

1. 구조해석 입력자료

－ 재하시험 (INPUT)

*VERSION
8.4.5
*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
N, MM, KCAL, C
*STRUCTYPE : Structure Type
: ISTYP, IMASS, ISMAS, bMASSOFFSET, bSELFWEIGHT,
GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTGRID
0, 1, 1, NO, YES, 9806, 0, NO, NO, NO
*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE : Nodes
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566, 254950, -11250, 0	635, 216250, -3750, 0	59, BEAM , 1, 83, 60, 61, 0, 0	128, BEAM , 1, 17, 130, 131, 0, 0
567, 252450, -11250, 0	636, 216250, -11250, 0	60, BEAM , 1, 84, 61, 62, 0, 0	129, BEAM , 1, 75, 131, 132, 0, 0
568, 249950, -11250, 0	*ELEMENT : Elements	61, BEAM , 1, 1, 62, 63, 0, 0	130, BEAM , 1, 76, 132, 133, 0, 0
569, 246400, -11250, 0	: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,	62, BEAM , 1, 22, 64, 65, 0, 0	131, BEAM , 1, 74, 133, 134, 0, 0
570, 246000, -11250, 0	iOPT(EXVAL2) : Frame Element	63, BEAM , 1, 22, 65, 66, 0, 0	132, BEAM , 1, 78, 134, 135, 0, 0
571, 244950, -11250, 0	: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,	64, BEAM , 1, 22, 66, 67, 0, 0	133, BEAM , 1, 79, 135, 136, 0, 0
572, 240950, -11250, 0	EXVAL2, bLMT : Comp/Tens Truss	65, BEAM , 1, 21, 67, 68, 0, 0	134, BEAM , 1, 80, 136, 137, 0, 0
573, 239950, -11250, 0	: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ,	66, BEAM , 1, 17, 68, 69, 0, 0	135, BEAM , 1, 81, 137, 138, 0, 0
574, 238950, -11250, 0	LCAXIS : Planar Element	67, BEAM , 1, 17, 69, 620, 0, 0	136, BEAM , 1, 82, 138, 139, 0, 0
575, 234950, -11250, 0	: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7,	68, BEAM , 1, 75, 70, 617, 0, 0	137, BEAM , 1, 83, 139, 140, 0, 0
576, 233900, -11250, 0	iN8 : Solid Element	69, BEAM , 1, 76, 71, 72, 0, 0	138, BEAM , 1, 84, 140, 141, 0, 0
577, 233500, -11250, 0	1, BEAM , 1, 22, 1, 2, 0, 0	70, BEAM , 1, 74, 72, 73, 0, 0	139, BEAM , 1, 1, 141, 142, 0, 0
578, 229950, -11250, 0	2, BEAM , 1, 22, 2, 3, 0, 0	71, BEAM , 1, 78, 73, 74, 0, 0	140, BEAM , 1, 1, 142, 143, 0, 0
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593, 194950, -11250, 0	17, BEAM , 1, 1, 16, 17, 0, 0	86, BEAM , 1, 30, 88, 89, 0, 0	155, BEAM , 1, 79, 157, 158, 0, 0
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449, BEAM , 2, 73, 473, 472, 0, 0	518, BEAM , 2, 73, 523, 524, 0, 0	587, BEAM , 2, 73, 580, 579, 0, 0	656, BEAM , 2, 71, 405, 270, 0, 0
450, BEAM , 2, 73, 472, 471, 0, 0	519, BEAM , 2, 73, 524, 525, 0, 0	588, BEAM , 2, 73, 579, 578, 0, 0	657, BEAM , 2, 71, 270, 516, 0, 0
451, BEAM , 2, 73, 471, 470, 0, 0	520, BEAM , 2, 73, 525, 526, 0, 0	589, BEAM , 2, 73, 578, 577, 0, 0	658, BEAM , 2, 71, 516, 147, 0, 0
452, BEAM , 2, 73, 470, 469, 0, 0	521, BEAM , 2, 73, 526, 527, 0, 0	590, BEAM , 2, 73, 577, 576, 0, 0	659, BEAM , 2, 71, 38, 407, 0, 0
453, BEAM , 2, 73, 469, 468, 0, 0	522, BEAM , 2, 73, 527, 528, 0, 0	591, BEAM , 2, 73, 576, 575, 0, 0	660, BEAM , 2, 71, 407, 272, 0, 0
454, BEAM , 2, 73, 468, 467, 0, 0	523, BEAM , 2, 73, 528, 529, 0, 0	592, BEAM , 2, 73, 575, 574, 0, 0	661, BEAM , 2, 71, 272, 518, 0, 0
455, BEAM , 2, 73, 467, 466, 0, 0	524, BEAM , 2, 73, 529, 530, 0, 0	593, BEAM , 2, 73, 574, 573, 0, 0	662, BEAM , 2, 71, 518, 149, 0, 0
456, BEAM , 2, 73, 466, 465, 0, 0	525, BEAM , 2, 73, 530, 531, 0, 0	594, BEAM , 2, 73, 573, 572, 0, 0	663, BEAM , 2, 71, 41, 410, 0, 0
457, BEAM , 2, 73, 465, 464, 0, 0	526, BEAM , 2, 73, 531, 532, 0, 0	595, BEAM , 2, 73, 572, 571, 0, 0	664, BEAM , 2, 71, 410, 275, 0, 0
458, BEAM , 2, 73, 464, 463, 0, 0	527, BEAM , 2, 73, 532, 533, 0, 0	596, BEAM , 2, 73, 571, 570, 0, 0	665, BEAM , 2, 71, 275, 521, 0, 0
459, BEAM , 2, 73, 463, 462, 0, 0	528, BEAM , 2, 73, 533, 534, 0, 0	597, BEAM , 2, 73, 570, 569, 0, 0	666, BEAM , 2, 71, 521, 152, 0, 0
460, BEAM , 2, 73, 462, 630, 0, 0	529, BEAM , 2, 73, 534, 535, 0, 0	598, BEAM , 2, 73, 569, 568, 0, 0	667, BEAM , 2, 71, 19, 389, 0, 0
461, BEAM , 2, 73, 461, 635, 0, 0	530, BEAM , 2, 73, 535, 536, 0, 0	599, BEAM , 2, 73, 568, 567, 0, 0	668, BEAM , 2, 71, 389, 276, 0, 0
462, BEAM , 2, 73, 460, 459, 0, 0	531, BEAM , 2, 73, 536, 537, 0, 0	600, BEAM , 2, 73, 567, 566, 0, 0	669, BEAM , 2, 71, 276, 522, 0, 0
463, BEAM , 2, 73, 459, 458, 0, 0	532, BEAM , 2, 73, 537, 538, 0, 0	601, BEAM , 2, 73, 566, 565, 0, 0	670, BEAM , 2, 71, 522, 153, 0, 0
464, BEAM , 2, 73, 458, 457, 0, 0	533, BEAM , 2, 73, 538, 539, 0, 0	602, BEAM , 2, 73, 565, 564, 0, 0	671, BEAM , 2, 71, 31, 400, 0, 0
465, BEAM , 2, 73, 457, 456, 0, 0	534, BEAM , 2, 73, 539, 540, 0, 0	603, BEAM , 2, 73, 564, 563, 0, 0	672, BEAM , 2, 71, 400, 277, 0, 0
466, BEAM , 2, 73, 456, 455, 0, 0	535, BEAM , 2, 73, 540, 541, 0, 0	604, BEAM , 2, 73, 563, 624, 0, 0	673, BEAM , 2, 71, 277, 523, 0, 0
467, BEAM , 2, 73, 455, 454, 0, 0	536, BEAM , 2, 73, 541, 542, 0, 0	605, BEAM , 2, 73, 562, 626, 0, 0	674, BEAM , 2, 71, 523, 154, 0, 0
468, BEAM , 2, 73, 454, 453, 0, 0	537, BEAM , 2, 73, 542, 543, 0, 0	606, BEAM , 2, 73, 561, 560, 0, 0	675, BEAM , 2, 71, 23, 392, 0, 0
469, BEAM , 2, 73, 453, 452, 0, 0	538, BEAM , 2, 73, 543, 544, 0, 0	607, BEAM , 2, 73, 560, 559, 0, 0	676, BEAM , 2, 71, 392, 280, 0, 0
470, BEAM , 2, 73, 452, 451, 0, 0	539, BEAM , 2, 73, 544, 545, 0, 0	608, BEAM , 2, 73, 559, 558, 0, 0	677, BEAM , 2, 71, 280, 526, 0, 0
471, BEAM , 2, 73, 451, 450, 0, 0	540, BEAM , 2, 73, 545, 546, 0, 0	609, BEAM , 2, 73, 558, 557, 0, 0	678, BEAM , 2, 71, 526, 157, 0, 0
472, BEAM , 2, 73, 450, 449, 0, 0	541, BEAM , 2, 73, 546, 547, 0, 0	610, BEAM , 2, 73, 557, 556, 0, 0	679, BEAM , 2, 71, 25, 394, 0, 0
