-CI/CT) ; 7th line
[WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; [SIZE-C]-j ; [SIZE-D]
; 3rd line(STYPE=PSC) ; 10th ; 8th line
; bSHEARCHK, bSYM, bHUNCH, line(STYPE=CMP-CI/CT) ; [DATA1] : 1, DB, NAME or 2, D1, D2, D3,
[CMPWEB-I], [CMPWEB-J] ; [SIZE-D]-j D4, D5, D6, D7, D8, D9, D10
; 3rd line(STYPE=PSC-CMPW) ; 11th ; [DATA2] : CCSHAPE or ICEL or IN1, IN2
; bUSERDEFMESH SIZE, MESH SIZE, line(STYPE=CMP-CI/CT) ; [SRC] : 1, DB, NAME1, NAME2 or 2, D1,
bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; ISEC, TYPE, SNAME, [OFFSET], bSD, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1,
; 4th line(STYPE=PSC) STYPE2, IN2
; [SIZE-A]-i ; 1st line - CONSTRUCT ; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6,
; 5th ; SHAPE, ...(same with other type data D7, D8
line(STYPE=PSC) from shape) ; Before ; [OFFSET] : OFFSET, iCENT, iREF, iHORZ,
; [SIZE-B]-i (STYPE1) HUSER, iVERT, VUSER
; 6th ; SHAPE, ...(same with other type data ; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ,

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HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ	0, 0, 0, 0, 1, 1, YES, SB , 2, 1.7, 0.4, 0, 0,	17, 1073, 30166, GEN , 0, 10000,
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL),	0, 0, 0, 0, 0, 0	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB),	5, DBUSER , COP1 ,	18, 1078, 30168, GEN , 0, 10000,
0(nCELL), 2(nCEL2)	CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 10.4,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL),	0, 0, 0, 0, 0, 0, 0, 0	19, 907, 1087, GEN , 0, 10000,
10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB),	6, TAPERED , COP2 ,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
5(nCELL), 11(nCEL2)	CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1,	20, 997, 30102, GEN , 0, 10000,
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL),	USER	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB),	2, 10.4, 0, 0, 0, 0, 0, 0, 2, 3.2, 0,	21, 1002, 30104, GEN , 0, 10000,
8(nCELL), 18(nCEL2)	0, 0, 0, 0, 0	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),	7, DBUSER , Pier , CC,	22, 1007, 30106, GEN , 0, 10000,
9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB),	0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 3.2, 0, 0,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0(nCELL), 11(nCEL2)	0, 0, 0, 0, 0, 0	23, 1012, 30108, GEN , 0, 10000,
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL),	*STLDCASE : Static Load Cases	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB),	: LCNAME, LCTYPE, DESC	24, 1017, 30110, GEN , 0, 10000,
0(nCELL), 18(nCEL2)	고정하중, USER,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	2차 고정하중, USER,	25, 1022, 30112, GEN , 0, 10000,
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	*CONSTRAINT : Supports	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
: [WT] : bAUTO_TOR, TOR,	: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz),	26, 1027, 30114, GEN , 0, 10000,
bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2,	GROUP	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
bAUTO_SHR3, SHR3	1086to1090 1266to1270 30221to30233	27, 1032, 30116, GEN , 0, 10000,
: [CMPWEB] : EFD, LRF, A, B, H, T	30237to30240, 111111,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
1, PSC , PSC b-b , CB,	*ELASTICLINK	28, 1037, 30118, GEN , 0, 10000,
0, 0, 0, 0, 0, 0, YES, PSCI	: INO, INODE1, INODE2, LINK, ANGLE, SDx,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
, , NO, NO, NO, NO, NO, NO, NO,	SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy,	29, 1042, 30120, GEN , 0, 10000,
NO, NO	DRz, GROUP : GEN	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
YES, YES, 1.67, YES, 0.35, NO, 0,	: INO, INODE1, INODE2, LINK, ANGLE,	30, 1047, 30122, GEN , 0, 10000,
NO, 0, NO, 0, NO, 0, 0, YES, NO	bSHEAR, DRy, DRz, GROUP	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
NO, , NO, , , , ,	: RIGID	31, 1052, 30124, GEN , 0, 10000,
0, 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0,	: INO, INODE1, INODE2, LINK, ANGLE, SDx,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.2	bSHEAR, DRy, DRz, GROUP	32, 1057, 30126, GEN , 0, 10000,
0.075, 0.3, 0, 0, 0.275, 0, 0	: TENS.COMP	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0, 0.2	: INO, INODE1, INODE2, LINK, ANGLE,	33, 1062, 30128, GEN , 0, 10000,
0.075, 0.3, 0, 0, 0.275, 0, 0	(UN)SYM, NUM, DIST1, FORCE1 ... DIST10,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
2, PSC , PSC a-a , CB,	FORCE10, DIR, bSHEAR, DRENDI, GROUP :	34, 1067, 30130, GEN , 0, 10000,
0, 0, 0, 0, 0, 0, YES, PSCI	MULTI LINEAR	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
