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; MIDAS/Civil Text(MCT) File.
; Date : 2015/4/7
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*VERSION
8.3.1

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

*PROJINFO : Project Information
USER=Registered User
ADDRESS=Microsoft Corporation

*STRUCTYPE : Structure Type
: ISTYP, IMASS, ISMAS, bMASSOFFSET,
bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM,
bALIGNSLAB, bROTIGID
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*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KSCE-LS012(RC), SD300, KSCE-LS012(RC),
SD300

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0			366,	18.4175035550744,	-1.638959152316,	0	
331,	44.86506420917,	2.77858412451587,	0	367,		26.5228673025458,	0
332,		42.1707965291708,	-0.00304851908959736,	0		402,	13.6575997706103,
-0.318337196491734,	0		368,	27.468480967645,	0.0881794635522757,	0	
333,		43.3123573825083,	0			403,	14.8271695462408,
-0.457401275704313,	0		369,	28.4140946327442,	0.179407446194149,	0	
334,	43.2095708891773,	-1.3011636455625,	0			404,	13.7392244525524,
0			370,		27.5501015903169,	0	
335,		44.4539182358459,	-0.757892681108764,	0		405,	
-0.596465354916891,	0		371,	37.4058465782982,	6.25611159825111,	-0.454385022051344,	0
336,	51.7144293291953,	1.9441996492404,	0			406,	
337,	52.8559901825329,	1.80513557002782,	0	372,	37.3030600857008,	5.41234923441495,	-0.228716770570471,
0						0	
338,	53.9975510358704,	1.66607149081524,	0	373,	37.2002735931033,	4.56858687057879,	0
0						0	
339,	51.3032833558712,	-1.43084983019236,	0	374,	36.9947006079084,	2.88106214290646,	0
0						0	
340,	52.4448442092087,	-1.56991390940494,	0	375,	36.8919141138438,	2.03729976702624,	0
0						0	
341,	52.3420577158777,	-2.41367627926313,	0	376,	36.7891276197792,	1.19353739114603,	0
0						0	
342,	53.5864050625463,	-1.70897798861752,	0	377,	59.6414666782021,	3.54738518667885,	-0.392982317012033,
0						0	
343,		-0.0816246819421287,	0	378,	59.5386801848711,	2.70362281682066,	0
0.846071753043349,	0					0	
344,		0.863984923886791,	0	379,	59.43589369154,	1.85986044696247,	0
0.937299344067532,	0		380,	60.5561583367589,	2.57967439839205,	0	
345,	1.80959452971571,	1.02852693509172,	0			0	
0			381,	59.230320704878,	0.172335707246085,	0	
346,	7.48325216468923,	1.57589248123681,	0			0	
0			382,		59.1275342115469,	0	
347,	8.65282194031973,	1.68872660697725,	-0.671426662612105,	0		418,	
0			383,	59.0247477182159,	-1.5151890324703,	-0.270275582844011,	0
348,	9.82239171595024,	1.80156073271769,	0			419,	35.7681291356085,
0			384,		60.1450123634347,	0	
349,	16.8398103697333,	2.47856548716031,	-0.795375081040708,	0		420,	56.2806727425455,
0			385,	3.70081374137355,	1.21098211714008,	0	
350,	18.0093801453638,	2.59139961290074,	0			421,	57.2981508944334,
0			386,	4.64642334720247,	1.30220970816426,	0	
351,	19.1789499209943,	2.70423373864118,	0			422,	58.3156290463212,
0			387,	5.59203295303139,	1.39343729918845,	0	
352,	26.1963685747773,	3.3812384930838,	0			423,	55.8695267692214,
353,	27.1419903584171,	3.47246725896105,	0	388,	12.1615312672113,	2.02722898419856,	0
0						0	
354,	28.0876121420569,	3.56369602483831,	389,	13.3311010428418,	2.140063109939,	0	
0			390,	14.5006708184723,	2.25289723567943,	0	
355,		0.244874045826386,	0			425,	56.7842184277782,
						0	

426,	57.904483072997,	-2.23500298389988,	462,	55.036325395877,	0.683245041744472,	0	499,	15.5069912302185,	4.05787486750657,
0			0				0		
427,	37.0974871005059,	3.72482450674262,	463,		54.9335389025459,	0	500,	15.5886159121606,	3.21180311446322,
0			-0.160517328113718,	0			0		
428,	36.6863411257145,	0.349775015265808,	464,	54.8307524092149,	-1.00427969797191,	0	501,	24.7819247533204,	5.80661962647341,
0			0				0		
429,	36.5835546316499,	-0.49398736061441,	465,	46.0066250625076,	2.63952004530329,	0	502,	24.8635494352626,	4.96054787343006,
0			0				0		
430,	59.333107198209,	1.01609807710428,	466,	45.5954790891834,	-0.73552943412947,	0	503,	24.9451741172047,	4.11447612038671,
431,	60.3505853500968,	0.892149658675673,	0				0		
0			467,	45.4926925958524,	-1.57929180398766,	0	504,	32.5707617697534,	6.55804688938313,
432,	58.9219612248849,	-2.35895140232849,	0				0		
0			468,	55.139111889208,	1.52700741160266,	0	505,	32.6524148665875,	5.71197787766361,
433,	58.8191747315538,	-3.20271377218668,	469,	54.7279659158838,	-1.8480420678301,	0	0		
0			0				0		
434,	59.9394393767727,	-2.48289982075709,	470,	54.6251794225528,	-2.69180443768829,	0	506,	33.5980285316867,	5.80320586030548,
0			0				0		
435,	41.7487411291505,	5.72706347172818,	471,	2.51033008971824,	3.65796978524595,	0	507,	32.7340679634217,	4.86590886594409,
0			0				0		
436,	41.6459546358195,	4.88330110186999,	472,	2.59195477166037,	2.8118980322026,	0	508,	6.61926724080244,	0.63859313716928,
0			473,	2.6735794536025,	1.96582627915925,	0	0		
437,	41.5431681424884,	4.0395387320118,	474,	10.7470874457544,	4.45261011758817,	0	509,		6.70089192274456,
438,	41.3375951558263,	2.35201399229542,	0				-0.207478615874069,	0	
0			475,	10.8287121276965,	3.60653836454482,	0	510,	6.78251660468669,	-1.05355036891742,
439,	41.2348086624953,	1.50825162243723,	0				0		
0			476,	10.9103368096386,	2.76046661150147,	0	511,	15.7518652760449,	1.51965960837652,
440,	41.1320221691643,	0.664489252579035,	0				0		
0			477,	20.1036456507984,	5.35528312351166,	0	512,	15.833489957987,	0.673587855333171,
441,	50.8812279558509,	4.61455083802755,	0				0		
0			478,	20.1852703327405,	4.50921137046832,	0	513,		15.9151146399292,
442,	50.7784414625199,	3.77078846816936,	0				-0.172483897710179,	0	
0			479,	20.2668950146827,	3.66313961742497,	0	514,	25.1084234810889,	2.42233261430001,
443,	50.6756549691888,	2.92702609831117,	0				0		
0			480,	28.7883233464377,	6.1931365252864,	0	515,	25.1900481630311,	1.57626086125667,
444,	50.4700819825268,	1.23950135859479,	481,	28.8699602061907,	5.34706594709612,	0	0		
0			0				516,	25.2716728449732,	0.730189108213315,
445,	50.3672954891957,	0.395738988736596,	482,	28.9515970659437,	4.50099536890584,	0	0		
0			0				517,	32.8973741570899,	3.17377084250506,
446,		50.2645089958647,	483,	2.83682881748676,	0.273682773072549,	0	0		
-0.448023381121594,	0		0				518,	32.97897042414,	2.32769634813788,
447,	41.4403816491574,	3.19577636215361,	484,		2.91845349942889,	0	519,	33.9245922077798,	2.41892511401513,
0			-0.572388979970801,	0			0		
448,		41.0292356758332,	485,	3.00007818137102,	-1.41846073301415,	0	520,	33.0605666911902,	1.48162185377069,
-0.179273117279155,	0		0				0		
449,	40.9264491825022,	-1.02303548713735,	486,	11.0735861735229,	1.06832310541477,	0	521,	2.75520413554463,	1.1197545261159,
0			0				522,	10.9919614915807,	1.91439485845812,
450,	50.5728684758578,	2.08326372845298,	487,	11.155210855465,	0.222251352371424,	0	0		
0			0				523,	20.3485196966248,	2.81706786438162,
451,	50.1617225025336,	-1.29178575097978,	488,		11.2368355374071,	0	0		
0			-0.623820400671926,	0			524,	29.0332339256967,	3.65492479071556,
452,	50.0589360092026,	-2.13554812083797,	489,	20.4301443785669,	1.97099611133827,	0	0		
0			0				525,	3.08170286331314,	-2.2645324860575,
453,	46.3149845425007,	5.17080715487786,	490,	20.511769060509,	1.12492435829492,	0	0		
0			491,	20.5933937424512,	0.278852605251568,	0	526,	3.16332754525527,	-3.11060423910085,
454,	46.2121980491697,	4.32704478501967,	0				0		
0			492,	29.1148707854497,	2.80885421252528,	0	527,	11.3184602193493,	-1.46989215371528,
455,	46.1094115558386,	3.48328241516148,	0				0		
0			493,	29.1964832895809,	1.96278128462886,	0	528,	11.4000849012914,	-2.31596390675862,
456,	45.9038385691765,	1.7957576754451,	0				0		
457,	45.8010520758455,	0.951995305586911,	494,	29.2780957937122,	1.11670835673244,	0	529,		20.6750184243933,
0			0				-0.567219147791781,	0	
458,	45.6982655825145,	0.10823293572872,	495,	6.29276851303392,	4.02288014934268,	0	530,	20.7566431063354,	-1.41329090083513,
0			0				0		
459,	55.4474713692011,	4.05829452117723,	496,	6.37439319497605,	3.17680839629933,	0	531,	29.3597082978435,	0.270635428836022,
0			0				0		
460,	55.3446848758701,	3.21453215131904,	497,	6.45601787691818,	2.33073664325598,	0	532,		29.4413208019747,
0			0				-0.575437499060398,	0	
461,	55.241898382539,	2.37076978146085,	498,	15.4253665482764,	4.90394662054992,	0	533,	6.53764255886031,	1.48466489021263,