473, BEAM , 2, 73, 449, 448, 0, 0	542, BEAM , 2, 73, 547, 548, 0, 0	611, BEAM , 2, 72, 2, 372, 0, 0	680, BEAM , 2, 71, 394, 282, 0, 0
474, BEAM , 2, 73, 448, 447, 0, 0	543, BEAM , 2, 73, 548, 549, 0, 0	612, BEAM , 2, 72, 372, 249, 0, 0	681, BEAM , 2, 71, 282, 528, 0, 0
475, BEAM , 2, 73, 447, 446, 0, 0	544, BEAM , 2, 73, 549, 550, 0, 0	613, BEAM , 2, 72, 249, 495, 0, 0	682, BEAM , 2, 71, 528, 159, 0, 0
476, BEAM , 2, 73, 446, 445, 0, 0	545, BEAM , 2, 73, 550, 551, 0, 0	614, BEAM , 2, 72, 495, 126, 0, 0	683, BEAM , 2, 71, 28, 397, 0, 0
477, BEAM , 2, 73, 445, 444, 0, 0	546, BEAM , 2, 73, 551, 552, 0, 0	615, BEAM , 2, 72, 65, 434, 0, 0	684, BEAM , 2, 71, 397, 285, 0, 0
478, BEAM , 2, 73, 444, 443, 0, 0	547, BEAM , 2, 73, 552, 553, 0, 0	616, BEAM , 2, 72, 434, 311, 0, 0	685, BEAM , 2, 71, 285, 531, 0, 0
479, BEAM , 2, 73, 443, 442, 0, 0	548, BEAM , 2, 73, 553, 554, 0, 0	617, BEAM , 2, 72, 311, 557, 0, 0	686, BEAM , 2, 71, 531, 162, 0, 0
480, BEAM , 2, 73, 442, 441, 0, 0	549, BEAM , 2, 73, 554, 555, 0, 0	618, BEAM , 2, 72, 557, 188, 0, 0	687, BEAM , 2, 71, 30, 399, 0, 0
481, BEAM , 2, 73, 441, 440, 0, 0	550, BEAM , 2, 73, 555, 616, 0, 0	619, BEAM , 2, 71, 3, 373, 0, 0	688, BEAM , 2, 71, 399, 287, 0, 0
482, BEAM , 2, 73, 440, 623, 0, 0	551, BEAM , 2, 73, 616, 615, 0, 0	620, BEAM , 2, 71, 373, 250, 0, 0	689, BEAM , 2, 71, 287, 533, 0, 0
483, BEAM , 2, 73, 439, 625, 0, 0	552, BEAM , 2, 73, 615, 614, 0, 0	621, BEAM , 2, 71, 250, 496, 0, 0	690, BEAM , 2, 71, 533, 164, 0, 0
484, BEAM , 2, 73, 438, 437, 0, 0	553, BEAM , 2, 73, 614, 613, 0, 0	622, BEAM , 2, 71, 496, 127, 0, 0	691, BEAM , 2, 71, 43, 412, 0, 0
485, BEAM , 2, 73, 437, 436, 0, 0	554, BEAM , 2, 73, 613, 612, 0, 0	623, BEAM , 2, 71, 6, 376, 0, 0	692, BEAM , 2, 71, 412, 289, 0, 0
486, BEAM , 2, 73, 436, 435, 0, 0	555, BEAM , 2, 73, 612, 611, 0, 0	624, BEAM , 2, 71, 376, 253, 0, 0	693, BEAM , 2, 71, 289, 535, 0, 0
487, BEAM , 2, 73, 435, 434, 0, 0	556, BEAM , 2, 73, 611, 610, 0, 0	625, BEAM , 2, 71, 253, 499, 0, 0	694, BEAM , 2, 71, 535, 166, 0, 0
488, BEAM , 2, 73, 434, 433, 0, 0	557, BEAM , 2, 73, 610, 609, 0, 0	626, BEAM , 2, 71, 499, 130, 0, 0	695, BEAM , 2, 71, 46, 415, 0, 0
489, BEAM , 2, 73, 494, 495, 0, 0	558, BEAM , 2, 73, 609, 608, 0, 0	627, BEAM , 2, 71, 7, 377, 0, 0	696, BEAM , 2, 71, 415, 292, 0, 0
490, BEAM , 2, 73, 495, 496, 0, 0	559, BEAM , 2, 73, 608, 607, 0, 0	628, BEAM , 2, 71, 377, 254, 0, 0	697, BEAM , 2, 71, 292, 538, 0, 0
491, BEAM , 2, 73, 496, 497, 0, 0	560, BEAM , 2, 73, 607, 606, 0, 0	629, BEAM , 2, 71, 254, 500, 0, 0	698, BEAM , 2, 71, 538, 169, 0, 0
492, BEAM , 2, 73, 497, 498, 0, 0	561, BEAM , 2, 73, 606, 605, 0, 0	630, BEAM , 2, 71, 500, 131, 0, 0	699, BEAM , 2, 71, 48, 417, 0, 0
493, BEAM , 2, 73, 498, 499, 0, 0	562, BEAM , 2, 73, 605, 604, 0, 0	631, BEAM , 2, 71, 8, 378, 0, 0	700, BEAM , 2, 71, 417, 294, 0, 0
494, BEAM , 2, 73, 499, 500, 0, 0	563, BEAM , 2, 73, 604, 603, 0, 0	632, BEAM , 2, 71, 378, 255, 0, 0	701, BEAM , 2, 71, 294, 540, 0, 0
495, BEAM , 2, 73, 500, 501, 0, 0	564, BEAM , 2, 73, 603, 602, 0, 0	633, BEAM , 2, 71, 255, 501, 0, 0	702, BEAM , 2, 71, 540, 171, 0, 0
496, BEAM , 2, 73, 501, 502, 0, 0	565, BEAM , 2, 73, 602, 601, 0, 0	634, BEAM , 2, 71, 501, 132, 0, 0	703, BEAM , 2, 71, 51, 420, 0, 0
497, BEAM , 2, 73, 502, 503, 0, 0	566, BEAM , 2, 73, 601, 600, 0, 0	635, BEAM , 2, 71, 11, 381, 0, 0	704, BEAM , 2, 71, 420, 297, 0, 0
498, BEAM , 2, 73, 503, 504, 0, 0	567, BEAM , 2, 73, 600, 599, 0, 0	636, BEAM , 2, 71, 381, 258, 0, 0	705, BEAM , 2, 71, 297, 543, 0, 0
499, BEAM , 2, 73, 504, 505, 0, 0	568, BEAM , 2, 73, 599, 598, 0, 0	637, BEAM , 2, 71, 258, 504, 0, 0	706, BEAM , 2, 71, 543, 174, 0, 0
500, BEAM , 2, 73, 505, 506, 0, 0	569, BEAM , 2, 73, 598, 597, 0, 0	638, BEAM , 2, 71, 504, 135, 0, 0	707, BEAM , 2, 71, 52, 421, 0, 0
501, BEAM , 2, 73, 506, 507, 0, 0	570, BEAM , 2, 73, 597, 596, 0, 0	639, BEAM , 2, 71, 13, 383, 0, 0	708, BEAM , 2, 71, 421, 298, 0, 0
502, BEAM , 2, 73, 507, 508, 0, 0	571, BEAM , 2, 73, 596, 595, 0, 0	640, BEAM , 2, 71, 383, 260, 0, 0	709, BEAM , 2, 71, 298, 544, 0, 0
503, BEAM , 2, 73, 508, 509, 0, 0	572, BEAM , 2, 73, 595, 594, 0, 0	641, BEAM , 2, 71, 260, 506, 0, 0	710, BEAM , 2, 71, 544, 175, 0, 0
504, BEAM , 2, 73, 509, 510, 0, 0	573, BEAM , 2, 73, 594, 593, 0, 0	642, BEAM , 2, 71, 506, 137, 0, 0	711, BEAM , 2, 71, 53, 422, 0, 0
505, BEAM , 2, 73, 510, 511, 0, 0	574, BEAM , 2, 73, 593, 592, 0, 0	643, BEAM , 2, 71, 15, 385, 0, 0	712, BEAM , 2, 71, 422, 299, 0, 0
506, BEAM , 2, 73, 511, 512, 0, 0	575, BEAM , 2, 73, 592, 591, 0, 0	644, BEAM , 2, 71, 385, 263, 0, 0	713, BEAM , 2, 71, 299, 545, 0, 0
507, BEAM , 2, 73, 512, 513, 0, 0	576, BEAM , 2, 73, 591, 590, 0, 0	645, BEAM , 2, 71, 263, 509, 0, 0	714, BEAM , 2, 71, 545, 176, 0, 0
508, BEAM , 2, 73, 513, 514, 0, 0	577, BEAM , 2, 73, 590, 589, 0, 0	646, BEAM , 2, 71, 509, 140, 0, 0	715, BEAM , 2, 71, 56, 425, 0, 0
509, BEAM , 2, 73, 514, 515, 0, 0	578, BEAM , 2, 73, 589, 588, 0, 0	647, BEAM , 2, 71, 17, 387, 0, 0	716, BEAM , 2, 71, 425, 302, 0, 0
510, BEAM , 2, 73, 515, 516, 0, 0	579, BEAM , 2, 73, 588, 587, 0, 0	648, BEAM , 2, 71, 387, 265, 0, 0	717, BEAM , 2, 71, 302, 548, 0, 0
511, BEAM , 2, 73, 516, 517, 0, 0	580, BEAM , 2, 73, 587, 586, 0, 0	649, BEAM , 2, 71, 265, 511, 0, 0	718, BEAM , 2, 71, 548, 179, 0, 0
512, BEAM , 2, 73, 517, 518, 0, 0	581, BEAM , 2, 73, 586, 585, 0, 0	650, BEAM , 2, 71, 511, 142, 0, 0	719, BEAM , 2, 71, 58, 427, 0, 0