, , NO, NO, NO, NO, NO, NO, NO,	1, 908, 1088, GEN , 0, 10000,	35, 1072, 30132, GEN , 0, 10000,
NO, NO	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
YES, YES, 1.75, YES, 0.02, NO, 0,	2, 998, 30136, GEN , 0, 10000,	36, 1077, 30134, GEN , 0, 10000,
NO, 0, NO, 0, NO, 0, 0, YES, NO	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
NO, , NO, , , , ,	3, 1003, 30138, GEN , 0, 10000,	37, 906, 1086, GEN , 0, 10000,
0, 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.01	4, 1008, 30140, GEN , 0, 10000,	38, 996, 30068, GEN , 0, 10000,
0.265, 0.3, 0, 0, 0.275, 0, 0	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,	5, 1013, 30142, GEN , 0, 10000,	39, 1001, 30070, GEN , 0, 10000,
0.01	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
0.265, 0.3, 0, 0, 0.275, 0, 0	6, 1018, 30144, GEN , 0, 10000,	40, 1006, 30072, GEN , 0, 10000,
3, TAPERED , PSC-tap ,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
CB, 0, 0, 0, 0, 0, 0, 0, YES, PSCI, 1, 1,	7, 1023, 30146, GEN , 0, 10000,	41, 1011, 30074, GEN , 0, 10000,
PSC	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
, , NO, NO, NO, NO, NO, NO, NO,	8, 1028, 30148, GEN , 0, 10000,	42, 1016, 30076, GEN , 0, 10000,
NO, NO	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
YES, YES, 0, YES, 0, YES, 0, YES, 0,	9, 1033, 30150, GEN , 0, 10000,	43, 1021, 30078, GEN , 0, 10000,
YES, 0, YES, 0, YES, 0, YES, 0, YES, 0,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
YES, 0, YES, 0, YES, 0, 0, 0, YES, NO	10, 1038, 30152, GEN , 0, 10000,	44, 1026, 30080, GEN , 0, 10000,
NO, , NO, , , , , , , , ,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0, 0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0,	11, 1043, 30154, GEN , 0, 10000,	45, 1031, 30082, GEN , 0, 10000,
0.2	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
0.075, 0.3, 0, 0, 0.275, 0, 0	12, 1048, 30156, GEN , 0, 10000,	46, 1036, 30084, GEN , 0, 10000,
0.14, 0.09, 0, 0, 1.32, 0.15, 0, 0, 0.2	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.075, 0.3, 0, 0, 0.275, 0, 0	13, 1053, 30158, GEN , 0, 10000,	47, 1041, 30086, GEN , 0, 10000,
0, 0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.01	14, 1058, 30160, GEN , 0, 10000,	48, 1046, 30088, GEN , 0, 10000,
0.265, 0.3, 0, 0, 0.275, 0, 0	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
0.14, 0.01, 0, 0, 1.73, 0.01, 0, 0,	15, 1063, 30162, GEN , 0, 10000,	49, 1051, 30090, GEN , 0, 10000,
0.01	10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,
0.265, 0.3, 0, 0, 0.275, 0, 0	16, 1068, 30164, GEN , 0, 10000,	50, 1056, 30092, GEN , 0, 10000,
4, DBUSER , cross , CB,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,	10000, 0, 0, 0, 0, NO, 0.5, 0.5,

51, 1061, 30094, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	85, 1055, 30022, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	119, 972, 30127, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
52, 1066, 30096, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	86, 1060, 30024, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	120, 977, 30129, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
53, 1071, 30098, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	87, 1065, 30026, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	121, 982, 30131, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
54, 1076, 30100, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	88, 1070, 30028, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	122, 987, 30133, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
55, 909, 1089, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	89, 1075, 30030, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	123, 911, 30069, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
56, 999, 30034, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	90, 1080, 30032, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	124, 916, 30071, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
57, 1004, 30036, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	91, 913, 30137, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	125, 921, 30073, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
58, 1009, 30038, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	92, 918, 30139, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	126, 926, 30075, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
59, 1014, 30040, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	93, 923, 30141, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	127, 931, 30077, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
60, 1019, 30042, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	94, 928, 30143, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	128, 936, 30079, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