0				25, PLATE ,	2,	1,	31,	240,	59, PLATE ,	2,	1,	76,	332,
534,	15.6702405941028,	2.36573136141987,	242,	241,	1				333,	317,	1		
0				26, PLATE ,	2,	1,	22,	245,	60, PLATE ,	2,	1,	78,	336,
535,	25.0267987991468,	3.26840436734336,	247,	246,	1				337,	322,	1		
0				27, PLATE ,	2,	1,	28,	250,	61, PLATE ,	2,	1,	80,	339,
536,	32.8157210602558,	4.01983985422457,	252,	251,	1				340,	327,	1		
0				28, BEAM ,	2,	3,	5,	41,	62, PLATE ,	2,	1,	83,	179,
537,	33.7613428438956,	4.11106862010183,	6.94551						344,	343,	1		
0				29, BEAM ,	2,	3,	28,	42,	63, PLATE ,	2,	1,	85,	184,
538,	6.86414128662882,	-1.89962212196077,	6.94551						347,	346,	1		
0				30, BEAM ,	2,	5,	35,	47,	64, PLATE ,	2,	1,	87,	189,
539,	6.94576596857095,	-2.74569387500412,	-5.51055						350,	349,	1		
0				31, BEAM ,	2,	5,	36,	49,	65, PLATE ,	2,	1,	89,	194,
540,	15.9967393218713,	-1.01855565075353,	-5.51055						353,	352,	1		
0				32, BEAM ,	2,	5,	41,	51,	66, PLATE ,	2,	1,	91,	199,
541,	16.0783640038134,	-1.86462740379688,	6.94551						356,	355,	1		
0				33, BEAM ,	2,	5,	42,	53,	67, PLATE ,	2,	1,	93,	204,
542,		25.3532975269153,	6.94551						360,	359,	1		
-0.115882644830034,	0			34, BEAM ,	2,	5,	47,	48,	68, PLATE ,	2,	1,	95,	209,
543,		25.4349222088575,	-5.51055						364,	363,	1		
-0.961954397873384,	0			35, BEAM ,	2,	5,	48,	43,	69, PLATE ,	2,	1,	97,	214,
544,	33.1421629582403,	0.635547359403514,	-5.51055						368,	367,	1		
0				36, BEAM ,	2,	5,	49,	50,	70, PLATE ,	2,	1,	99,	219,
545,	34.0877766233395,	0.726775342045387,	-5.51055						372,	371,	1		
0				37, BEAM ,	2,	5,	50,	44,	71, PLATE ,	2,	1,	100,	224,
546,		33.2237592252904,	-5.51055						375,	374,	1		
-0.210527134963667,	0			38, BEAM ,	2,	5,	51,	52,	72, PLATE ,	2,	1,	102,	249,
*ELEMENT	: Elements												
: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE,			6.94551						378,	377,	1		
iSUB, EXVAL, iOPT(EXVAL2) : Frame Element				39, BEAM ,	2,	5,	52,	45,	73, PLATE ,	2,	1,	103,	254,
: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE,			6.94551						382,	381,	1		
iSUB, EXVAL, EXVAL2, bLMT : Comp/Tens Truss				40, BEAM ,	2,	5,	53,	54,	74, PLATE ,	2,	1,	84,	259,
: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4,			6.94551						386,	385,	1		
iSUB, iWID : Planar Element				41, BEAM ,	2,	5,	54,	46,	75, PLATE ,	2,	1,	86,	264,
: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4,			6.94551						389,	388,	1		
iN5, iN6, iN7, iN8 : Solid Element				42, PLATE ,	2,	1,	55,	255,	76, PLATE ,	2,	1,	88,	269,
: iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX,			257,	256,	1				392,	391,	1		
RPY, RPZ, iSUB, EXVAL : Frame(Ref. Point)				43, PLATE ,	2,	1,	57,	260,	77, PLATE ,	2,	1,	90,	274,
1, PLATE ,	2,	1,	15,	175,	262,	261,	1		395,	394,	1		
177,	176,	1			44, PLATE ,	2,	1,	59,	265,	78, PLATE ,	2,	1,	92,
2, PLATE ,	2,	1,	12,	180,	267,	266,	1		398,	397,	1		
182,	181,	1			45, PLATE ,	2,	1,	61,	270,	79, PLATE ,	2,	1,	94,
3, PLATE ,	2,	1,	33,	185,	272,	271,	1		402,	401,	1		
187,	186,	1			46, PLATE ,	2,	1,	56,	275,	80, PLATE ,	2,	1,	96,
4, PLATE ,	2,	1,	13,	190,	277,	276,	1		406,	405,	1		
192,	191,	1			47, PLATE ,	2,	1,	58,	280,	81, PLATE ,	2,	1,	98,
5, PLATE ,	2,	1,	1,	195,	282,	281,	1		410,	409,	1		
197,	196,	1			48, PLATE ,	2,	1,	60,	285,	82, PLATE ,	2,	1,	107,
6, PLATE ,	2,	1,	4,	200,	287,	286,	1		414,	218,	1		
202,	201,	1			49, PLATE ,	2,	1,	62,	290,	83, PLATE ,	2,	1,	109,
7, PLATE ,	2,	1,	8,	205,	292,	291,	1		417,	223,	1		
207,	206,	1			50, PLATE ,	2,	1,	67,	295,	84, PLATE ,	2,	1,	71,
8, PLATE ,	2,	1,	6,	210,	296,	228,	1		421,	248,	1		
212,	211,	1			51, PLATE ,	2,	1,	69,	298,	85, PLATE ,	2,	1,	72,
17, BEAM ,	2,	3,	4,	35,	299,	233,	1		424,	253,	1		
-5.51055					52, PLATE ,	2,	1,	68,	302,	86, PLATE ,	2,	1,	108,
18, BEAM ,	2,	3,	6,	36,	303,	238,	1		427,	373,	1		
-5.51055					53, PLATE ,	2,	1,	70,	305,	87, PLATE ,	2,	1,	110,
20, PLATE ,	2,	1,	39,	215,	306,	243,	1		428,	376,	1		
217,	216,	1			54, PLATE ,	2,	1,	73,	309,	88, PLATE ,	2,	1,	111,
21, PLATE ,	2,	1,	38,	220,	311,	310,	1		430,	379,	1		
222,	221,	1			55, PLATE ,	2,	1,	75,	314,	89, PLATE ,	2,	1,	112,
22, PLATE ,	2,	1,	20,	225,	316,	315,	1		432,	383,	1		
227,	226,	1			56, PLATE ,	2,	1,	77,	319,	90, PLATE ,	2,	1,	115,
23, PLATE ,	2,	1,	5,	230,	321,	320,	1		436,	435,	1		
232,	231,	1			57, PLATE ,	2,	1,	79,	324,	91, PLATE ,	2,	1,	117,
24, PLATE ,	2,	1,	30,	235,	326,	325,	1		439,	438,	1		
237,	236,	1			58, PLATE ,	2,	1,	74,	329,	92, PLATE ,	2,	1,	119,
					330,	312,	1		442,	441,	1		

