

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방형(부산)

: MIDAS/Civil Text(MCT) File.
: Date : 2016/1/18
:-----

*VERSION
8.4.5

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

*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300

*NODE : Nodes
: iNO, X, Y, Z
1, 0, 0, 0
2, 2, 0, 0
3, 5.375, 0, 0
4, 8.75, 0, 0
5, 10, 0, 0
6, 11.25, 0, 0
7, 15.35, 0, 0
8, 19.45, 0, 0
9, 23.55, 0, 0
10, 27.65, 0, 0
11, 31.75, 0, 0
12, 35.85, 0, 0
13, 39.95, 0, 0
14, 44.05, 0, 0
15, 48.15, 0, 0
16, 52.25, 0, 0
17, 56.35, 0, 0
18, 60.45, 0, 0
19, 64.55, 0, 0
20, 66.4625, 0, 0
21, 68.375, 0, 0
22, 70, 0, 0
23, 71.625, 0, 0
24, 73.5375, 0, 0
25, 75.45, 0, 0
26, 79.55, 0, 0
27, 83.65, 0, 0

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28, 87.75, 0, 0
29, 91.85, 0, 0
30, 95.95, 0, 0
31, 100.05, 0, 0
32, 104.15, 0, 0
33, 108.25, 0, 0
34, 112.35, 0, 0
35, 116.45, 0, 0
36, 120.55, 0, 0
37, 124.65, 0, 0
38, 128.75, 0, 0
39, 130, 0, 0
40, 131.25, 0, 0
41, 135.35, 0, 0
42, 139.45, 0, 0
43, 143.55, 0, 0
44, 147.65, 0, 0
45, 151.75, 0, 0
46, 155.85, 0, 0
47, 159.95, 0, 0
48, 164.05, 0, 0
49, 168.15, 0, 0
50, 172.25, 0, 0
51, 176.35, 0, 0
52, 180.45, 0, 0
53, 184.55, 0, 0
54, 186.4625, 0, 0
55, 188.375, 0, 0
56, 190, 0, 0
57, 191.625, 0, 0
58, 193.5375, 0, 0
59, 195.45, 0, 0
60, 199.55, 0, 0
61, 203.65, 0, 0
62, 207.75, 0, 0
63, 211.85, 0, 0
64, 215.95, 0, 0
65, 220.05, 0, 0
66, 224.15, 0, 0
67, 228.25, 0, 0
68, 232.35, 0, 0
69, 236.45, 0, 0
70, 240.55, 0, 0
71, 244.65, 0, 0
72, 248.75, 0, 0

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73, 250.0, 0.0
74, 251.25, 0.0
75, 255.35, 0.0
76, 259.45, 0.0
77, 263.55, 0.0
78, 267.65, 0.0
79, 271.75, 0.0
80, 275.85, 0.0
81, 279.95, 0.0
82, 284.05, 0.0
83, 288.15, 0.0
84, 292.25, 0.0
85, 296.35, 0.0
86, 300.45, 0.0
87, 304.55, 0.0
88, 306.4625, 0.0
89, 308.375, 0.0
90, 310.0, 0.0
91, 311.625, 0.0
92, 313.5375, 0.0
93, 315.45, 0.0
94, 319.55, 0.0
95, 323.65, 0.0
96, 327.75, 0.0
97, 331.85, 0.0
98, 335.95, 0.0
99, 340.05, 0.0
100, 344.15, 0.0
101, 348.25, 0.0
102, 352.35, 0.0
103, 356.45, 0.0
104, 360.55, 0.0
105, 364.65, 0.0
106, 368.75, 0.0
107, 370.0, 0.0
108, 371.25, 0.0
109, 375.35, 0.0
110, 379.45, 0.0
111, 383.55, 0.0
112, 387.65, 0.0
113, 391.750000000001, 0.0
114, 395.850000000001, 0.0
115, 399.950000000001, 0.0
116, 404.050000000001, 0.0
117, 408.150000000001, 0.0