61, 1024, 30044, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	95, 933, 30145, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	129, 941, 30081, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
62, 1029, 30046, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	96, 938, 30147, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	130, 946, 30083, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
63, 1034, 30048, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	97, 943, 30149, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	131, 951, 30085, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
64, 1039, 30050, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	98, 948, 30151, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	132, 956, 30087, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
65, 1044, 30052, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	99, 953, 30153, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	133, 961, 30089, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
66, 1049, 30054, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	100, 958, 30155, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	134, 966, 30091, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
67, 1054, 30056, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	101, 963, 30157, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	135, 971, 30093, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
68, 1059, 30058, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	102, 968, 30159, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	136, 976, 30095, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
69, 1064, 30060, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	103, 973, 30161, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	137, 981, 30097, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
70, 1069, 30062, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	104, 978, 30163, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	138, 986, 30099, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
71, 1074, 30064, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	105, 983, 30165, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	139, 914, 30035, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
72, 1079, 30066, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	106, 988, 30167, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	140, 919, 30037, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
73, 910, 1090, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	107, 912, 30103, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	141, 924, 30039, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
74, 1000, 30000, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	108, 917, 30105, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	142, 929, 30041, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
75, 1005, 30002, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	109, 922, 30107, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	143, 934, 30043, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
76, 1010, 30004, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	110, 927, 30109, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	144, 939, 30045, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
77, 1015, 30006, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	111, 932, 30111, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	145, 944, 30047, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
78, 1020, 30008, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	112, 937, 30113, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	146, 949, 30049, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
79, 1025, 30010, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	113, 942, 30115, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	147, 954, 30051, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
80, 1030, 30012, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	114, 947, 30117, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	148, 959, 30053, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
81, 1035, 30014, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	115, 952, 30119, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	149, 964, 30055, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,
82, 1040, 30016, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	116, 957, 30121, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	150, 969, 30057, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