93, PLATE , 2,	1,	121,	244,	127, PLATE , 2,	1,	146,	488,	161, PLATE , 2,	1,	212,	213,
445, 444, 1				527, 361, 1				150, 214, 1			
94, PLATE , 2,	1,	116,	297,	128, PLATE , 2,	1,	148,	491,	162, PLATE , 2,	1,	215,	107,
447, 437, 1				529, 365, 1				218, 217, 1			
95, PLATE , 2,	1,	118,	301,	129, PLATE , 2,	1,	150,	494,	163, PLATE , 2,	1,	216,	217,
448, 440, 1				531, 369, 1				219, 99, 1			
96, PLATE , 2,	1,	120,	304,	130, PLATE , 2,	1,	152,	497,	164, PLATE , 2,	1,	217,	218,
450, 443, 1				533, 387, 1				108, 219, 1			
97, PLATE , 2,	1,	122,	308,	131, PLATE , 2,	1,	154,	500,	165, PLATE , 2,	1,	220,	109,
451, 446, 1				534, 390, 1				223, 222, 1			
98, PLATE , 2,	1,	125,	313,	132, PLATE , 2,	1,	156,	503,	166, PLATE , 2,	1,	221,	222,
454, 453, 1				535, 393, 1				224, 100, 1			
99, PLATE , 2,	1,	127,	318,	133, PLATE , 2,	1,	158,	507,	167, PLATE , 2,	1,	222,	223,
457, 456, 1				536, 396, 1				110, 224, 1			
100, PLATE , 2,	1,	129,	323,	134, PLATE , 2,	1,	160,	510,	168, PLATE , 2,	1,	225,	67,
460, 459, 1				538, 399, 1				228, 227, 1			
101, PLATE , 2,	1,	131,	328,	135, PLATE , 2,	1,	162,	513,	169, PLATE , 2,	1,	226,	227,
463, 462, 1				540, 403, 1				229, 115, 1			
102, PLATE , 2,	1,	126,	331,	136, PLATE , 2,	1,	164,	516,	170, PLATE , 2,	1,	227,	228,
465, 455, 1				542, 407, 1				116, 229, 1			
103, PLATE , 2,	1,	128,	335,	137, PLATE , 2,	1,	166,	520,	171, PLATE , 2,	1,	230,	69,
466, 458, 1				544, 411, 1				233, 232, 1			
104, PLATE , 2,	1,	130,	338,	138, PLATE , 2,	1,	175,	135,	172, PLATE , 2,	1,	231,	232,
468, 461, 1				178, 177, 1				234, 117, 1			
105, PLATE , 2,	1,	132,	342,	139, PLATE , 2,	1,	176,	177,	173, PLATE , 2,	1,	232,	233,
469, 464, 1				179, 83, 1				118, 234, 1			
106, PLATE , 2,	1,	135,	471,	140, PLATE , 2,	1,	177,	178,	174, PLATE , 2,	1,	235,	68,
472, 178, 1				136, 179, 1				238, 237, 1			
107, PLATE , 2,	1,	137,	474,	141, PLATE , 2,	1,	180,	137,	175, PLATE , 2,	1,	236,	237,
475, 183, 1				183, 182, 1				239, 119, 1			
108, PLATE , 2,	1,	139,	477,	142, PLATE , 2,	1,	181,	182,	176, PLATE , 2,	1,	237,	238,
478, 188, 1				184, 85, 1				120, 239, 1			
109, PLATE , 2,	1,	141,	480,	143, PLATE , 2,	1,	182,	183,	177, PLATE , 2,	1,	240,	70,
481, 193, 1				138, 184, 1				243, 242, 1			
110, PLATE , 2,	1,	143,	483,	144, PLATE , 2,	1,	185,	139,	178, PLATE , 2,	1,	241,	242,
484, 198, 1				188, 187, 1				244, 121, 1			
111, PLATE , 2,	1,	145,	486,	145, PLATE , 2,	1,	186,	187,	179, PLATE , 2,	1,	242,	243,
487, 203, 1				189, 87, 1				122, 244, 1			
112, PLATE , 2,	1,	147,	489,	146, PLATE , 2,	1,	187,	188,	180, PLATE , 2,	1,	245,	71,
490, 208, 1				140, 189, 1				248, 247, 1			
113, PLATE , 2,	1,	149,	492,	147, PLATE , 2,	1,	190,	141,	181, PLATE , 2,	1,	246,	247,
493, 213, 1				193, 192, 1				249, 102, 1			
114, PLATE , 2,	1,	151,	495,	148, PLATE , 2,	1,	191,	192,	182, PLATE , 2,	1,	247,	248,
496, 258, 1				194, 89, 1				111, 249, 1			
115, PLATE , 2,	1,	153,	498,	149, PLATE , 2,	1,	192,	193,	183, PLATE , 2,	1,	250,	72,
499, 263, 1				142, 194, 1				253, 252, 1			
116, PLATE , 2,	1,	155,	501,	150, PLATE , 2,	1,	195,	143,	184, PLATE , 2,	1,	251,	252,
502, 268, 1				198, 197, 1				254, 103, 1			
117, PLATE , 2,	1,	157,	504,	151, PLATE , 2,	1,	196,	197,	185, PLATE , 2,	1,	252,	253,
505, 273, 1				199, 91, 1				112, 254, 1			
118, PLATE , 2,	1,	159,	508,	152, PLATE , 2,	1,	197,	198,	186, PLATE , 2,	1,	255,	151,
509, 278, 1				144, 199, 1				258, 257, 1			
119, PLATE , 2,	1,	161,	511,	153, PLATE , 2,	1,	200,	145,	187, PLATE , 2,	1,	256,	257,
512, 283, 1				203, 202, 1				259, 84, 1			
120, PLATE , 2,	1,	163,	514,	154, PLATE , 2,	1,	201,	202,	188, PLATE , 2,	1,	257,	258,
515, 288, 1				204, 93, 1				152, 259, 1			
121, PLATE , 2,	1,	165,	517,	155, PLATE , 2,	1,	202,	203,	189, PLATE , 2,	1,	260,	153,
518, 293, 1				146, 204, 1				263, 262, 1			
122, PLATE , 2,	1,	136,	473,	156, PLATE , 2,	1,	205,	147,	190, PLATE , 2,	1,	261,	262,
521, 345, 1				208, 207, 1				264, 86, 1			
123, PLATE , 2,	1,	138,	476,	157, PLATE , 2,	1,	206,	207,	191, PLATE , 2,	1,	262,	263,
522, 348, 1				209, 95, 1				154, 264, 1			
124, PLATE , 2,	1,	140,	479,	158, PLATE , 2,	1,	207,	208,	192, PLATE , 2,	1,	265,	155,
523, 351, 1				148, 209, 1				268, 267, 1			
125, PLATE , 2,	1,	142,	482,	159, PLATE , 2,	1,	210,	149,	193, PLATE , 2,	1,	266,	267,
524, 354, 1				213, 212, 1				269, 88, 1			
126, PLATE , 2,	1,	144,	485,	160, PLATE , 2,	1,	211,	212,	194, PLATE , 2,	1,	267,	268,
525, 357, 1				214, 97, 1				156, 269, 1			