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118, 412.250000000001, 0.0
119, 416.350000000001, 0.0
120, 420.450000000001, 0.0
121, 424.550000000001, 0.0
122, 426.462500000001, 0.0
123, 428.375000000001, 0.0
124, 430.000000000001, 0.0
125, 431.625000000001, 0.0
126, 433.537500000001, 0.0
127, 435.450000000001, 0.0
128, 439.550000000001, 0.0
129, 443.650000000001, 0.0
130, 447.750000000001, 0.0
131, 451.850000000001, 0.0
132, 455.950000000001, 0.0
133, 460.050000000001, 0.0
134, 464.150000000001, 0.0
135, 468.250000000001, 0.0
136, 472.350000000001, 0.0
137, 476.450000000001, 0.0
138, 480.550000000001, 0.0
139, 484.650000000001, 0.0
140, 488.750000000001, 0.0
141, 490.000000000001, 0.0
142, 491.250000000001, 0.0
143, 495.350000000001, 0.0
144, 499.450000000001, 0.0
145, 503.550000000001, 0.0
146, 507.650000000001, 0.0
147, 511.750000000001, 0.0
148, 515.850000000001, 0.0
149, 519.950000000001, 0.0
150, 524.050000000001, 0.0
151, 528.150000000001, 0.0
152, 532.250000000001, 0.0
153, 536.350000000001, 0.0
154, 540.450000000001, 0.0
155, 544.550000000001, 0.0
156, 546.462500000001, 0.0
157, 548.375000000001, 0.0
158, 550.000000000001, 0.0
159, 551.625000000001, 0.0
160, 553.537500000001, 0.0
161, 555.450000000001, 0.0
162, 559.550000000001, 0.0

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163, 563.650000000001, 0, 0
 164, 567.750000000001, 0, 0
 165, 571.850000000002, 0, 0
 166, 575.950000000002, 0, 0
 167, 580.050000000002, 0, 0
 168, 584.150000000002, 0, 0
 169, 588.250000000002, 0, 0
 170, 592.350000000002, 0, 0
 171, 596.450000000002, 0, 0
 172, 600.550000000002, 0, 0
 173, 604.650000000002, 0, 0
 174, 608.750000000002, 0, 0
 175, 610.000000000002, 0, 0
 176, 611.250000000002, 0, 0
 177, 615.350000000002, 0, 0
 178, 619.450000000002, 0, 0
 179, 623.550000000002, 0, 0
 180, 627.650000000002, 0, 0
 181, 631.750000000002, 0, 0
 182, 635.850000000002, 0, 0
 183, 639.950000000002, 0, 0
 184, 644.050000000002, 0, 0
 185, 648.150000000002, 0, 0
 186, 652.250000000002, 0, 0
 187, 656.350000000002, 0, 0
 188, 660.450000000002, 0, 0
 189, 664.550000000002, 0, 0
 190, 666.462500000002, 0, 0
 191, 668.375000000002, 0, 0
 192, 670.000000000002, 0, 0
 193, 671.625000000002, 0, 0
 194, 673.537500000002, 0, 0
 195, 675.450000000002, 0, 0
 196, 679.550000000002, 0, 0
 197, 683.650000000002, 0, 0
 198, 687.750000000002, 0, 0
 199, 691.850000000002, 0, 0
 200, 695.950000000002, 0, 0
 201, 700.050000000002, 0, 0
 202, 704.150000000002, 0, 0
 203, 708.250000000002, 0, 0
 204, 712.350000000002, 0, 0
 205, 716.450000000002, 0, 0
 206, 720.550000000002, 0, 0
 207, 724.650000000002, 0, 0