720, BEAM , 2, 71, 427, 304, 0, 0	789, BEAM , 2, 71, 338, 584, 0, 0	858, BEAM , 2, 73, 636, 583, 0, 0	; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2
721, BEAM , 2, 71, 304, 550, 0, 0	790, BEAM , 2, 71, 584, 215, 0, 0	*MATERIAL ; Material	; 9th line(STYPE=VALUE)
722, BEAM , 2, 71, 550, 181, 0, 0	791, BEAM , 2, 71, 91, 460, 0, 0	; IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST,	; OPT1, OPT2, [JOINT]
723, BEAM , 2, 71, 61, 430, 0, 0	792, BEAM , 2, 71, 460, 337, 0, 0	TUNIT, bMASS, DAMPRATIO, [DATA1]	; 2nd line(STYPE=PSC)
724, BEAM , 2, 71, 430, 307, 0, 0	793, BEAM , 2, 71, 337, 583, 0, 0	CONC, USER	; ELAST, DEN, POIS, POIC, THERMAL
725, BEAM , 2, 71, 307, 553, 0, 0	794, BEAM , 2, 71, 583, 214, 0, 0	; IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST,	; 2nd
726, BEAM , 2, 71, 553, 184, 0, 0	795, BEAM , 2, 71, 88, 457, 0, 0	TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] ; SRC	line(STYPE=PSC-CMPW)
727, BEAM , 2, 71, 63, 432, 0, 0	796, BEAM , 2, 71, 457, 334, 0, 0	; [DATA1] : 1, DB, NAME, CODE	; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J],
728, BEAM , 2, 71, 432, 309, 0, 0	797, BEAM , 2, 71, 334, 580, 0, 0	; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
729, BEAM , 2, 71, 309, 555, 0, 0	798, BEAM , 2, 71, 580, 211, 0, 0	; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy,	; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
730, BEAM , 2, 71, 555, 186, 0, 0	799, BEAM , 2, 71, 86, 455, 0, 0	Pxz, Pyz, DEN, MASS ; Orthotropic	[CMPWEB-J] ; 3rd
731, BEAM , 2, 71, 123, 492, 0, 0	800, BEAM , 2, 71, 455, 332, 0, 0	; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,	line(STYPE=PSC-CMPW)
732, BEAM , 2, 71, 492, 369, 0, 0	801, BEAM , 2, 71, 332, 578, 0, 0	THERMAL, DEN, MASS	; bUSERDEFMESH SIZE, MESH SIZE,
733, BEAM , 2, 71, 369, 615, 0, 0	802, BEAM , 2, 71, 578, 209, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,	bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th
734, BEAM , 2, 71, 615, 246, 0, 0	803, BEAM , 2, 71, 83, 452, 0, 0	1, KS10-Civil(S), , SM490	line(STYPE=PSC)
735, BEAM , 2, 71, 120, 489, 0, 0	804, BEAM , 2, 71, 452, 329, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,	; [SIZE-A]-i
736, BEAM , 2, 71, 489, 366, 0, 0	805, BEAM , 2, 71, 329, 575, 0, 0	1, KS10-Civil(S), , SM400	; 5th line(STYPE=PSC)
737, BEAM , 2, 71, 366, 612, 0, 0	806, BEAM , 2, 71, 575, 206, 0, 0	3, CONC , C27 , 0, 0, , C, NO, 0.05,	; [SIZE-B]-i
738, BEAM , 2, 71, 612, 243, 0, 0	807, BEAM , 2, 71, 81, 450, 0, 0	1, KS01-Civil(RC), KCI-2012 , C27	; 6th line(STYPE=PSC)
739, BEAM , 2, 71, 118, 487, 0, 0	808, BEAM , 2, 71, 450, 327, 0, 0	*MATL-COLOR	; [SIZE-C]-i
740, BEAM , 2, 71, 487, 364, 0, 0	809, BEAM , 2, 71, 327, 573, 0, 0	; IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,	; 7th line(STYPE=PSC)
741, BEAM , 2, 71, 364, 610, 0, 0	810, BEAM , 2, 71, 573, 204, 0, 0	HE_G, HE_B, bBLEND, FACT	; [SIZE-D]-i
742, BEAM , 2, 71, 610, 241, 0, 0	811, BEAM , 2, 71, 79, 448, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO,	; 8th line(STYPE=PSC)
743, BEAM , 2, 71, 115, 484, 0, 0	812, BEAM , 2, 71, 448, 325, 0, 0	0.5	; [SIZE-A]-j
744, BEAM , 2, 71, 484, 361, 0, 0	813, BEAM , 2, 71, 325, 571, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO,	; 9th line(STYPE=PSC)
745, BEAM , 2, 71, 361, 607, 0, 0	814, BEAM , 2, 71, 571, 202, 0, 0	0.5	; [SIZE-B]-j
746, BEAM , 2, 71, 607, 238, 0, 0	815, BEAM , 2, 71, 76, 445, 0, 0	3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO,	; 10th line(STYPE=PSC)
747, BEAM , 2, 71, 114, 483, 0, 0	816, BEAM , 2, 71, 445, 322, 0, 0	0.5	; [SIZE-C]-j
748, BEAM , 2, 71, 483, 360, 0, 0	817, BEAM , 2, 71, 322, 568, 0, 0	*SECTION ; Section	; 11th line(STYPE=PSC)
749, BEAM , 2, 71, 360, 606, 0, 0	818, BEAM , 2, 71, 568, 199, 0, 0	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],	; [SIZE-D]-j
750, BEAM , 2, 71, 606, 237, 0, 0	819, BEAM , 2, 71, 74, 443, 0, 0	[DATA2] ; 1st line - DB/USER	; 12th line(STYPE=PSC)
751, BEAM , 2, 71, 113, 482, 0, 0	820, BEAM , 2, 71, 443, 320, 0, 0	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,	; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
752, BEAM , 2, 71, 482, 359, 0, 0	821, BEAM , 2, 71, 320, 566, 0, 0	..., D8, iCEL ; 1st line - VALUE	bMULTI, EsEc-L, EsEc-S ; 2nd
753, BEAM , 2, 71, 359, 605, 0, 0	822, BEAM , 2, 71, 566, 197, 0, 0	; AREA, ASy, ASz, lxx, lyy, lzz	line(STYPE=CMP-B/I)
754, BEAM , 2, 71, 605, 236, 0, 0	823, BEAM , 2, 71, 71, 440, 0, 0	; 2nd line	; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i