195, PLATE , 2,	1,	270,	157,	229, PLATE , 2,	1,	320,	321,	263, PLATE , 2,	1,	360,	361,
273, 272, 1				323, 129, 1				168, 362, 1			
196, PLATE , 2,	1,	271,	272,	230, PLATE , 2,	1,	321,	322,	264, PLATE , 2,	1,	209,	148,
274, 90, 1				130, 323, 1				365, 364, 1			
197, PLATE , 2,	1,	272,	273,	231, PLATE , 2,	1,	324,	80,	265, PLATE , 2,	1,	363,	364,
158, 274, 1				327, 326, 1				366, 34, 1			
198, PLATE , 2,	1,	275,	159,	232, PLATE , 2,	1,	325,	326,	266, PLATE , 2,	1,	364,	365,
278, 277, 1				328, 131, 1				169, 366, 1			
199, PLATE , 2,	1,	276,	277,	233, PLATE , 2,	1,	326,	327,	267, PLATE , 2,	1,	214,	150,
279, 92, 1				132, 328, 1				369, 368, 1			
200, PLATE , 2,	1,	277,	278,	234, PLATE , 2,	1,	329,	75,	268, PLATE , 2,	1,	367,	368,
160, 279, 1				315, 330, 1				370, 17, 1			
201, PLATE , 2,	1,	280,	161,	235, PLATE , 2,	1,	312,	330,	269, PLATE , 2,	1,	368,	369,
283, 282, 1				331, 126, 1				170, 370, 1			
202, PLATE , 2,	1,	281,	282,	236, PLATE , 2,	1,	330,	315,	270, PLATE , 2,	1,	219,	108,
284, 94, 1				127, 331, 1				373, 372, 1			
203, PLATE , 2,	1,	282,	283,	237, PLATE , 2,	1,	332,	81,	271, PLATE , 2,	1,	371,	372,
162, 284, 1				334, 333, 1				225, 20, 1			
204, PLATE , 2,	1,	285,	163,	238, PLATE , 2,	1,	317,	333,	272, PLATE , 2,	1,	372,	373,
288, 287, 1				335, 128, 1				67, 225, 1			
205, PLATE , 2,	1,	286,	287,	239, PLATE , 2,	1,	333,	334,	273, PLATE , 2,	1,	224,	110,
289, 96, 1				133, 335, 1				376, 375, 1			
206, PLATE , 2,	1,	287,	288,	240, PLATE , 2,	1,	336,	79,	274, PLATE , 2,	1,	374,	375,
164, 289, 1				325, 337, 1				230, 5, 1			
207, PLATE , 2,	1,	290,	165,	241, PLATE , 2,	1,	322,	337,	275, PLATE , 2,	1,	375,	376,
293, 292, 1				338, 130, 1				69, 230, 1			
208, PLATE , 2,	1,	291,	292,	242, PLATE , 2,	1,	337,	325,	276, PLATE , 2,	1,	249,	111,
294, 98, 1				131, 338, 1				379, 378, 1			
209, PLATE , 2,	1,	292,	293,	243, PLATE , 2,	1,	339,	82,	277, PLATE , 2,	1,	377,	378,
166, 294, 1				341, 340, 1				380, 24, 1			
210, PLATE , 2,	1,	295,	5,	244, PLATE , 2,	1,	327,	340,	278, PLATE , 2,	1,	378,	379,
231, 296, 1				342, 132, 1				113, 380, 1			
211, PLATE , 2,	1,	228,	296,	245, PLATE , 2,	1,	340,	341,	279, PLATE , 2,	1,	254,	112,
297, 116, 1				134, 342, 1				383, 382, 1			
212, PLATE , 2,	1,	296,	231,	246, PLATE , 2,	1,	179,	136,	280, PLATE , 2,	1,	381,	382,
117, 297, 1				345, 344, 1				384, 29, 1			
213, PLATE , 2,	1,	298,	21,	247, PLATE , 2,	1,	343,	344,	281, PLATE , 2,	1,	382,	383,
300, 299, 1				195, 1, 1				114, 384, 1			
214, PLATE , 2,	1,	233,	299,	248, PLATE , 2,	1,	344,	345,	282, PLATE , 2,	1,	259,	152,
301, 118, 1				143, 195, 1				387, 386, 1			
215, PLATE , 2,	1,	299,	300,	249, PLATE , 2,	1,	184,	138,	283, PLATE , 2,	1,	385,	386,
123, 301, 1				348, 347, 1				275, 56, 1			
216, PLATE , 2,	1,	302,	31,	250, PLATE , 2,	1,	346,	347,	284, PLATE , 2,	1,	386,	387,
241, 303, 1				200, 4, 1				159, 275, 1			
217, PLATE , 2,	1,	238,	303,	251, PLATE , 2,	1,	347,	348,	285, PLATE , 2,	1,	264,	154,
304, 120, 1				145, 200, 1				390, 389, 1			
218, PLATE , 2,	1,	303,	241,	252, PLATE , 2,	1,	189,	140,	286, PLATE , 2,	1,	388,	389,
121, 304, 1				351, 350, 1				280, 58, 1			
219, PLATE , 2,	1,	305,	32,	253, PLATE , 2,	1,	349,	350,	287, PLATE , 2,	1,	389,	390,
307, 306, 1				205, 8, 1				161, 280, 1			
220, PLATE , 2,	1,	243,	306,	254, PLATE , 2,	1,	350,	351,	288, PLATE , 2,	1,	269,	156,
308, 122, 1				147, 205, 1				393, 392, 1			
221, PLATE , 2,	1,	306,	307,	255, PLATE , 2,	1,	194,	142,	289, PLATE , 2,	1,	391,	392,
124, 308, 1				354, 353, 1				285, 60, 1			
222, PLATE , 2,	1,	309,	74,	256, PLATE , 2,	1,	352,	353,	290, PLATE , 2,	1,	392,	393,
312, 311, 1				210, 6, 1				163, 285, 1			
223, PLATE , 2,	1,	310,	311,	257, PLATE , 2,	1,	353,	354,	291, PLATE , 2,	1,	274,	158,
313, 125, 1				149, 210, 1				396, 395, 1			
224, PLATE , 2,	1,	311,	312,	258, PLATE , 2,	1,	199,	144,	292, PLATE , 2,	1,	394,	395,
126, 313, 1				357, 356, 1				290, 62, 1			
225, PLATE , 2,	1,	314,	76,	259, PLATE , 2,	1,	355,	356,	293, PLATE , 2,	1,	395,	396,
317, 316, 1				358, 11, 1				165, 290, 1			
226, PLATE , 2,	1,	315,	316,	260, PLATE , 2,	1,	356,	357,	294, PLATE , 2,	1,	279,	160,
318, 127, 1				167, 358, 1				399, 398, 1			
227, PLATE , 2,	1,	316,	317,	261, PLATE , 2,	1,	204,	146,	295, PLATE , 2,	1,	397,	398,
128, 318, 1				361, 360, 1				400, 63, 1			
228, PLATE , 2,	1,	319,	78,	262, PLATE , 2,	1,	359,	360,	296, PLATE , 2,	1,	398,	399,
322, 321, 1				362, 16, 1				171, 400, 1			

297, PLATE , 2, 1, 284, 162,	331, PLATE , 2, 1, 435, 436,	365, PLATE , 2, 1, 463, 464,
403, 402, 1	309, 73, 1	72, 250, 1
298, PLATE , 2, 1, 401, 402,	332, PLATE , 2, 1, 436, 437,	366, PLATE , 2, 1, 331, 127,
404, 64, 1	74, 309, 1	456, 465, 1
299, PLATE , 2, 1, 402, 403,	333, PLATE , 2, 1, 234, 118,	367, PLATE , 2, 1, 455, 465,
172, 404, 1	440, 439, 1	302, 68, 1
300, PLATE , 2, 1, 289, 164,	334, PLATE , 2, 1, 438, 439,	368, PLATE , 2, 1, 465, 456,
407, 406, 1	314, 75, 1	31, 302, 1
301, PLATE , 2, 1, 405, 406,	335, PLATE , 2, 1, 439, 440,	369, PLATE , 2, 1, 335, 133,
408, 65, 1	76, 314, 1	467, 466, 1
302, PLATE , 2, 1, 406, 407,	336, PLATE , 2, 1, 239, 120,	370, PLATE , 2, 1, 458, 466,
173, 408, 1	443, 442, 1	305, 70, 1
303, PLATE , 2, 1, 294, 166,	337, PLATE , 2, 1, 441, 442,	371, PLATE , 2, 1, 466, 467,
411, 410, 1	319, 77, 1	32, 305, 1
304, PLATE , 2, 1, 409, 410,	338, PLATE , 2, 1, 442, 443,	372, PLATE , 2, 1, 338, 131,
412, 66, 1	78, 319, 1	462, 468, 1
305, PLATE , 2, 1, 410, 411,	339, PLATE , 2, 1, 244, 122,	373, PLATE , 2, 1, 461, 468,
174, 412, 1	446, 445, 1	420, 71, 1
306, PLATE , 2, 1, 413, 38,	340, PLATE , 2, 1, 444, 445,	374, PLATE , 2, 1, 468, 462,
221, 414, 1	324, 79, 1	28, 420, 1
307, PLATE , 2, 1, 218, 414,	341, PLATE , 2, 1, 445, 446,	375, PLATE , 2, 1, 342, 134,
415, 108, 1	80, 324, 1	470, 469, 1
308, PLATE , 2, 1, 414, 221,	342, PLATE , 2, 1, 297, 117,	376, PLATE , 2, 1, 464, 469,
100, 415, 1	438, 447, 1	423, 72, 1
309, PLATE , 2, 1, 416, 40,	343, PLATE , 2, 1, 437, 447,	377, PLATE , 2, 1, 469, 470,
418, 417, 1	329, 74, 1	23, 423, 1
310, PLATE , 2, 1, 223, 417,	344, PLATE , 2, 1, 447, 438,	378, PLATE , 2, 1, 471, 55,
419, 110, 1	75, 329, 1	256, 472, 1
311, PLATE , 2, 1, 417, 418,	345, PLATE , 2, 1, 301, 123,	379, PLATE , 2, 1, 178, 472,
101, 419, 1	449, 448, 1	473, 136, 1
312, PLATE , 2, 1, 420, 28,	346, PLATE , 2, 1, 440, 448,	380, PLATE , 2, 1, 472, 256,
251, 421, 1	332, 76, 1	84, 473, 1
313, PLATE , 2, 1, 248, 421,	347, PLATE , 2, 1, 448, 449,	381, PLATE , 2, 1, 474, 57,
422, 111, 1	81, 332, 1	261, 475, 1
314, PLATE , 2, 1, 421, 251,	348, PLATE , 2, 1, 304, 121,	382, PLATE , 2, 1, 183, 475,
103, 422, 1	444, 450, 1	476, 138, 1
315, PLATE , 2, 1, 423, 23,	349, PLATE , 2, 1, 443, 450,	383, PLATE , 2, 1, 475, 261,
425, 424, 1	336, 78, 1	86, 476, 1
316, PLATE , 2, 1, 253, 424,	350, PLATE , 2, 1, 450, 444,	384, PLATE , 2, 1, 477, 59,
426, 112, 1	79, 336, 1	266, 478, 1
317, PLATE , 2, 1, 424, 425,	351, PLATE , 2, 1, 308, 124,	385, PLATE , 2, 1, 188, 478,
104, 426, 1	452, 451, 1	479, 140, 1
318, PLATE , 2, 1, 415, 100,	352, PLATE , 2, 1, 446, 451,	386, PLATE , 2, 1, 478, 266,
374, 427, 1	339, 80, 1	88, 479, 1
319, PLATE , 2, 1, 373, 427,	353, PLATE , 2, 1, 451, 452,	387, PLATE , 2, 1, 480, 61,
295, 67, 1	82, 339, 1	271, 481, 1
320, PLATE , 2, 1, 427, 374,	354, PLATE , 2, 1, 313, 126,	388, PLATE , 2, 1, 193, 481,
5, 295, 1	455, 454, 1	482, 142, 1
321, PLATE , 2, 1, 419, 101,	355, PLATE , 2, 1, 453, 454,	389, PLATE , 2, 1, 481, 271,
429, 428, 1	235, 30, 1	90, 482, 1
322, PLATE , 2, 1, 376, 428,	356, PLATE , 2, 1, 454, 455,	390, PLATE , 2, 1, 483, 56,
298, 69, 1	68, 235, 1	276, 484, 1
323, PLATE , 2, 1, 428, 429,	357, PLATE , 2, 1, 318, 128,	391, PLATE , 2, 1, 198, 484,
21, 298, 1	458, 457, 1	485, 144, 1
324, PLATE , 2, 1, 422, 103,	358, PLATE , 2, 1, 456, 457,	392, PLATE , 2, 1, 484, 276,
381, 430, 1	240, 31, 1	92, 485, 1
325, PLATE , 2, 1, 379, 430,	359, PLATE , 2, 1, 457, 458,	393, PLATE , 2, 1, 486, 58,
431, 113, 1	70, 240, 1	281, 487, 1
326, PLATE , 2, 1, 430, 381,	360, PLATE , 2, 1, 323, 130,	394, PLATE , 2, 1, 203, 487,
29, 431, 1	461, 460, 1	488, 146, 1
327, PLATE , 2, 1, 426, 104,	361, PLATE , 2, 1, 459, 460,	395, PLATE , 2, 1, 487, 281,
433, 432, 1	245, 22, 1	94, 488, 1
328, PLATE , 2, 1, 383, 432,	362, PLATE , 2, 1, 460, 461,	396, PLATE , 2, 1, 489, 60,
434, 114, 1	71, 245, 1	286, 490, 1
329, PLATE , 2, 1, 432, 433,	363, PLATE , 2, 1, 328, 132,	397, PLATE , 2, 1, 208, 490,
25, 434, 1	464, 463, 1	491, 148, 1
330, PLATE , 2, 1, 229, 116,	364, PLATE , 2, 1, 462, 463,	398, PLATE , 2, 1, 490, 286,
437, 436, 1	250, 28, 1	96, 491, 1