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208, 728.750000000002, 0, 0
 209, 730.000000000002, 0, 0
 210, 731.250000000002, 0, 0
 211, 735.350000000002, 0, 0
 212, 739.450000000002, 0, 0
 213, 743.550000000002, 0, 0
 214, 747.650000000002, 0, 0
 215, 751.750000000003, 0, 0
 216, 755.850000000003, 0, 0
 217, 759.950000000003, 0, 0
 218, 764.050000000003, 0, 0
 219, 768.150000000003, 0, 0
 220, 772.250000000003, 0, 0
 221, 776.350000000003, 0, 0
 222, 780.450000000003, 0, 0
 223, 784.550000000003, 0, 0
 224, 786.462500000003, 0, 0
 225, 788.375000000003, 0, 0
 226, 790.000000000003, 0, 0
 227, 791.625000000003, 0, 0
 228, 793.537500000003, 0, 0
 229, 795.450000000003, 0, 0
 230, 799.550000000003, 0, 0
 231, 803.650000000003, 0, 0
 232, 807.750000000003, 0, 0
 233, 811.850000000003, 0, 0
 234, 815.950000000003, 0, 0
 235, 820.050000000003, 0, 0
 236, 824.150000000003, 0, 0
 237, 828.250000000003, 0, 0
 238, 832.350000000003, 0, 0
 239, 836.450000000003, 0, 0
 240, 840.550000000003, 0, 0
 241, 844.650000000003, 0, 0
 242, 848.750000000003, 0, 0
 243, 850.000000000003, 0, 0
 244, 851.250000000003, 0, 0
 245, 855.350000000003, 0, 0
 246, 859.450000000003, 0, 0
 247, 863.550000000003, 0, 0
 248, 867.650000000003, 0, 0
 249, 871.750000000003, 0, 0
 250, 875.850000000003, 0, 0
 251, 879.950000000003, 0, 0
 252, 884.050000000003, 0, 0

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253, 888.150000000003, 0, 0
 254, 892.250000000003, 0, 0
 255, 896.350000000003, 0, 0
 256, 900.450000000003, 0, 0
 257, 904.550000000003, 0, 0
 258, 906.462500000003, 0, 0
 259, 908.375000000003, 0, 0
 260, 910.000000000003, 0, 0
 261, 911.625000000003, 0, 0
 262, 913.537500000003, 0, 0
 263, 915.450000000003, 0, 0
 264, 919.550000000003, 0, 0
 265, 923.650000000004, 0, 0
 266, 927.750000000004, 0, 0
 267, 931.850000000004, 0, 0
 268, 935.950000000004, 0, 0
 269, 940.050000000004, 0, 0
 270, 944.150000000004, 0, 0
 271, 948.250000000004, 0, 0
 272, 952.350000000004, 0, 0
 273, 956.450000000004, 0, 0
 274, 960.550000000004, 0, 0
 275, 964.650000000004, 0, 0
 276, 968.750000000004, 0, 0
 277, 970.000000000004, 0, 0
 278, 971.250000000004, 0, 0
 279, 975.350000000004, 0, 0
 280, 979.450000000004, 0, 0
 281, 983.550000000004, 0, 0
 282, 987.650000000004, 0, 0
 283, 991.750000000004, 0, 0
 284, 995.850000000004, 0, 0
 285, 999.950000000004, 0, 0
 286, 1004.05, 0, 0
 287, 1008.15, 0, 0
 288, 1012.25, 0, 0
 289, 1016.35, 0, 0
 290, 1020.45, 0, 0
 291, 1024.55, 0, 0
 292, 1026.4625, 0, 0
 293, 1028.375, 0, 0
 294, 1030, 0, 0
 295, 1031.625, 0, 0
 296, 1033.5375, 0, 0
 297, 1035.45, 0, 0

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298, 1039.55, 0, 0
 299, 1043.65, 0, 0
 300, 1047.75, 0, 0
 301, 1051.85, 0, 0
 302, 1055.95, 0, 0
 303, 1060.05, 0, 0
 304, 1064.15, 0, 0
 305, 1068.25, 0, 0
 306, 1072.35, 0, 0
 307, 1076.45, 0, 0
 308, 1080.55, 0, 0
 309, 1084.65, 0, 0
 310, 1088.75, 0, 0
 311, 1090, 0, 0
 312, 1091.25, 0, 0
 313, 1095.35, 0, 0
 314, 1099.45, 0, 0
 315, 1103.55, 0, 0
 316, 1107.65, 0, 0
 317, 1111.75, 0, 0
 318, 1115.85, 0, 0
 319, 1119.95, 0, 0
 320, 1124.05, 0, 0
 321, 1128.15, 0, 0
 322, 1132.25, 0, 0
 323, 1136.35, 0, 0
 324, 1140.45, 0, 0
 325, 1144.55, 0, 0
 326, 1146.4625, 0, 0
 327, 1148.375, 0, 0
 328, 1150, 0, 0
 329, 1151.625, 0, 0
 330, 1153.5375, 0, 0
 331, 1155.45, 0, 0
 332, 1159.55, 0, 0
 333, 1163.65, 0, 0
 334, 1167.75, 0, 0
 335, 1171.85, 0, 0
 336, 1175.95, 0, 0
 337, 1180.05, 0, 0
 338, 1184.15, 0, 0
 339, 1188.25, 0, 0
 340, 1192.35, 0, 0
 341, 1196.45, 0, 0
 342, 1200.55, 0, 0