755, BEAM , 2, 71, 110, 479, 0, 0	824, BEAM , 2, 71, 440, 317, 0, 0	; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,	; 3rd line(STYPE=CMP-B/I)
756, BEAM , 2, 71, 479, 356, 0, 0	825, BEAM , 2, 71, 317, 563, 0, 0	PERI_IN, Cy, Cz ; 3rd line	; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j
757, BEAM , 2, 71, 356, 602, 0, 0	826, BEAM , 2, 71, 563, 194, 0, 0	; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz	; 4th line(STYPE=CMP-B/I)
758, BEAM , 2, 71, 602, 233, 0, 0	827, BEAM , 2, 71, 70, 439, 0, 0	; 4th line	; N1, N2, Hr, Hr2, tr1, tr2
759, BEAM , 2, 71, 108, 477, 0, 0	828, BEAM , 2, 71, 439, 316, 0, 0	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,	; 5th line(STYPE=CMP-B)
760, BEAM , 2, 71, 477, 354, 0, 0	829, BEAM , 2, 71, 316, 562, 0, 0	DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC	; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb,
761, BEAM , 2, 71, 354, 600, 0, 0	830, BEAM , 2, 71, 562, 193, 0, 0	; D1, D2, [SRC]	bSYM, SW_i, SW_j ; 2nd line(STYPE=CMP-CI/CT)
762, BEAM , 2, 71, 600, 231, 0, 0	831, BEAM , 2, 71, 69, 438, 0, 0	; 2nd line	; OPT1, OPT2, [JOINT]
763, BEAM , 2, 71, 105, 474, 0, 0	832, BEAM , 2, 71, 438, 315, 0, 0	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,	; 3rd line(STYPE=CMP-CI/CT)
764, BEAM , 2, 71, 474, 351, 0, 0	833, BEAM , 2, 71, 315, 561, 0, 0	NAME1, NAME2, D1, D2 ; 1st line - COMBINED	; [SIZE-A]-i
765, BEAM , 2, 71, 351, 597, 0, 0	834, BEAM , 2, 71, 561, 192, 0, 0	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,	; 4th line(STYPE=CMP-CI/CT)
766, BEAM , 2, 71, 597, 228, 0, 0	835, BEAM , 2, 71, 66, 435, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24	; [SIZE-B]-i
767, BEAM , 2, 71, 103, 472, 0, 0	836, BEAM , 2, 71, 435, 312, 0, 0	; ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,	; 5th line(STYPE=CMP-CI/CT)
768, BEAM , 2, 71, 472, 349, 0, 0	837, BEAM , 2, 71, 312, 558, 0, 0	izVAR, STYPE ; 1st line - TAPERED	; [SIZE-C]-i
769, BEAM , 2, 71, 349, 595, 0, 0	838, BEAM , 2, 71, 558, 189, 0, 0	; DB, NAME1, NAME2	; 6th line(STYPE=CMP-CI/CT)
770, BEAM , 2, 71, 595, 226, 0, 0	839, BEAM , 1, 75, 617, 71, 0, 0	; 2nd line(STYPE=DB)	; [SIZE-D]-i
771, BEAM , 2, 71, 101, 470, 0, 0	840, BEAM , 1, 75, 618, 194, 0, 0	; [DIM1], [DIM2]	; 7th line(STYPE=CMP-CI/CT)
772, BEAM , 2, 71, 470, 347, 0, 0	841, BEAM , 1, 95, 619, 317, 0, 0	; 2nd line(STYPE=USER)	; [SIZE-A]-j
773, BEAM , 2, 71, 347, 593, 0, 0	842, BEAM , 1, 17, 620, 70, 0, 0	; D11, D12, D13, D14, D15, D16, D17, D18	; 8th line(STYPE=CMP-CI/CT)
774, BEAM , 2, 71, 593, 224, 0, 0	843, BEAM , 1, 17, 621, 193, 0, 0	; 2nd line(STYPE=VALUE)	; [SIZE-B]-j
775, BEAM , 2, 71, 98, 467, 0, 0	844, BEAM , 1, 53, 622, 316, 0, 0	; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1	; 9th line(STYPE=CMP-CI/CT)
776, BEAM , 2, 71, 467, 344, 0, 0	845, BEAM , 2, 73, 623, 439, 0, 0	; 3rd line(STYPE=VALUE)	; [SIZE-C]-j
777, BEAM , 2, 71, 344, 590, 0, 0	846, BEAM , 2, 73, 624, 562, 0, 0	; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,	; 10th line(STYPE=CMP-CI/CT)
778, BEAM , 2, 71, 590, 221, 0, 0	847, BEAM , 2, 73, 625, 438, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th	; [SIZE-D]-j
779, BEAM , 2, 71, 96, 465, 0, 0	848, BEAM , 2, 73, 626, 561, 0, 0	line(STYPE=VALUE)	; 11th line(STYPE=CMP-CI/CT)
780, BEAM , 2, 71, 465, 342, 0, 0	849, BEAM , 1, 75, 627, 93, 0, 0	; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,	; ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2
781, BEAM , 2, 71, 342, 588, 0, 0	850, BEAM , 1, 75, 628, 216, 0, 0	Zyy2 ; 5th line(STYPE=VALUE)	; 1st line - CONSTRUCT
782, BEAM , 2, 71, 588, 219, 0, 0	851, BEAM , 1, 95, 629, 339, 0, 0	; D21, D22, D23, D24, D25, D26, D27, D28	; SHAPE, ...(same with other type data from shape)
783, BEAM , 2, 71, 93, 462, 0, 0	852, BEAM , 2, 73, 630, 461, 0, 0	; 6th line(STYPE=VALUE)	; Before (STYPE1)
784, BEAM , 2, 71, 462, 339, 0, 0	853, BEAM , 2, 73, 631, 584, 0, 0	; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2	; SHAPE, ...(same with other type data from shape)
785, BEAM , 2, 71, 339, 585, 0, 0	854, BEAM , 1, 77, 632, 92, 0, 0	; 7th line(STYPE=VALUE)	; After (STYPE2)
786, BEAM , 2, 71, 585, 216, 0, 0	855, BEAM , 1, 77, 633, 215, 0, 0	; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,	; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
787, BEAM , 2, 71, 92, 461, 0, 0	856, BEAM , 1, 96, 634, 338, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th	; 1st line - COMPOSITE-SB
788, BEAM , 2, 71, 461, 338, 0, 0	857, BEAM , 2, 73, 635, 460, 0, 0	line(STYPE=VALUE)	; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2