399, PLATE , 2, 1, 492, 62,	433, PLATE , 2, 1, 351, 523,	467, PLATE , 2, 1, 540, 363,
291, 493, 1	489, 147, 1	34, 541, 1
400, PLATE , 2, 1, 213, 493,	434, PLATE , 2, 1, 523, 391,	468, PLATE , 2, 1, 516, 97,
494, 150, 1	60, 489, 1	367, 542, 1
401, PLATE , 2, 1, 493, 291,	435, PLATE , 2, 1, 482, 90,	469, PLATE , 2, 1, 407, 542,
98, 494, 1	394, 524, 1	543, 173, 1
402, PLATE , 2, 1, 495, 12,	436, PLATE , 2, 1, 354, 524,	470, PLATE , 2, 1, 542, 367,
181, 496, 1	492, 149, 1	17, 543, 1
403, PLATE , 2, 1, 258, 496,	437, PLATE , 2, 1, 524, 394,	471, PLATE , 2, 1, 520, 106,
497, 152, 1	62, 492, 1	545, 544, 1
404, PLATE , 2, 1, 496, 181,	438, PLATE , 2, 1, 485, 92,	472, PLATE , 2, 1, 411, 544,
85, 497, 1	397, 525, 1	546, 174, 1
405, PLATE , 2, 1, 498, 33,	439, PLATE , 2, 1, 357, 525,	473, PLATE , 2, 1, 544, 545,
186, 499, 1	526, 167, 1	18, 546, 1
406, PLATE , 2, 1, 263, 499,	440, PLATE , 2, 1, 525, 397,	*MATERIAL : Material
500, 154, 1	63, 526, 1	: iMAT, TYPE, MNAME, SPEHEAT, HEATCO, PLAST,
407, PLATE , 2, 1, 499, 186,	441, PLATE , 2, 1, 488, 94,	TUNIT, bMASS, DAMPRATIO, [DATA1]
87, 500, 1	401, 527, 1	: STEEL, CONC, USER
408, PLATE , 2, 1, 501, 13,	442, PLATE , 2, 1, 361, 527,	: iMAT, TYPE, MNAME, SPEHEAT, HEATCO, PLAST,
191, 502, 1	528, 168, 1	TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
409, PLATE , 2, 1, 268, 502,	443, PLATE , 2, 1, 527, 401,	SRC
503, 156, 1	64, 528, 1	: [DATA1] : 1, DB, NAME, CODE
410, PLATE , 2, 1, 502, 191,	444, PLATE , 2, 1, 491, 96,	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN,
89, 503, 1	405, 529, 1	MASS
411, PLATE , 2, 1, 504, 14,	445, PLATE , 2, 1, 365, 529,	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy,
506, 505, 1	530, 169, 1	Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
412, PLATE , 2, 1, 273, 505,	446, PLATE , 2, 1, 529, 405,	: Orthotropic
507, 158, 1	65, 530, 1	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST,
413, PLATE , 2, 1, 505, 506,	447, PLATE , 2, 1, 494, 98,	POISN, THERMAL, DEN, MASS
105, 507, 1	409, 531, 1	1, CONC , C21 , 0, 0, , C,
414, PLATE , 2, 1, 508, 4,	448, PLATE , 2, 1, 369, 531,	YES, 0.05, 1, KSCE=LS12(RC),
201, 509, 1	532, 170, 1	C21
415, PLATE , 2, 1, 278, 509,	449, PLATE , 2, 1, 531, 409,	2, CONC , C27 , 0, 0, , C,
510, 160, 1	66, 532, 1	YES, 0.05, 1, KSCE=LS12(RC),
416, PLATE , 2, 1, 509, 201,	450, PLATE , 2, 1, 497, 85,	C27
93, 510, 1	346, 533, 1	*MATL-COLOR
417, PLATE , 2, 1, 511, 8,	451, PLATE , 2, 1, 387, 533,	: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B,
206, 512, 1	508, 159, 1	HE_R, HE_G, HE_B, bBLEND, FACT
418, PLATE , 2, 1, 283, 512,	452, PLATE , 2, 1, 533, 346,	1, 255, 0, 0, 0, 255, 0, 0,
513, 162, 1	4, 508, 1	0, 255, NO, 0.5
419, PLATE , 2, 1, 512, 206,	453, PLATE , 2, 1, 500, 87,	2, 255, 0, 0, 0, 255, 0, 0,
95, 513, 1	349, 534, 1	0, 255, NO, 0.5
420, PLATE , 2, 1, 514, 6,	454, PLATE , 2, 1, 390, 534,	*SECTION : Section
211, 515, 1	511, 161, 1	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE,
421, PLATE , 2, 1, 288, 515,	455, PLATE , 2, 1, 534, 349,	[DATA1], [DATA2]
516, 164, 1	8, 511, 1	: 1st line - DB/USER
422, PLATE , 2, 1, 515, 211,	456, PLATE , 2, 1, 503, 89,	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE,
97, 516, 1	352, 535, 1	BLT, D1, ..., DB, iCEL
423, PLATE , 2, 1, 517, 2,	457, PLATE , 2, 1, 393, 535,	: 1st line - VALUE
519, 518, 1	514, 163, 1	: AREA, ASy, ASz, lxx, lyy, lzz
424, PLATE , 2, 1, 293, 518,	458, PLATE , 2, 1, 535, 352,	: 2nd line
520, 166, 1	6, 514, 1	: CyP, CyM, CzP, CzM, QyB, QzB,
425, PLATE , 2, 1, 518, 519,	459, PLATE , 2, 1, 507, 105,	PERI_OUT, PERI_IN, Cy, Cz
106, 520, 1	537, 536, 1	: 3rd line
426, PLATE , 2, 1, 473, 84,	460, PLATE , 2, 1, 396, 536,	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy,
385, 521, 1	517, 165, 1	Zzz
427, PLATE , 2, 1, 345, 521,	461, PLATE , 2, 1, 536, 537,	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE,
483, 143, 1	2, 517, 1	ELAST, DEN, POIS, POIC, SF
428, PLATE , 2, 1, 521, 385,	462, PLATE , 2, 1, 510, 93,	: 1st line - SRC
56, 483, 1	359, 538, 1	: D1, D2, [SRC]
429, PLATE , 2, 1, 476, 86,	463, PLATE , 2, 1, 399, 538,	: 2nd line
388, 522, 1	539, 171, 1	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE,
430, PLATE , 2, 1, 348, 522,	464, PLATE , 2, 1, 538, 359,	1, DB, NAME1, NAME2, D1, D2
486, 145, 1	16, 539, 1	: 1st line - COMBINED
431, PLATE , 2, 1, 522, 388,	465, PLATE , 2, 1, 513, 95,	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE,
58, 486, 1	363, 540, 1	2, D11, D12, D13, D14, D15, D21, D22, D23,
432, PLATE , 2, 1, 479, 88,	466, PLATE , 2, 1, 403, 540,	D24
391, 523, 1	541, 172, 1	: iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE,