83, 1045, 30018, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	117, 962, 30123, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	151, 974, 30059, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,
84, 1050, 30020, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	118, 967, 30125, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	152, 979, 30061, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,

153, 984, 30063, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	187, 30006, 30040, RIGID, 0.5, 0.5,	0, NO,	221, 30040, 30074, RIGID, 0.5, 0.5,	0, NO,
154, 989, 30065, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	188, 30007, 30041, RIGID, 0.5, 0.5,	0, NO,	222, 30041, 30075, RIGID, 0.5, 0.5,	0, NO,
155, 915, 30001, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	189, 30008, 30042, RIGID, 0.5, 0.5,	0, NO,	223, 30042, 30076, RIGID, 0.5, 0.5,	0, NO,
156, 920, 30003, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	190, 30009, 30043, RIGID, 0.5, 0.5,	0, NO,	224, 30043, 30077, RIGID, 0.5, 0.5,	0, NO,
157, 925, 30005, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	191, 30010, 30044, RIGID, 0.5, 0.5,	0, NO,	225, 30044, 30078, RIGID, 0.5, 0.5,	0, NO,
158, 930, 30007, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	192, 30011, 30045, RIGID, 0.5, 0.5,	0, NO,	226, 30045, 30079, RIGID, 0.5, 0.5,	0, NO,
159, 935, 30009, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	193, 30012, 30046, RIGID, 0.5, 0.5,	0, NO,	227, 30046, 30080, RIGID, 0.5, 0.5,	0, NO,
160, 940, 30011, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	194, 30013, 30047, RIGID, 0.5, 0.5,	0, NO,	228, 30047, 30081, RIGID, 0.5, 0.5,	0, NO,
161, 945, 30013, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	195, 30014, 30048, RIGID, 0.5, 0.5,	0, NO,	229, 30048, 30082, RIGID, 0.5, 0.5,	0, NO,
162, 950, 30015, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	196, 30015, 30049, RIGID, 0.5, 0.5,	0, NO,	230, 30049, 30083, RIGID, 0.5, 0.5,	0, NO,
163, 955, 30017, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	197, 30016, 30050, RIGID, 0.5, 0.5,	0, NO,	231, 30050, 30084, RIGID, 0.5, 0.5,	0, NO,
164, 960, 30019, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	198, 30017, 30051, RIGID, 0.5, 0.5,	0, NO,	232, 30051, 30085, RIGID, 0.5, 0.5,	0, NO,
165, 965, 30021, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	199, 30018, 30052, RIGID, 0.5, 0.5,	0, NO,	233, 30052, 30086, RIGID, 0.5, 0.5,	0, NO,
166, 970, 30023, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	200, 30019, 30053, RIGID, 0.5, 0.5,	0, NO,	234, 30053, 30087, RIGID, 0.5, 0.5,	0, NO,
167, 975, 30025, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	201, 30020, 30054, RIGID, 0.5, 0.5,	0, NO,	235, 30054, 30088, RIGID, 0.5, 0.5,	0, NO,
168, 980, 30027, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	202, 30021, 30055, RIGID, 0.5, 0.5,	0, NO,	236, 30055, 30089, RIGID, 0.5, 0.5,	0, NO,
169, 985, 30029, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	203, 30022, 30056, RIGID, 0.5, 0.5,	0, NO,	237, 30056, 30090, RIGID, 0.5, 0.5,	0, NO,
170, 990, 30031, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	204, 30023, 30057, RIGID, 0.5, 0.5,	0, NO,	238, 30057, 30091, RIGID, 0.5, 0.5,	0, NO,
171, 1263, 1268, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	205, 30024, 30058, RIGID, 0.5, 0.5,	0, NO,	239, 30058, 30092, RIGID, 0.5, 0.5,	0, NO,
172, 1262, 1267, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	206, 30025, 30059, RIGID, 0.5, 0.5,	0, NO,	240, 30059, 30093, RIGID, 0.5, 0.5,	0, NO,
173, 1261, 1266, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	207, 30026, 30060, RIGID, 0.5, 0.5,	0, NO,	241, 30060, 30094, RIGID, 0.5, 0.5,	0, NO,
174, 1264, 1269, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	208, 30027, 30061, RIGID, 0.5, 0.5,	0, NO,	242, 30061, 30095, RIGID, 0.5, 0.5,	0, NO,
175, 1265, 1270, GEN , 0, 10000, 10000, 0, 0, 0, 0, NO, 0.5, 0.5,	209, 30028, 30062, RIGID, 0.5, 0.5,	0, NO,	243, 30062, 30096, RIGID, 0.5, 0.5,	0, NO,
176, 993, 30169, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	210, 30029, 30063, RIGID, 0.5, 0.5,	0, NO,	244, 30063, 30097, RIGID, 0.5, 0.5,	0, NO,
177, 992, 30135, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	211, 30030, 30064, RIGID, 0.5, 0.5,	0, NO,	245, 30064, 30098, RIGID, 0.5, 0.5,	0, NO,
178, 991, 30101, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	212, 30031, 30065, RIGID, 0.5, 0.5,	0, NO,	246, 30065, 30099, RIGID, 0.5, 0.5,	0, NO,
179, 994, 30067, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	213, 30032, 30066, RIGID, 0.5, 0.5,	0, NO,	247, 30066, 30100, RIGID, 0.5, 0.5,	0, NO,