: 2nd line
: N1, N2, Hr, Hr2, tr1, tr2
 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
 : 1st line – COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2
 : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
 : 1st line –
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT]
 : 2nd line
:
: : 3rd line [SIZE-A]
:
: : 4th line [SIZE-B]
:
: : 5th line [SIZE-C]
:
: : 6th line [SIZE-D]
:
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
 : 1st line – PSC
: OPT1, OPT2, [JOINT]
 : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,
bSIDEHOLE : 3rd line
 bUSERDEFMESH SIZE, MESH SIZE,
bUSERINPSTIFF, [STIFF] : 4th line
: [SIZE-A]
:
: : 5th line [SIZE-B]
:
: : 6th line [SIZE-C]
:
: : 7th line [SIZE-D]
:
: : 8th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER,
iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI,
HUSERJ, iVERT, VUSERI, VUSERJ
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
 1, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0,
0, 0, YES, B

3000, 14, 2500, 100, 20, 2500, 100, 20
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
2, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0,
0, 0, YES, B
2564, 14, 2500, 100, 20, 2500, 100, 20
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
3, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0,
0, 0, YES, B
2449, 14, 2500, 100, 20, 2500, 100, 20
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
4, COMPOSITE , "G1,3-2" , CC, 0, 0, 0, 0,
0, 0, YES, B
2449, 14, 2500, 100, 20, 2500, 100, 16
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
5, COMPOSITE , "G1,3-2" , CC, 0, 0, 0, 0,
0, 0, YES, B
2406, 14, 2500, 100, 20, 2500, 100, 16
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
6, COMPOSITE , "G1,3-3" , CC, 0, 0, 0, 0,
0, 0, YES, B
2406, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
7, COMPOSITE , "G1,3-3" , CC, 0, 0, 0, 0,
0, 0, YES, B
2109, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 4, 2
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0

0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
2, 800, 0, NO, 900, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
8, COMPOSITE , "G1,3-4" , CC, 0, 0, 0, 0,
0, 0, YES, B
2109, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 4, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
9, COMPOSITE , "G1,3-4" , CC, 0, 0, 0, 0,
0, 0, YES, B
1907, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 4, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
10, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,
0, 0, YES, B
1907, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
11, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,
0, 0, YES, B
1782, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
12, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,
0, 0, YES, B
1616, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
13, COMPOSITE , "G1,3-6" , CC, 0, 0, 0, 0,
0, 0, YES, B
1616, 14, 2500, 100, 20, 2500, 100, 16
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,

4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
14, COMPOSITE , "G1,3-6" , CC, 0, 0, 0, 0,
0, 0, YES, B
1608, 14, 2500, 100, 20, 2500, 100, 16
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
15, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,
0, 0, YES, B
1608, 14, 2500, 100, 20, 2500, 100, 22
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
16, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,
0, 0, YES, B
1590, 14, 2500, 100, 20, 2500, 100, 22
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
17, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,
0, 0, YES, B
1500, 14, 2500, 100, 20, 2500, 100, 22
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
18, COMPOSITE , "G1,3-8" , CC, 0, 0, 0, 0,
0, 0, YES, B
1500, 14, 2500, 100, 20, 2500, 100, 20
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,
19, COMPOSITE , "G1,3-8" , CC, 0, 0, 0, 0,
0, 0, YES, B
1590, 14, 2500, 100, 20, 2500, 100, 20
1, 0, 0, 0, 2, 4
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0
0
0
2, 800, 0, NO, 900, 0, NO
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0, 3,
0.18, 1.2, NO, ,