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iyVAR, izVAR, STYPE          ; 1st ; [SIZE-D]-j ; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc,
line - TAPERED ; 12th Ps, Pc, bMulti, Elong, Esh ; 3rd line
; DB, NAME1, NAME2 line(STYPE=PSC) ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line
; ; 2nd ; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps,
line(STYPE=DB) Pc, bMULTI, EsEc-L, EsEc-S ; 2nd - COMPOSITE-CI/CT
; [DIM1], [DIM2] line(STYPE=CMP-B/I) ; OPT1, OPT2, [JOINT]
; ; 2nd ; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, ; 2nd line
line(STYPE=USER) B2_i, Bf2_i, tf2_i ; 3rd ; [SIZE-A]
; D11, D12, D13, D14, D15, D16, D17, line(STYPE=CMP-B/I) ; 3rd line
D18 ; 2nd ; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, ; [SIZE-B]
line(STYPE=VALUE) B2_j, Bf2_j, tf2_j ; 4th ; 4th line
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 line(STYPE=CMP-B/I) ; [SIZE-C]
; ; 3rd ; N1, N2, Hr, Hr2, tr1, tr2 ; 5th line
line(STYPE=VALUE) ; 5th ; [SIZE-D]
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, line(STYPE=CMP-B) ; 6th line
PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th ; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, ; SW, GN, CTC, Bc, Tc, Hh, EgdEsb,
line(STYPE=VALUE) Pgd, Psb, bSYM, SW_i, SW_j ; 2nd DgdDsb, Pgd, Psb ; 7th
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, line(STYPE=CMP-CI/CT) line
Z14, Zyy1, Zyy2 ; 5th ; OPT1, OPT2, [JOINT] ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
line(STYPE=VALUE) ; 3rd ; 1st line
; D21, D22, D23, D24, D25, D26, D27, line(STYPE=CMP-CI/CT) - PSC
D28 ; 6th ; [SIZE-A]-i ; OPT1, OPT2, [JOINT]
line(STYPE=VALUE) ; 4th ; 2nd line
; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 line(STYPE=CMP-CI/CT) ; bSHEARCHK, [SCHK], [WT], WIDTH,
; ; 7th ; [SIZE-B]-i bSYM, bSIDEHOLE ; 3rd
line(STYPE=VALUE) ; 5th line
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, line(STYPE=CMP-CI/CT) ; bUSERDEFMESH SIZE, MESH SIZE,
PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th ; [SIZE-C]-i bUSERINPSTIFF, [STIFF] ;
line(STYPE=VALUE) ; 6th 4th line
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, line(STYPE=CMP-CI/CT) ; [SIZE-A]
Z24, Zyy2, Zzz2 ; 9th ; [SIZE-D]-i ; 5th line
line(STYPE=VALUE) ; 7th ; [SIZE-B]
; OPT1, OPT2, [JOINT] line(STYPE=CMP-CI/CT) ; 6th line
; ; 2nd ; [SIZE-A]-j ; [SIZE-C]
line(STYPE=PSC) ; 8th ; 7th line
; ELAST, DEN, POIS, POIC line(STYPE=CMP-CI/CT) ; [SIZE-D]
; ; 2nd ; [SIZE-B]-j ; 8th line
line(STYPE=PSC-CMPW) ; 9th ; [DATA1] : 1, DB, NAME or 2, D1, D2, D3,
; bSHEARCHK, [SCHK-I], [SCHK-J], line(STYPE=CMP-CI/CT) D4, D5, D6, D7, D8, D9, D10
[WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; ; [DATA2] : CSHAPE or ICEL or IN1, IN2
3rd line(STYPE=PSC) ; 10th ; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2,
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], line(STYPE=CMP-CI/CT) D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2
[CMPWEB-J] ; 3rd ; [SIZE-D]-j ; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6,
line(STYPE=PSC-CMPW) ; 11th D7, D8
; bUSERDEFMESH SIZE, MESH SIZE, line(STYPE=CMP-CI/CT) ; [OFFSET] : OFFSET, iCENT, iREF, iHORZ,
bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, HUSER, iVERT, VUSER
4th line(STYPE=PSC) ; 1st ; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ,
; [SIZE-A]-i line - CONSTRUCT HUSER1, HUSERJ, iVERT, VUSER1, VUSERJ
; 5th ; SHAPE, ...(same with other type data ; [JOINT] : 8(1CELL, 2CELL), 13(3CELL),
line(STYPE=PSC) from shape) ; Before 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB),
; [SIZE-B]-i (STYPE1) 0(nCELL), 2(nCEL2)
; 6th ; SHAPE, ...(same with other type data ; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL),
line(STYPE=PSC) from shape) ; After 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB),
; [SIZE-C]-i (STYPE2) 5(nCELL), 11(nCEL2)
; 7th ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL),
line(STYPE=PSC) ; 1st line 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB),
; [SIZE-D]-i - COMPOSITE-SB 8(nCELL), 18(nCEL2)
; 8th ; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),
line(STYPE=PSC) ; 2nd line 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB),
; [SIZE-A]-j ; N1, N2, Hr, Hr2, tr1, tr2 0(nCELL), 11(nCEL2)
; 9th ; 3rd line ; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL),
line(STYPE=PSC) ; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB),
; [SIZE-B]-j Ps, Pc, bMulti, Elong, Esh ; 4th line 0(nCELL), 18(nCEL2)
; 10th ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
line(STYPE=PSC) ; 1st line ; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [SIZE-C]-j - COMPOSITE-SI ; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1,
; 11th ; Hw, tw, B, tf1, B2, tf2 SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
line(STYPE=PSC) ; 2nd line ; [CMPWEB] : EFD, LRF, A, B, H, T