180, 995, 30033, GEN , 0, 10000, 10000, 10000, 0, 0, 0, NO, 0.5, 0.5,	214, 30033, 30067, RIGID, 0.5, 0.5,	0, NO,	248, 30067, 30101, RIGID, 0.5, 0.5,	0, NO,
181, 30000, 30034, RIGID, 0.5, 0.5,	215, 30034, 30068, RIGID, 0.5, 0.5,	0, NO,	249, 30068, 30102, RIGID, 0.5, 0.5,	0, NO,
182, 30001, 30035, RIGID, 0.5, 0.5,	216, 30035, 30069, RIGID, 0.5, 0.5,	0, NO,	250, 30069, 30103, RIGID, 0.5, 0.5,	0, NO,
183, 30002, 30036, RIGID, 0.5, 0.5,	217, 30036, 30070, RIGID, 0.5, 0.5,	0, NO,	251, 30070, 30104, RIGID, 0.5, 0.5,	0, NO,
184, 30003, 30037, RIGID, 0.5, 0.5,	218, 30037, 30071, RIGID, 0.5, 0.5,	0, NO,	252, 30071, 30105, RIGID, 0.5, 0.5,	0, NO,
185, 30004, 30038, RIGID, 0.5, 0.5,	219, 30038, 30072, RIGID, 0.5, 0.5,	0, NO,	253, 30072, 30106, RIGID, 0.5, 0.5,	0, NO,
186, 30005, 30039, RIGID, 0.5, 0.5,	220, 30039, 30073, RIGID, 0.5, 0.5,	0, NO,	254, 30073, 30107, RIGID, 0.5, 0.5,	0, NO,

255, 30074, 30108, RIGID, 0.5, 0.5,	0, NO,	289, 30108, 30142, RIGID, 0.5, 0.5,	0, NO,	323, 30080, 30176, RIGID, 0.5, 0.5,	0, NO,
256, 30075, 30109, RIGID, 0.5, 0.5,	0, NO,	290, 30109, 30143, RIGID, 0.5, 0.5,	0, NO,	324, 30082, 30177, RIGID, 0.5, 0.5,	0, NO,
257, 30076, 30110, RIGID, 0.5, 0.5,	0, NO,	291, 30110, 30144, RIGID, 0.5, 0.5,	0, NO,	325, 30084, 30178, RIGID, 0.5, 0.5,	0, NO,
258, 30077, 30111, RIGID, 0.5, 0.5,	0, NO,	292, 30111, 30145, RIGID, 0.5, 0.5,	0, NO,	326, 30086, 30179, RIGID, 0.5, 0.5,	0, NO,
259, 30078, 30112, RIGID, 0.5, 0.5,	0, NO,	293, 30112, 30146, RIGID, 0.5, 0.5,	0, NO,	327, 30088, 30180, RIGID, 0.5, 0.5,	0, NO,
260, 30079, 30113, RIGID, 0.5, 0.5,	0, NO,	294, 30113, 30147, RIGID, 0.5, 0.5,	0, NO,	328, 30090, 30181, RIGID, 0.5, 0.5,	0, NO,
261, 30080, 30114, RIGID, 0.5, 0.5,	0, NO,	295, 30114, 30148, RIGID, 0.5, 0.5,	0, NO,	329, 30092, 30182, RIGID, 0.5, 0.5,	0, NO,
262, 30081, 30115, RIGID, 0.5, 0.5,	0, NO,	296, 30115, 30149, RIGID, 0.5, 0.5,	0, NO,	330, 30094, 30183, RIGID, 0.5, 0.5,	0, NO,
263, 30082, 30116, RIGID, 0.5, 0.5,	0, NO,	297, 30116, 30150, RIGID, 0.5, 0.5,	0, NO,	331, 30096, 30184, RIGID, 0.5, 0.5,	0, NO,
264, 30083, 30117, RIGID, 0.5, 0.5,	0, NO,	298, 30117, 30151, RIGID, 0.5, 0.5,	0, NO,	332, 30098, 30185, RIGID, 0.5, 0.5,	0, NO,
265, 30084, 30118, RIGID, 0.5, 0.5,	0, NO,	299, 30118, 30152, RIGID, 0.5, 0.5,	0, NO,	333, 30100, 30186, RIGID, 0.5, 0.5,	0, NO,
266, 30085, 30119, RIGID, 0.5, 0.5,	0, NO,	300, 30119, 30153, RIGID, 0.5, 0.5,	0, NO,	334, 30170, 30069, RIGID, 0.5, 0.5,	0, NO,
267, 30086, 30120, RIGID, 0.5, 0.5,	0, NO,	301, 30120, 30154, RIGID, 0.5, 0.5,	0, NO,	335, 30171, 30071, RIGID, 0.5, 0.5,	0, NO,
268, 30087, 30121, RIGID, 0.5, 0.5,	0, NO,	302, 30121, 30155, RIGID, 0.5, 0.5,	0, NO,	336, 30172, 30073, RIGID, 0.5, 0.5,	0, NO,
269, 30088, 30122, RIGID, 0.5, 0.5,	0, NO,	303, 30122, 30156, RIGID, 0.5, 0.5,	0, NO,	337, 30173, 30075, RIGID, 0.5, 0.5,	0, NO,
270, 30089, 30123, RIGID, 0.5, 0.5,	0, NO,	304, 30123, 30157, RIGID, 0.5, 0.5,	0, NO,	338, 30174, 30077, RIGID, 0.5, 0.5,	0, NO,
271, 30090, 30124, RIGID, 0.5, 0.5,	0, NO,	305, 30124, 30158, RIGID, 0.5, 0.5,	0, NO,	339, 30175, 30079, RIGID, 0.5, 0.5,	0, NO,
272, 30091, 30125, RIGID, 0.5, 0.5,	0, NO,	306, 30125, 30159, RIGID, 0.5, 0.5,	0, NO,	340, 30176, 30081, RIGID, 0.5, 0.5,	0, NO,
273, 30092, 30126, RIGID, 0.5, 0.5,	0, NO,	307, 30126, 30160, RIGID, 0.5, 0.5,	0, NO,	341, 30177, 30083, RIGID, 0.5, 0.5,	0, NO,
274, 30093, 30127, RIGID, 0.5, 0.5,	0, NO,	308, 30127, 30161, RIGID, 0.5, 0.5,	0, NO,	342, 30178, 30085, RIGID, 0.5, 0.5,	0, NO,
275, 30094, 30128, RIGID, 0.5, 0.5,	0, NO,	309, 30128, 30162, RIGID, 0.5, 0.5,	0, NO,	343, 30179, 30087, RIGID, 0.5, 0.5,	0, NO,
276, 30095, 30129, RIGID, 0.5, 0.5,	0, NO,	310, 30129, 30163, RIGID, 0.5, 0.5,	0, NO,	344, 30180, 30089, RIGID, 0.5, 0.5,	0, NO,
277, 30096, 30130, RIGID, 0.5, 0.5,	0, NO,	311, 30130, 30164, RIGID, 0.5, 0.5,	0, NO,	345, 30181, 30091, RIGID, 0.5, 0.5,	0, NO,
278, 30097, 30131, RIGID, 0.5, 0.5,	0, NO,	312, 30131, 30165, RIGID, 0.5, 0.5,	0, NO,	346, 30182, 30093, RIGID, 0.5, 0.5,	0, NO,
279, 30098, 30132, RIGID, 0.5, 0.5,	0, NO,	313, 30132, 30166, RIGID, 0.5, 0.5,	0, NO,	347, 30183, 30095, RIGID, 0.5, 0.5,	0, NO,
280, 30099, 30133, RIGID, 0.5, 0.5,	0, NO,	314, 30133, 30167, RIGID, 0.5, 0.5,	0, NO,	348, 30184, 30097, RIGID, 0.5, 0.5,	0, NO,
281, 30100, 30134, RIGID, 0.5, 0.5,	0, NO,	315, 30134, 30168, RIGID, 0.5, 0.5,	0, NO,	349, 30185, 30099, RIGID, 0.5, 0.5,	0, NO,
282, 30101, 30135, RIGID, 0.5, 0.5,	0, NO,	316, 30135, 30169, RIGID, 0.5, 0.5,	0, NO,	350, 30186, 30101, RIGID, 0.5, 0.5,	0, NO,
283, 30102, 30136, RIGID, 0.5, 0.5,	0, NO,	317, 30068, 30170, RIGID, 0.5, 0.5,	0, NO,	; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV	