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0, 0, 0, 0, 0, 0
0
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0
62, TAPERED , G2(6-7) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 2406, 14, 2500, 100, 16, 2500, 100, 16
19500, 2109, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
0
63, TAPERED , G2(8-9) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 2109, 14, 2500, 100, 16, 2500, 100, 16
19500, 1907, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
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0
64, TAPERED , G2(10-11) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1907, 14, 2500, 100, 16, 2500, 100, 16
19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
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0, 0, 0, 0, 0, 0
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0
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0
0
65, TAPERED , G2(11-12) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,

19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
19500, 1616, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
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0, 0, 0, 0, 0, 0
0
0
0
0
66, TAPERED , G2(13-14) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1616, 14, 2500, 100, 20, 2500, 100, 16
19500, 1608, 14, 2500, 100, 20, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
67, TAPERED , G2(15-16) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1608, 14, 2500, 100, 20, 2500, 100, 22
19500, 1590, 14, 2500, 100, 20, 2500, 100, 22
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
68, TAPERED , G2(16-17) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1590, 14, 2500, 100, 20, 2500, 100, 22
19500, 1500, 14, 2500, 100, 20, 2500, 100, 22
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
69, TAPERED , G2(18-19) , CC, 0, 0, 0, 0,

0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1500, 14, 2500, 100, 20, 2500, 100, 20
19500, 1590, 14, 2500, 100, 20, 2500, 100, 20
0, 0, 0, 0, 0, 0
0
0
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0
0, 0, 0, 0, 0, 0
0
0
0
0
70, TAPERED , G2(19-20) , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 7500, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1590, 14, 2500, 100, 20, 2500, 100, 20
19500, 1608, 14, 2500, 100, 20, 2500, 100, 20
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
71, DBUSER , 가로보 , CC, 0, 0, 0, 0,
0, 0, YES, H , 2, 1200, 300, 9, 12, 300, 12, 0, 0, 0, 0
72, DBUSER , 가로보(교대) , CC, 0, 0, 0, 0,
0, YES, H , 2, 1000, 300, 9, 12, 300, 12, 0, 0, 0, 0
73, DBUSER , 세로보 , CC, 0, 0, 0, 0,
0, 0, YES, H , 2, 800, 300, 9, 12, 300, 12, 0, 0, 0, 0
74, TAPERED , "G1,3(14-13)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1608, 14, 2500, 100, 20, 2500, 100, 16
19500, 1616, 14, 2500, 100, 20, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
75, TAPERED , "G1,3(17-16)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1500, 14, 2500, 100, 20, 2500, 100, 22
19500, 1590, 14, 2500, 100, 20, 2500, 100, 22
0, 0, 0, 0, 0, 0
0
0
0
0

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0, 0, 0, 0, 0, 0
0
0
0
0
0
76, TAPERED , "G1,3(16-15)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1590, 14, 2500, 100, 20, 2500, 100, 22
19500, 1608, 14, 2500, 100, 20, 2500, 100, 22
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
77, TAPERED , "G1,3(19-18)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1590, 14, 2500, 100, 20, 2500, 100, 20
19500, 1500, 14, 2500, 100, 20, 2500, 100, 20
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
78, TAPERED , "G1,3(12-11)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1616, 14, 2500, 100, 16, 2500, 100, 16
19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
79, TAPERED , "G1,3(11-10)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
19500, 1907, 14, 2500, 100, 16, 2500, 100, 16
0, 0, 0, 0, 0, 0

[illegible]

[illegible]

0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	22, COMPOSITE , "G1,3-10" , CC, 0, 0, 0, 0,	19500, 2406, 14, 2500, 100, 16, 2500, 100, 16
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	19500, 2109, 14, 2500, 100, 16, 2500, 100, 16
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	0.18, 1.2, NO, ,	1500, 14, 2500, 100, 16, 2500, 100, 18	0, 0, 0, 0, 0, 0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	16, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	0
0.18, 1.2, NO, ,	1590, 14, 2500, 100, 20, 2500, 100, 22	0	0
10, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0	0
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0
1907, 14, 2500, 100, 16, 2500, 100, 16	0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	0, 0, 0, 0, 0, 0
1, 0, 0, 0, 2, 4	0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	0
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	24, TAPERED , "G1,3(1-2)" , CC, 0, 0, 0, 0, 0,	0
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, 0, YES, CP_B, 1, 1, CMP-B	0
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,	0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	17, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,	NO, ,	28, TAPERED , "G1,3(8-9)" , CC, 0, 0, 0, 0, 0,
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	19500, 3000, 14, 2500, 100, 20, 2500, 100, 20	0, 0, 0, YES, CP_B, 1, 1, CMP-B
0.18, 1.2, NO, ,	1500, 14, 2500, 100, 20, 2500, 100, 22	19500, 2564, 14, 2500, 100, 20, 2500, 100, 20	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
11, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0, 0, 0, 0, 0, 0	NO, ,
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	0	19500, 2109, 14, 2500, 100, 16, 2500, 100, 16
1782, 14, 2500, 100, 16, 2500, 100, 16	0	0	19500, 1907, 14, 2500, 100, 16, 2500, 100, 16
1, 0, 0, 0, 2, 4	0	0	0, 0, 0, 0, 0, 0
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0	0
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	0	0
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, 0, 0, 0, 0	0
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	0	0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	18, COMPOSITE , "G1,3-8" , CC, 0, 0, 0, 0,	0	0
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	0	0, 0, 0, 0, 0, 0
0.18, 1.2, NO, ,	1500, 14, 2500, 100, 20, 2500, 100, 20	0	0
12, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0	0
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	25, TAPERED , "G1,3(2-3)" , CC, 0, 0, 0, 0, 0,	0
1616, 14, 2500, 100, 16, 2500, 100, 16	0	0, 0, 0, YES, CP_B, 1, 1, CMP-B	0
1, 0, 0, 0, 2, 4	0	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,	0
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	NO, ,	29, TAPERED , "G1,3(10-11)" , CC, 0, 0, 0, 0, 0,
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	19500, 2564, 14, 2500, 100, 20, 2500, 100, 20	0, 0, 0, YES, CP_B, 1, 1, CMP-B
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	19500, 2449, 14, 2500, 100, 20, 2500, 100, 20	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	0, 0, 0, 0, 0, 0	NO, ,
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	19, COMPOSITE , "G1,3-8" , CC, 0, 0, 0, 0,	0	19500, 1907, 14, 2500, 100, 16, 2500, 100, 16
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	0	19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
0.18, 1.2, NO, ,	1590, 14, 2500, 100, 20, 2500, 100, 20	0	0, 0, 0, 0, 0, 0
13, COMPOSITE , "G1,3-6" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0	0
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	0	0
1616, 14, 2500, 100, 20, 2500, 100, 16	0	0, 0, 0, 0, 0, 0	0
1, 0, 0, 0, 2, 4	0	0	0
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0	0
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	0	0, 0, 0, 0, 0, 0
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0	0
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	0	0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	20, COMPOSITE , "G1,3-8" , CC, 0, 0, 0, 0,	26, TAPERED , "G1,3(4-5)" , CC, 0, 0, 0, 0, 0,	0
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	0, 0, 0, YES, CP_B, 1, 1, CMP-B	0
0.18, 1.2, NO, ,	1608, 14, 2500, 100, 20, 2500, 100, 20	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,	0
14, COMPOSITE , "G1,3-6" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	NO, ,	30, TAPERED , "G1,3(11-12)" , CC, 0, 0, 0, 0, 0,
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	19500, 2449, 14, 2500, 100, 20, 2500, 100, 16	0, 0, 0, YES, CP_B, 1, 1, CMP-B
1608, 14, 2500, 100, 20, 2500, 100, 16	0	19500, 2406, 14, 2500, 100, 20, 2500, 100, 16	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,
1, 0, 0, 0, 2, 4	0	0, 0, 0, 0, 0, 0	NO, ,
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0	19500, 1782, 14, 2500, 100, 16, 2500, 100, 16
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	0	19500, 1616, 14, 2500, 100, 16, 2500, 100, 16
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0	0, 0, 0, 0, 0, 0
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,	0	0
4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	21, COMPOSITE , "G1,3-9" , CC, 0, 0, 0, 0,	0	0
19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	0, 0, YES, B	0, 0, 0, 0, 0, 0	0
0.18, 1.2, NO, ,	1500, 14, 2500, 100, 20, 2500, 100, 18	0	0, 0, 0, 0, 0, 0
15, COMPOSITE , "G1,3-7" , CC, 0, 0, 0, 0,	1, 0, 0, 0, 2, 4	0	0
0, 0, YES, B	1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	0	0
1608, 14, 2500, 100, 20, 2500, 100, 22	0	0	0
1, 0, 0, 0, 2, 4	0	27, TAPERED , "G1,3(6-7)" , CC, 0, 0, 0, 0, 0,	0
1, RIB, 0, 200, 14, 0, 0, 0, 0, 0, 0	2, 800, 0, NO, 900, 0, NO	0, 0, 0, YES, CP_B, 1, 1, CMP-B	0
0	4, 500, 0, NO, 500, 0, NO, 500, 0, NO, 500, 0, NO	3, 7500, 6000, 250, 0, 7.68337, 0, 0.3, 0.18, 1.2,	0
0	19500, 3, 7500, 6000, 250, 0, 7.68337, 0, 0.3,	NO, ,	31, TAPERED , "G1,3(13-14)" , CC, 0, 0, 0, 0, 0,
2, 800, 0, NO, 900, 0, NO	0.18, 1.2, NO, ,		