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2, TAPERED , P1-1A , CC, ; Y11, Y12, Y13, Y14, Z11, Z12, Z13, line(STYPE=CMP-CI/CT)
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER Z14, Zyy1, Zyy2 ; 5th ; OPT1, OPT2, [JOINT]
3.3, 6.8, 0, 0, 0, 0, 0, 0, 1.1, line(STYPE=VALUE) ; 3rd
6.8, 0, 0, 0, 0, 0, 0, 0, 3, TAPERED , P2-2A , CC, ; D21, D22, D23, D24, D25, D26, D27, line(STYPE=CMP-CI/CT)
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER D28 ; 6th ; [SIZE-A]-i
4.1, 6.8, 0, 0, 0, 0, 0, 0, 1.3, line(STYPE=VALUE) ; 4th
6.8, 0, 0, 0, 0, 0, 0, 0, 4, DBUSER , P1 , CC, line(STYPE=VALUE) ; 5th
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.1, 1.5, 0, ; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, line(STYPE=CMP-CI/CT)
0, 0, 0, 0, 0, 0, 0, 0, 5, DBUSER , P2 , CC, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th ; [SIZE-C]-i
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.3, 6.8, 0, ; Y21, Y22, Y23, Y24, Z21, Z22, Z23, line(STYPE=CMP-CI/CT)
0, 0, 0, 0, 0, 0, 0, 0, Z24, Zyy2, Zzz2 ; 9th ; [SIZE-D]-i
*SECT-COLOR line(STYPE=VALUE) ; 7th
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, ; OPT1, OPT2, [JOINT] line(STYPE=CMP-CI/CT)
HE_R, HE_G, HE_B, bBLEND, FACT ; 2nd ; [SIZE-A]-j
2, 255, 0, 0, 0, 255, 0, 0, line(STYPE=PSC) ; 8th
0, 255, NO, 0.5 ; ELAST, DEN, POIS, POIC line(STYPE=CMP-CI/CT)
3, 255, 0, 0, 0, 255, 0, 0, ; 2nd ; [SIZE-B]-j
0, 255, NO, 0.5 line(STYPE=PSC-CMPW) ; 9th
4, 255, 0, 0, 0, 255, 0, 0, ; bSHEARCHK, [SCHK-I], [SCHK-J], line(STYPE=CMP-CI/CT)
0, 255, NO, 0.5 [WT-I], [WT-J], Wl, WJ, bSYM, bSIDEHOLE ; ; [SIZE-C]-j
5, 255, 0, 0, 0, 255, 0, 0, 3rd line(STYPE=PSC) ; 10th
0, 255, NO, 0.5 ; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], line(STYPE=CMP-CI/CT)
*DGN-SECT [CMPWEB-J] ; 3rd ; [SIZE-D]-j
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, line(STYPE=PSC-CMPW) ; 11th
[DATA1], [DATA2] ; 1st ; bUSERDEFMESH SIZE, MESH SIZE, line(STYPE=CMP-CI/CT)
line - DB/USER bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; ; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1,
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 4th line(STYPE=PSC) ; STYPE2 ; 1st
BLT, D1, ..., D8, ICEL ; 1st ; line - CONSTRUCT
line - VALUE ; 5th ; SHAPE, ...(same with other type data
; AREA, ASy, ASz, lxx, lyy, lzz line(STYPE=PSC) ; Before
; ; 2nd line [SIZE-B]-i ; (STYLE1)
; CyP, CyM, CzP, CzM, QyB, QzB, ; 6th ; SHAPE, ...(same with other type data
PERI_OUT, PERI_IN, Cy, Cz ; line(STYPE=PSC) ; After
3rd line ; [SIZE-C]-i ; (STYLE2)
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, ; 7th ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
Zzz ; 4th line ; 1st line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ; [SIZE-D]-i - COMPOSITE-SB
ELAST, DEN, POIS, POIC, SF ; 1st ; 8th ; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
line - SRC line(STYPE=PSC) ; 2nd line
; D1, D2, [SRC] ; ; N1, N2, Hr, Hr2, tr1, tr2
; ; 2nd line ; 9th ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, line(STYPE=PSC) ; ; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc,
1, DB, NAME1, NAME2, D1, D2 ; 1st ; ; Ps, Pc, bMulti, Elong, Esh ; 4th line
line - COMBINED ; 10th ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, line(STYPE=PSC) ; 1st line
2, D11, D12, D13, D14, D15, D21, D22, D23, ; [SIZE-C]-j - COMPOSITE-SI
D24 ; 11th ; Hw, tw, B, tf1, B2, tf2
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, line(STYPE=PSC) ; 2nd line
iyVAR, izVAR, STYPE ; 1st ; [SIZE-D]-j ; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc,
line - TAPERED ; 12th ; Ps, Pc, bMulti, Elong, Esh ; 3rd line
; DB, NAME1, NAME2 line(STYPE=PSC) ; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; ; 2nd ; ; 1st line
line(STYPE=DB) ; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, ; 6th line
; [DIM1], [DIM2] line(STYPE=CMP-B/I) - COMPOSITE-CI/CT
; ; 2nd ; OPT1, OPT2, [JOINT]
line(STYPE=USER) ; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, ; 2nd line
; D11, D12, D13, D14, D15, D16, D17, B2_i, Bf2_i, tf2_i ; [SIZE-A]
D18 ; 2nd ; 3rd line
line(STYPE=VALUE) ; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, ; [SIZE-B]
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 B2_j, Bf2_j, tf2_j ; 4th line
; ; line(STYPE=CMP-B/I) ; [SIZE-C]
line(STYPE=VALUE) ; N1, N2, Hr, Hr2, tr1, tr2 ; 5th line
; ; 5th ; [SIZE-D]
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, line(STYPE=CMP-B) ; 6th line
PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th ; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, ; SW, GN, CTC, Bc, Tc, Hh, EgdEsb,
line(STYPE=VALUE) Pgd, Psb, bSYM, SW_i, SW_j ; 2nd DgdDsb, Pgd, Psb ; 7th

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line          ; iTHK, TYPE, SUBTYPE, RPOS, WEIGHT      4, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE              ; TYPE=STIFFENED, 7.004, 0, 0, 0, 0,
;                ; 1st line SUBTYPE=VALUE              5, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
- PSC          ;                SHAPE, THIK-IN, THIK-OUT, HU, HL 7.004, 0, 0, 0, 0,
;                ;                ; for yz section          6, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                ;                ; for xz section          7, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                bSEARCHK, [SCHK], [WT], WIDTH,          ; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK 7.004, 0, 0, 0, 0,
bSYM, bSIDEHOLE ;                ; TYPE=STIFFENED,          8, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
line           ;                SUBTYPE=USER              7.004, 0, 0, 0, 0,
;                bUSERDEFMESH SIZE, MESH SIZE,          ; bRIB {, SHAPE, DIST, SIZE1, SIZE2,
bUSERINPSTIFF, [STIFF] ;                ; bRIB {, SHAPE, DIST, SIZE2, SIZE2,
4th line       ;                ;                ; for yz section          21, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                [SIZE-A] ;                ;                ; for xz section          -7.004, 0, 0, 0, 0,
;                ; 5th line ;                ;                ;                22, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                [SIZE-B] ; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK, -7.004, 0, 0, 0, 0,
;                ; 6th line DBNAME ; TYPE=STIFFENED,          23, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                [SIZE-C] SUBTYPE=DB ;                ;                24, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                ; 7th line ;                bRIB {, SHAPE, DIST, SNAME} -7.004, 0, 0, 0, 0,
;                [SIZE-D] ;                ; for yz section          25, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
;                ; 8th line ;                bRIB {, SHAPE, DIST, SNAME} -7.004, 0, 0, 0, 0,
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3,              ;                ; for xz section          26, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
D4, D5, D6, D7, D8, D9, D10 ;                ;                1, VALUE, YES, 1.6, 0, NO, 0, 0 -7.004, 0, 0, 0, 0,
; [DATA2] : CCSHAPE or ICEL or IN1, IN2                *THIK-COLOR          27, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2,            ; iTHK, WLR, WLR, WLR, HF_R, HF_G, HF_B, -7.004, 0, 0, 0, 0,
D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2            HE_R, HE_G, HE_B, bBLEND, FACT          42, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6,            1, 255, 0, 0, 0, 255, 0, 0, 7.004, 0, 0, 0, 0,
D7, D8 ;                0, 255, NO, 0.5          43, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [OFFSET] : OFFSET, ICENT, IREF, IHORZ,              *STLDCASE ; Static Load Cases          7.004, 0, 0, 0, 0,
HUSER, IVERT, VUSER ; LCNAME, LCTYPE, DESC          44, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [OFFSET2]: OFFSET, ICENT, IREF, IHORZ,              고정하중, USER,          7.004, 0, 0, 0, 0,
HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ                2차고정하중, USER,          45, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL),              *CONSTRAINT ; Supports          7.004, 0, 0, 0, 0,
9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB),                  ; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP          46, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0(nCELL), 2(nCEL2) ;                1 2 11 14 15 18 24 25 29 38to40 43to46, 7.004, 0, 0, 0, 0,
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL),              111111,          47, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB),                ; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, 7.004, 0, 0, 0, 0,
5(nCELL), 11(nCEL2) bPRES, GRAV          48, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL),              ; LCNAME1, FACTOR1, LCNAME2, FACTOR2, 7.004, 0, 0, 0, 0,
6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB),                  ... ; from line 1          49, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
8(nCELL), 18(nCEL2) *LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806 7.004, 0, 0, 0, 0,
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),              2차고정하중, 1          50, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB),                  ; *USE-STLD, 고정하중          -7.004, 0, 0, 0, 0,
0(nCELL), 11(nCEL2) ;                ; *SELFWEIGHT, X, Y, Z, GROUP          51, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL),              ; *SELFWEIGHT, 0, 0, -1,          -7.004, 0, 0, 0, 0,
6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB),                  ; End of data for load case [고정하중]          52, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0(nCELL), 18(nCEL2) -----          -7.004, 0, 0, 0, 0,
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz            *USE-STLD, 2차고정하중          53, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3                *PRESSURE ; Pressure Loads          -7.004, 0, 0, 0, 0,
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1,                  ; ELEM_LIST, CMD, ETYP, LTYP, DIR, VX, VY, 54, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3              VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; 55, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
; [CMPWEB] : EFD, LRF, A, B, H, T                    ETYP=PLATE, LTYP=FACE          -7.004, 0, 0, 0, 0,
2, TAPERED , P1-1A , CC,                               ; ELEM_LIST, CMD, ETYP, LTYP, IEDGE, DIR, 56, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER          VX, VY, VZ, PU, P1, P2, GROUP ; -7.004, 0, 0, 0, 0,
3.3, 6.8, 0, 0, 0, 0, 0, 0, 1.1,                      ETYP=PLATE, LTYP=EDGE          57, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
6.8, 0, 0, 0, 0, 0, 0, 0, 0,                          ; ELEM_LIST, CMD, ETYP, IEDGE, DIR, VX, VY, -7.004, 0, 0, 0, 0,
3, TAPERED , P2-2A , CC,                               VZ, PU, P1, P2, GROUP ;          58, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER          ETYP=PLANE          -7.004, 0, 0, 0, 0,
4.1, 6.8, 0, 0, 0, 0, 0, 0, 1.3,                      ; ELEM_LIST, CMD, ETYP, IFACE, DIR, VX, VY, 59, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
6.8, 0, 0, 0, 0, 0, 0, 0, 0,                          VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; -7.004, 0, 0, 0, 0,
4, DBUSER , P1 , CC,                                   ETYP=SOLID          60, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.1, 1.5, 0,      ; [PLATE] : plate, plane stress, [PLANE] : -7.004, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0,                               axisymmetric, plane strain          61, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
5, DBUSER , P2 , CC,                                   1, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -7.004, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.3, 6.8, 0,      2, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
0, 0, 0, 0, 0, 0, 0, 0,                               7.004, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0,                               3, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
*THICKNESS ; Thickness          7.004, 0, 0, 0, 0,
; iTHK, TYPE, bSAME, THIK-IN, THIK-OUT,              7.004, 0, 0, 0, 0,
bOFFSET, OFFTYPE, VALUE ; TYPE=VALUE