284, 30103, 30137, RIGID, 0.5, 0.5,	0, NO,	318, 30070, 30171, RIGID, 0.5, 0.5,	0, NO,	; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line 1	
285, 30104, 30138, RIGID, 0.5, 0.5,	0, NO,	319, 30072, 30172, RIGID, 0.5, 0.5,	0, NO,	*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806	
286, 30105, 30139, RIGID, 0.5, 0.5,	0, NO,	320, 30074, 30173, RIGID, 0.5, 0.5,	0, NO,	2차 고정하중, 1 *USE-STLD, 고정하중	
287, 30106, 30140, RIGID, 0.5, 0.5,	0, NO,	321, 30076, 30174, RIGID, 0.5, 0.5,	0, NO,	; *SELFWEIGHT, X, Y, Z, GROUP	
288, 30107, 30141, RIGID, 0.5, 0.5,	0, NO,	322, 30078, 30175, RIGID, 0.5, 0.5,	0, NO,	*SELFWEIGHT, 0, 0, -1.2, ; End of data for load case [고정하중]	

```
584, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
585, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
586, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
587, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
588, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
589, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
590, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], . , . , 0, -15.21, 1, -15.21, 0, 0, 0,
0, . , NO, 0, 0, NO
```

```
591, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
592, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], . , . , 0, -15.21, 1, -15.21, 0, 0, 0,
0, . , NO, 0, 0, NO
```

```
593, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
594, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0. 0. NO
```

```
595, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
596, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
597, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
598, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
599, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
600, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
601, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
602, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
603, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 , NO 0 0 NO
```

```
604, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 , NO , 0 , 0 , NO
```

```
605, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 , NO , 0 , 0 , NO
```

```
606, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
```



```
1368, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1369, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1370, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1371, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1372, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1373, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1374, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1375, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1376, BEAM      , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1377, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1378, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1379, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1380, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], . . . , 0, -15.21, 1, -15.21, 0, 0, 0,
0, . , NO, 0, 0, NO
```

```
1381, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1382, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1383, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0. 0. NO
```

```
1384, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
1385, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
1386, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
```

```
1387, BEAM    , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0. , NO, 0, 0, NO
```

```
1388, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
1389, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
0 NO 0 0 NO
```

```
1390, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -15.21, 1, -15.21, 0, 0, 0,
```

1345, BEAM , UNILoad, GZ, NO , NO,

```

0, , NO, 0, 0, NO
1391, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1392, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1393, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1394, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1395, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1396, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1397, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1398, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1399, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1400, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1401, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1402, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1403, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1404, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1405, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