760.	ELEMENT,	750, 750,
761.	ELEMENT,	750, 750,
762.	ELEMENT,	750, 750,
763.	ELEMENT,	750, 750,
764.	ELEMENT,	750, 750,
765.	ELEMENT,	750, 750,
766.	ELEMENT,	750, 750,
767.	ELEMENT,	750, 750,
768.	ELEMENT,	750, 750,
769.	ELEMENT,	750, 750,
770.	ELEMENT,	750, 750,
771.	ELEMENT,	750, 750,
772.	ELEMENT,	750, 750,
773.	ELEMENT,	750, 750,
774.	ELEMENT,	750, 750,
775.	ELEMENT,	750, 750,
776.	ELEMENT,	750, 750,
777.	ELEMENT,	750, 750,
778.	ELEMENT,	750, 750,
779.	ELEMENT,	750, 750,
780.	ELEMENT,	750, 750,
781.	ELEMENT,	750, 750,
782.	ELEMENT,	750, 750,
783.	ELEMENT,	750, 750,
784.	ELEMENT,	750, 750,
785.	ELEMENT,	750, 750,
786.	ELEMENT,	750, 750,
787.	ELEMENT,	750, 750,
788.	ELEMENT,	750, 750,
789.	ELEMENT,	750, 750,
790.	ELEMENT,	750, 750,
791.	ELEMENT,	750, 750,
792.	ELEMENT,	750, 750,
793.	ELEMENT,	750, 750,
794.	ELEMENT,	750, 750,
795.	ELEMENT,	750, 750,
796.	ELEMENT,	750, 750,
797.	ELEMENT,	750, 750,
798.	ELEMENT,	750, 750,
799.	ELEMENT,	750, 750,
800.	ELEMENT,	750, 750,
801.	ELEMENT,	750, 750,
802.	ELEMENT,	750, 750,
803.	ELEMENT,	750, 750,
804.	ELEMENT,	750, 750,
805.	ELEMENT,	750, 750,
806.	ELEMENT,	750, 750,
807.	ELEMENT,	750, 750,
808.	ELEMENT,	750, 750,
809.	ELEMENT,	750, 750,
810.	ELEMENT,	750, 750,
811.	ELEMENT,	750, 750,
812.	ELEMENT,	750, 750,
813.	ELEMENT,	750, 750,
814.	ELEMENT,	750, 750,
815.	ELEMENT,	750, 750,
816.	ELEMENT,	750, 750,
817.	ELEMENT,	750, 750,
818.	ELEMENT,	750, 750,
819.	ELEMENT,	750, 750,
820.	ELEMENT,	750, 750,
821.	ELEMENT,	750, 750,
822.	ELEMENT,	750, 750,
823.	ELEMENT,	750, 750,
824.	ELEMENT,	750, 750,
825.	ELEMENT,	750, 750,
826.	ELEMENT,	750, 750,
827.	ELEMENT,	750, 750,
828.	ELEMENT,	750, 750,

```
*USE-STLD, LC4
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  70, 0, 0, -2602, 0, 0, 0,
  193, 0, 0, -69816, 0, 0, 0,
  316, 0, 0, -36209, 0, 0, 0,
  439, 0, 0, -22796, 0, 0, 0,
  562, 0, 0, -73630, 0, 0, 0,
  617, 0, 0, -1734, 0, 0, 0,
  618, 0, 0, -46543, 0, 0, 0,
  619, 0, 0, -24139, 0, 0, 0,
  620, 0, 0, -2602, 0, 0, 0,
  621, 0, 0, -69816, 0, 0, 0,
  622, 0, 0, -36209, 0, 0, 0,
  623, 0, 0, -15197, 0, 0, 0,
  624, 0, 0, -49085, 0, 0, 0,
  625, 0, 0, -22796, 0, 0, 0,
  626, 0, 0, -73630, 0, 0, 0,
;      End      of      data      for      load      case      [LC4]

*USE-STLD, LC5
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  92, 0, 0, -69816, 0, 0, 0,
  215, 0, 0, -2602, 0, 0, 0,
  338, 0, 0, -36209, 0, 0, 0,
  461, 0, 0, -73630, 0, 0, 0,
  584, 0, 0, -22796, 0, 0, 0,
  627, 0, 0, -46543, 0, 0, 0,
  628, 0, 0, -1735, 0, 0, 0,
  629, 0, 0, -24139, 0, 0, 0,
  630, 0, 0, -49085, 0, 0, 0,
  631, 0, 0, -15196, 0, 0, 0,
  632, 0, 0, -69816, 0, 0, 0,
  633, 0, 0, -2602, 0, 0, 0,
  634, 0, 0, -36209, 0, 0, 0,
  635, 0, 0, -73630, 0, 0, 0,
  636, 0, 0, -22796, 0, 0, 0,
;      End      of      data      for      load      case      [LC5]

*USE-STLD, LC6
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  92, 0, 0, -59616, 0, 0, 0,
  215, 0, 0, -5299, 0, 0, 0,
  338, 0, 0, -46712, 0, 0, 0,
  461, 0, 0, -72717, 0, 0, 0,
  584, 0, 0, -20706, 0, 0, 0,
  627, 0, 0, -39744, 0, 0, 0,
  628, 0, 0, -3533, 0, 0, 0,
  629, 0, 0, -31141, 0, 0, 0,
  630, 0, 0, -48477, 0, 0, 0,
  631, 0, 0, -13804, 0, 0, 0,
  632, 0, 0, -59616, 0, 0, 0,
  633, 0, 0, -5299, 0, 0, 0,
  634, 0, 0, -46712, 0, 0, 0,
  635, 0, 0, -72717, 0, 0, 0,
  636, 0, 0, -20706, 0, 0, 0,
;      End      of      data      for      load      case      [LC6]

*USE-STLD, LC7
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  92, 0, 0, -5299, 0, 0, 0,
  215, 0, 0, -59616, 0, 0, 0,
  338, 0, 0, -46712, 0, 0, 0,
  461, 0, 0, -20706, 0, 0, 0,
  584, 0, 0, -72717, 0, 0, 0,
```

```

627, 0, 0, -3533, 0, 0, 0,
628, 0, 0, -39744, 0, 0, 0,
629, 0, 0, -31141, 0, 0, 0,
630, 0, 0, -13804, 0, 0, 0,
631, 0, 0, -48477, 0, 0, 0,
632, 0, 0, -5299, 0, 0, 0,
633, 0, 0, -59616, 0, 0, 0,
634, 0, 0, -46712, 0, 0, 0,
635, 0, 0, -20706, 0, 0, 0,
636, 0, 0, -72717, 0, 0, 0,
; End of data for load case [LC7]

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```

*USE-STLD, LC8
*CONLOAD : Nodal Loads
; NODE LIST, FX, FY, FZ, MX, MY, MZ, GROUP
92, 0, 0, -2602, 0, 0, 0,
215, 0, 0, -69816, 0, 0, 0,
338, 0, 0, -36209, 0, 0, 0,
461, 0, 0, -22796, 0, 0, 0,
584, 0, 0, -73630, 0, 0, 0,
627, 0, 0, -1734, 0, 0, 0,
628, 0, 0, -46543, 0, 0, 0,
629, 0, 0, -24139, 0, 0, 0,
630, 0, 0, -15197, 0, 0, 0,
631, 0, 0, -49085, 0, 0, 0,
632, 0, 0, -2602, 0, 0, 0,
633, 0, 0, -69816, 0, 0, 0,
634, 0, 0, -36209, 0, 0, 0,
635, 0, 0, -22796, 0, 0, 0,
636, 0, 0, -73630, 0, 0, 0,
; End of data for load case [LC8]

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*MVLDCODE : Moving Load Code
; CODE=CODE
CODE=NONE
*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, LC1, 192, 128, 0, 160, 255, 255, 78, 0, 255
ST, LC2, 192, 128, 0, 148, 87, 255, 255, 255, 255
ST, LC3, 192, 0, 192, 163, 255, 160, 255, 128, 0
ST, LC4, 255, 255, 87, 148, 87, 255, 255, 0, 128
ST, LC5, 163, 160, 255, 255, 0, 192, 0, 192, 192
ST, LC6, 255, 87, 128, 255, 128, 0, 0, 157, 192
ST, LC7, 210, 210, 210, 255, 128, 0, 192, 72, 0
ST, LC8, 160, 255, 255, 192, 72, 0, 0, 192, 128
*DGN-MATL : Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1]
; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV,
SHORT, LONG : CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA]
; SRC
; iMAT, TYPE, MNAME, [DATA5]
; STEEL(None) & KSCE-ASD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN,
FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2,
AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1,
FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV,
AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5,
AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS