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472, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
7.004, 0, 0, 0, 0,
473, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
7.004, 0, 0, 0, 0,
: End of data for load case [2차고정하중]
-----
*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, CI,
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,
4.200000, 0.08181334844
4.300000,
4.400000, 0.076892914002
4.500000,
4.600000, 0.072467972808
4.700000,
4.800000, 0.068470196111
4.900000,
5.000000, 0.064843017363
5.100000,
5.200000, 0.061539235506
5.300000,
5.400000, 0.058519176842
5.500000,
5.600000, 0.055749270082
5.700000,
5.800000, 0.053200930731
5.900000,
6.000000, 0.050849679633
6.100000,
6.200000, 0.048674440592
6.300000,
6.400000, 0.046656976256
6.500000,
6.600000, 0.044781431699
6.700000,
6.800000, 0.043033962591
6.900000,
7.000000, 0.041402430319
7.100000,
7.200000, 0.039876150493
7.300000,
7.400000, 0.038445684293
7.500000,
7.600000, 0.03710286444
7.700000,
7.800000, 0.035839649302
7.900000,
8.000000, 0.03465
8.100000,
8.200000, 0.033527776421
8.300000,
8.400000, 0.032467648845
8.500000,
8.600000, 0.031464822534
8.700000,
8.800000, 0.030514973144
8.900000,
9.000000, 0.029614191177
9.100000,
9.200000, 0.028758934067
9.300000,
9.400000, 0.027945984691
9.500000,
9.600000, 0.027172415334
9.700000,
9.800000, 0.026435556303
9.900000,
10.000000, 0.025732968494
*SPLDCASE : Spectrum Load Cases
: TYPE, bADDSIGN, iSIGNTYPE
: NAME=NAME, DIR, ANGLE, SCALE, PMFT, bDAMP,
bECC, INTERP, DESC, : line 1
: COMTYPE, bADDSIGN, iSIGNTYPE, bMODE
: line 2
: FUNC1, FUNC2, FUNC3, ...
: line 3
0.084484702539,
0.079286384484,
0.074623085679,
0.070419468744,
0.066613427703,
0.063153339425,
0.05999596763,
0.057104846562,
0.054449021654,
0.052002058968,
0.049741259164,
0.047647028634,
0.045702372536,
0.043892483175,
0.042204403576,
0.040626750779,
0.039149486926,
0.037763728828,
0.036461588724,
0.035236040451,
0.034080806468,
0.032990262037,
0.031959353636,
0.030983529195,
0.030058678228,
0.029181080266,
0.028347360289,
0.027554450074,
0.026799554579,
0.02608012261,
bUSE1, dFACTOR1, bUSE2, dFACTOR2,
..., bUSEn, dFACTORn : line 4
(bMODE=YES)
bCDR, [DR-DC]
: line 5
(bDAMP=YES)
: [DR-DC] : iMDTYPE, dALL, iMODE1, DAMPING1,
iMODE2, DAMPING2, ... : iMDTYPE=1
: : iMDTYPE, iCOEF, bMASSP, MASSC,
bSTIFFP, STIFFC : iMDTYPE=2,
iCOEF=1
: : iMDTYPE, iCOEF, iCALC, bMASSP,
FP1, DR1, bSTIFFP, FP2, DR2 : iMDTYPE=2,
iCOEF=2
NAME=XDIR, XY, 0, 1, 1, NO, NO, LOG,
SRSS, NO, 0, YES
KS-Bridge
YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1
NAME=YDIR, XY, 90, 1, 1, NO, NO, LOG,
SRSS, NO, 0, YES
KS-Bridge
YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1
*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
iSERV-TYPE, nLCOMTYPE : line 1
: ANAL1, LCNAME1, FACT1, ...
: from line 2
NAME=고정하중, GEN, ACTIVE, 0, 0, 0, 0
ST, 고정하중, 1, ST, 2차고정하중, 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, 163, 160, 255, 192, 0, 128,
0, 128, 128
RS, XDIR, 255, 255, 255, 146, 0, 255, 163,
160, 255
RS, YDIR, 160, 192, 255, 255, 87, 87, 93,
255, 87
ST, 2차고정하중, 255, 0, 128, 0, 128, 192,
0, 192, 128
CB, 고정하중, 160, 192, 255, 255, 0, 192,
0, 157, 192
*EIGEN-CTRL : Eigenvalue Analysis Control
: TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX,
FRMIN, FRMAX, bSTRUM : TYPE=EIGEN
: TYPE, bINCNL, iGNUM
: TYPE=RITZ(line 1)

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;          KIND1, CASE1/GROUND1, INOG1, ... *SECTION MANAGER-STIFFENER ; Section
;          ; TYPE=RITZ(from line2) Manager - Stiffener
RITZ, NO, 1 ; SECT = NO, bSAMEJ
GROUND, ACCX, 30, GROUND, ACCY, 30 ; line 1
*DGN-MATL ; Modify Steel(Concrete) ; STFNISIZE, STFNJSIZE
Material ; line 2
; iMAT, TYPE, MNAME, [DATA1] ;
; STEEL ;
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FC1, ;
bSERV, SHORT, LONG : CONC ; LOOP UTIL (STFNISIZE, STFNJSIZE)
; iMAT, TYPE, MNAME, [DATA3], [DATA2], ;
[R-DATA] : SRC ; TYPE, Z, STANDREF, POSLINE,
; iMAT, TYPE, MNAME, [DATA5] STANDREFL, NUM, CTC
; STEEL(None) & ; line n
KSCE-ASD05 ; STIFFTYPE, dSIZE(0 ~ 20)
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, ; line n
POISN, FU, FY1, FY2, FY3, FY4 ; LINESIZE, LINEINDEX[i].....
; FY5, FY6, AFT, AFT2, AFT3, FY, ; line n
AFV, AFV2, AFV3 ;
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, .....
LAMBDA ;
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, SECT=2, YES
FU, FY1, FY2, FY3, FY4 0, 0
; FY5, FY6, AFT, AFT2, AFT3, SECT=3, YES
FY, AFV, AFV2, AFV3 0, 0
; [DATA4] : 1, DB, CODE, NAME or 2, FC *ENDDATA
; [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, CONC , C27 , 1,
KSCE-LSD12(RC), ,C27 ,
NO, 1, . . . 0, 0, 18900, NO, 0, 0
*SECTION MANAGER-GROUP & PART ; Section
Manager - Group & Part
; SECT = NO, bSAMEJ
; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE,
PARTJSIZE ;
line 2
;
; .....
; ;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE)
;
; GROUPID, GROUPNAME, GROUPTYPE
; line n
;
; .....
; ;
; LOOP UTIL (PARTISIZE, PARTJSIZE)
;
; PARTTYPE, GROUPID, PARTNAME,
PARTSHAPE, bSTIFFENER ;
line n
; LINESIZE, LINEINDEX[1].....
; line n
;
; .....
; SECT=2, YES
0, 0, 0, 0
SECT=3, YES
0, 0, 0, 0

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