1406, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1407, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1408, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1409, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1410, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1411, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1412, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1413, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1414, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1415, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1416, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1417, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1418, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1419, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1420, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1421, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1422, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1423, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1424, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1425, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1426, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1427, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1428, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1429, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1430, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1431, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
1432, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , , 0, -15.21, 1, -15.21, 0, 0, 0,
0, , NO, 0, 0, NO
; End of data for load case [2차 고정하중]
-----
*SFUNCTION ; Spectrum Function
; FUNC=NAME, ITYPE, IMETHOD,
SCALE/MAX, GRAV, DRATIO, DESC, RMF
; line 1
; SPEC_CODE, [CODE_DATA]
; line 2
; PERIOD1, VALUE1, PERIOD2, VALUE2,
... ; from line 3
:[CODE_DATA] : NSC, SFI, SC, EQ, TG
; CH2001
:[CODE_DATA] : SFI, SC, EQ, TG
; CHSH2003
:[CODE_DATA] : DIV, SC, SFI, EQ, TG, G
; GB50111_2006
:[CODE_DATA] : BT, ZM, ST, SI, SC, TG,
Cl, CS, CD, EPA, SMAX, PERIOD ; JTG/T
B02-01-2008
FUNC=KS-Bridge, 1, 0, 1, 9.806, 0.05,
KS-Bridge : Soil = 1.20 Area = 0.110 I =
1.400 R = 1.000, 1.000000
KS_BRG
0.000000, 0.385,
0.100000, 0.385
0.200000, 0.385,
0.300000, 0.385
0.400000, 0.385,
0.437153, 0.385
0.500000, 0.35202205728,
0.600000, 0.3117327131
0.700000, 0.28128798775,
0.800000, 0.25732968494
0.900000, 0.23789658437,
1.000000, 0.22176
1.100000, 0.20810767128,
1.200000, 0.19637930358
1.300000, 0.18617483519,
1.400000, 0.17720032843
1.500000, 0.16923455362,
1.600000, 0.16210754341
1.700000, 0.15568637214,
1.800000, 0.14986545717
1.900000, 0.14455978012,
2.000000, 0.13970004601
2.100000, 0.13522915982,
2.200000, 0.13109961784
2.300000, 0.12727154677,
2.400000, 0.12371120918
2.500000, 0.12038985013,
2.600000, 0.11728279691
2.700000, 0.11436874886,
2.800000, 0.11162921192
2.900000, 0.10904804424,
3.000000, 0.10661108824
3.100000, 0.10430587013,
3.200000, 0.10212135314
3.300000, 0.10004773316,
3.400000, 0.098076268722
3.500000, 0.096199138629,
3.600000, 0.094409322071
3.700000, 0.092700497213,
3.800000, 0.091066954968
3.900000, 0.089503525352,
4.000000, 0.088005514321
4.100000, 0.084484702539,
4.200000, 0.08181334844
4.300000, 0.079286384484,
4.400000, 0.076892914002
4.500000, 0.074623085679,
4.600000, 0.072467972808
4.700000, 0.070419468744,
4.800000, 0.068470196111
4.900000, 0.066613427703,
5.000000, 0.064843017363
5.100000, 0.063153339425,
5.200000, 0.061539235506

```

5.300000,	0.05999596763,	;	: IMDTYPE, ICOEF, ICALC,	255
5.400000, 0.058519176842		bMASSP, FP1, DR1, bSTIFFP, FP2, DR2 ;	*ANAL-CTRL	
5.500000,	0.057104846562,	IMDTYPE=2, ICOEF=2	; bARDC, bANRC, iITER, TOL, bCSECF,	
5.600000, 0.055749270082		NAME=X-dir, XY, 0, 1, 1, NO, NO, LOG,	bTRS, bCRBAR, bTPF, bCSO, bSCS, bCLATS	
5.700000,	0.054449021654,	SRSS, NO, 0, YES	YES, YES, 20, 0.001, YES, YES, YES, NO,	
5.800000, 0.053200930731		KS-Bridge	NO, NO, NO	
5.900000,	0.052002058968,	YES, 1,YES, 1,YES, 1,YES, 1,YES,	*EIGEN-CTRL ; Eigenvalue Analysis	
6.000000, 0.050849679633		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	Control	
6.100000,	0.049741259164,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX,	
6.200000, 0.048674440592		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	FRMIN, FRMAX, bSTRUM ; TYPE=EIGEN	
6.300000,	0.047647028634,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; TYPE, bINCNL, iGNUM	
6.400000, 0.046656976256		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; TYPE=RITZ(line 1)	
6.500000,	0.045702372536,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; KIND1, CASE1/GROUND1, iNOG1, ...	