```

```

1, STEEL, SM490, 1, KS10-Civil(S),
,SM490, 1, KS01-Civil(RC),
, , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0,
0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,
2, STEEL, SM400, 1, KS10-Civil(S),
,SM400, 1, KS01-Civil(RC),
, , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0,
0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,
3, CONC, C27, 1, KS01-Civil(RC),
,C27, , NO, 1, , , , 0, 0, 18.9, NO, 0, 0,
, , , , 0, NO, 1, , , , 0,
0, 0
*SECTION MANAGER-GROUP & PART : Section
Manager - Group & Part
; SECT = NO, bSAMEJ
; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
; line 2
;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE)
;
; GROUPID, GROUPNAME, GROUPTYPE
; line n
;
; LOOP UTIL (PARTISIZE, PARTJSIZE)
;
; PARTTYPE, GROUPID, PARTNAME,
PARTSHAPE, bSTIFFENER : line n
; LINESIZE, LINEINDEX[i].....
; line n
;
SECT=74, YES
0, 0, 0, 0
SECT=75, YES
0, 0, 0, 0
SECT=76, YES
0, 0, 0, 0
SECT=77, YES
0, 0, 0, 0
SECT=78, YES
0, 0, 0, 0
SECT=79, YES
0, 0, 0, 0
SECT=80, YES
0, 0, 0, 0
SECT=81, YES
0, 0, 0, 0
SECT=82, YES
0, 0, 0, 0
SECT=83, YES
0, 0, 0, 0
SECT=84, YES
0, 0, 0, 0
SECT=85, YES
0, 0, 0, 0
SECT=86, YES
0, 0, 0, 0
SECT=87, YES
0, 0, 0, 0
SECT=88, YES
0, 0, 0, 0
SECT=89, YES
0, 0, 0, 0
SECT=90, YES
0, 0, 0, 0
SECT=91, YES
0, 0, 0, 0
SECT=92, YES
0, 0, 0, 0
SECT=93, YES
0, 0, 0, 0

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SECT=91, YES
0, 0, 0, 0
SECT=92, YES
0, 0, 0, 0
SECT=93, YES
0, 0, 0, 0
SECT=94, YES
0, 0, 0, 0
SECT=95, YES
0, 0, 0, 0
SECT=96, YES
0, 0, 0, 0
SECT=97, 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=74, YES
0, 0
SECT=75, YES
0, 0
SECT=76, YES
0, 0
SECT=77, YES
0, 0
SECT=78, YES
0, 0
SECT=79, YES
0, 0
SECT=80, YES
0, 0
SECT=81, YES
0, 0
SECT=82, YES
0, 0
SECT=83, YES
0, 0
SECT=84, YES
0, 0
SECT=85, YES
0, 0
SECT=86, YES
0, 0
SECT=87, YES
0, 0
SECT=88, YES
0, 0
SECT=89, YES
0, 0
SECT=90, YES
0, 0
SECT=91, YES
0, 0
SECT=92, YES
0, 0
SECT=93, YES
0, 0

```

```

0, 0
SECT=94, YES
0, 0
SECT=95, YES
0, 0
SECT=96, YES
0, 0
SECT=97, YES
0, 0
*ENDDATA

```