6.600000, 0.044781431699		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; TYPE=RITZ(from	
6.700000,	0.043892483175,	1,YES, 1,YES, 1,YES, 1	line2)	
6.800000, 0.043033962591		NAME=Y-dir, XY, 90, 1, 1, NO, NO, LOG,	RITZ, NO, 0	
6.900000,	0.042204403576,	SRSS, NO, 0, YES	GROUND, ACCX, 25, GROUND, ACCY, 25	
7.000000, 0.041402430319		KS-Bridge	*DGN-MATL ; Modify Steel(Concrete)	
7.100000,	0.040626750779,	YES, 1,YES, 1,YES, 1,YES, 1,YES,	Material	
7.200000, 0.039876150493		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; iMAT, TYPE, MNAME, [DATA1]	
7.300000,	0.039149486926,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; STEEL	
7.400000, 0.038445684293		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; iMAT, TYPE, MNAME, [DATA2], [R-DATA],	
7.500000,	0.037763728828,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	FCI, bSERV, SHORT, LONG ; CONC	
7.600000, 0.03710266444		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; iMAT, TYPE, MNAME, [DATA3], [DATA2],	
7.700000,	0.036461588724,	1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	[R-DATA] ; SRC	
7.800000, 0.035839649302		1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,	; iMAT, TYPE, MNAME, [DATA5]	
7.900000,	0.035236040451,	1,YES, 1,YES, 1,YES, 1	; STEEL(None) &	
8.000000, 0.03465		*MVLDCODE ; Moving Load Code	KSCE-ASD05	
8.100000,	0.034080806468,	; CODE=CODE	[DATA1] : 1, DB, CODE, NAME or 2,	
8.200000, 0.033527776421		CODE=NONE	ELAST, POISN, FU, FY1, FY2, FY3, FY4	
8.300000,	0.032990262037,	*LOADCOMB ; Combinations	; FY5, FY6, AFT, AFT2, AFT3, FY,	
8.400000, 0.032467648845		; NAME=NAME, KIND, ACTIVE, bES, iTYPE,	AFV, AFV2, AFV3	
8.500000,	0.031959353636,	DESC, iSERV-TYPE, nLCOMTYPE ; line 1	; [DATA2] : 1, DB, CODE, NAME or 2, FC,	
8.600000, 0.031464822534		; ANAL1, LCNAME1, FACT1, ...	CHK, LAMBDA	
8.700000,	0.030983529195,	; from line 2	; [DATA3] : 1, DB, CODE, NAME or 2,	
8.800000, 0.030514973144		NAME=고정하중, GEN, ACTIVE, 0, 0, , 0,	ELAST, FU, FY1, FY2, FY3, FY4	
8.900000,	0.030058678228,	0	; FY5, FY6, AFT, AFT2, AFT3,	
9.000000, 0.029614191177		ST, 고정하중, 1, ST, 2차 고정하중, 1	FY, AFV, AFV2, AFV3	
9.100000,	0.029181080266,	NAME=X-dir, GEN, ACTIVE, 0, 0, , 0, 0	; [DATA4] : 1, DB, CODE, NAME or 2, FC	
9.200000, 0.028758934067		RS, X-dir, 1	; [DATA5] : 3, ELAST, POISN, AL1, AL2,	
9.300000,	0.028347360289,	NAME=Y-dir, GEN, ACTIVE, 0, 0, , 0, 0	AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10	
9.400000, 0.027945984691		RS, Y-dir, 1	; MIN1, MIN2, MIN3	
9.500000,	0.027554450074,	NAME=com1, GEN, ACTIVE, 0, 0, , 0, 0	; [R-DATA]: RBCODE, RBMAIN, RBSUB,	
9.600000, 0.027172415334		RS, X-dir, 1, RS, Y-dir, 0.3	FY(R), FYS	
9.700000,	0.026799554579,	NAME=com2, GEN, ACTIVE, 0, 0, , 0, 0	1, CONC , C40 , 1,	
9.800000, 0.026435556303		RS, X-dir, 0.3, RS, Y-dir, 1	KSCE-LSD12(RC), ,C40	
9.900000,	0.02608012261,	*LC-COLOR ; Diagram Color for Load	, NO, 1, , , 0, 0, 28000, NO, 0, 0	
10.000000, 0.025732968494		Case	2, CONC , C21 , 1,	
*SPLDCASE ; Spectrum Load Cases		; ANAL, LCNAME, iR1(ALL), iG1(ALL),	KSCE-LSD12(RC), ,C21	
; TYPE, bADDSIGN, iSIGNTYPE		iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN),	, NO, 1, , , 0, 0, 14700, NO, 0, 0	
; NAME=NAME, DIR, ANGLE, SCALE, PMFT,		iR3(MAX), iG2(MAX), iB2(MAX)	3, CONC , C24 , 1,	
bDAMP, bECC, INTERP, DESC, ; line 1		ST, 고정하중, 210, 210, 210, 128, 192, 0,	KSCE-LSD12(RC), ,C24	
; COMTYPE, bADDSIGN, iSIGNTYPE,		0, 128, 255	, NO, 1, , , 0, 0, 16800, NO, 0, 0	
bMODE ; line 2		RS, X-dir, 192, 72, 0, 163, 160, 255, 148,	4, CONC , C27 , 1,	
; FUNC1, FUNC2, FUNC3, ...		87, 255	KSCE-LSD12(RC), ,C27	
; ; line 3		RS, Y-dir, 163, 160, 255, 255, 87, 87, 255,	, NO, 1, , , 0, 0, 18900, NO, 0, 0	
; bUSE1, dFACTOR1, bUSE2,		87, 128	*SECTION MANAGER-GROUP & PART ;	
dFACTOR2, ..., bUSEn, dFACTORn ;		CB, 고정하중, 255, 128, 0, 163, 160, 255,	Section Manager - Group & Part	
line 4 (bMODE=YES)		210, 210, 210	; SECT = NO, bSAMEJ	
; bCDR, [DR-DC]		ST, 2차 고정하중, 192, 0, 192, 192, 0, 192,	; line	
; line 5		192, 128, 0	1	
(bDAMP=YES)		CB, X-dir, 0, 192, 192, 160, 255, 255, 0,	; GRPDISIZE, GRPDJSIZE, PARTISIZE,	
; [DR-DC] : IMDTYPE, DALL, iMODE1,		128, 192	PARTJSIZE ;	
DAMPING1, iMODE2, DAMPING2, ... ;		CB, Y-dir, 255, 0, 192, 0, 128, 128, 0,	line 2	
IMDTYPE=1		192, 192	;	
; : IMDTYPE, ICOEF, bMASSP,		CB, com1, 160, 255, 255, 192, 128, 0,	 ;	
MASSC, bSTIFFP, STIFFC ;		146, 0, 255	 ;	
IMDTYPE=2, ICOEF=1		CB, com2, 192, 0, 192, 0, 128, 192, 78, 0,	; LOOP UTIL (GRPDISIZE,	

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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=3, YES
0, 0, 0, 0
;          SECT=6, 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=3, YES
0, 0
;          SECT=6, YES
0, 0
*ENDDATA

```