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343, 1204.65, 0, 0
344, 1208.75, 0, 0
345, 1210, 0, 0
346, 1211.25, 0, 0
347, 1214.625, 0, 0
348, 1218, 0, 0
349, 1220, 0, 0
356, 550.0000000000001, 0, -7
357, 670.0000000000002, 0, -7
358, 790.0000000000003, 0, -7
362, 0, 0, -3
363, 1220, 0, -3
422, 70, 0, -7.55
423, 190, 0, -7.55
428, 70, 0, -9.05
429, 190, 0, -9.05
430, 70, 0, -10.55
431, 190, 0, -10.55
432, 70, 0, -12.05
433, 190, 0, -12.05
434, 70, 0, -14.97
435, 70, 0, -17.89
436, 70, 0, -20.81
437, 70, 0, -23.73
438, 70, 0, -26.65
439, 70, 0, -29.57
440, 70, 0, -32.49
441, 70, 0, -35.41
442, 70, 0, -38.33
443, 70, 0, -41.25
444, 190, 0, -15.23
445, 190, 0, -18.41
446, 190, 0, -21.59
447, 190, 0, -24.77
448, 190, 0, -27.95
449, 190, 0, -31.13
450, 190, 0, -34.31
451, 190, 0, -37.49
452, 190, 0, -40.67
453, 190, 0, -43.85
454, 1150, 0, -7.55
457, 1150, 0, -9.05
458, 1150, 0, -10.55
459, 1150, 0, -12.05
460, 1150, 0, -14.79

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461, 1150, 0, -17.53
462, 1150, 0, -20.27
463, 1150, 0, -23.01
464, 1150, 0, -25.75
465, 1150, 0, -28.49
466, 1150, 0, -31.23
467, 1150, 0, -33.97
468, 1150, 0, -36.71
469, 1150, 0, -39.45
470, 1150, 0, -42.19
471, 1150, 0, -44.93
472, 1150, 0, -47.67
473, 1150, 0, -50.41
474, 1150, 0, -53.15
475, 310, 0, -7.55
478, 310, 0, -9.05
479, 310, 0, -10.55
480, 310, 0, -12.05
481, 310, 0, -15.61
482, 310, 0, -19.17
483, 310, 0, -22.73
484, 310, 0, -26.29
485, 310, 0, -29.85
486, 310, 0, -33.41
487, 310, 0, -36.97
488, 310, 0, -40.53
489, 310, 0, -44.09
490, 310, 0, -47.65
491, 1030, 0, -7.55
494, 1030, 0, -9.05
495, 1030, 0, -10.55
496, 1030, 0, -12.05
497, 1030, 0, -14.5
498, 1030, 0, -16.95
499, 1030, 0, -19.4
500, 1030, 0, -21.85
501, 1030, 0, -24.3
502, 1030, 0, -26.75
503, 1030, 0, -29.2
504, 1030, 0, -31.65
505, 1030, 0, -34.1
506, 1030, 0, -36.55
507, 1030, 0, -39
508, 1030, 0, -41.45
509, 1030, 0, -43.9

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510, 1030, 0, -46.35
 511, 1030, 0, -48.8
 512, 1030, 0, -51.25
 513, 430.000000000001, 0, -7.55
 516, 430.000000000001, 0, -9.05
 517, 430.000000000001, 0, -10.55
 518, 430.000000000001, 0, -12.05
 519, 430.000000000001, 0, -15.61
 520, 430.000000000001, 0, -19.17
 521, 430.000000000001, 0, -22.73
 522, 430.000000000001, 0, -26.29
 523, 430.000000000001, 0, -29.85
 524, 430.000000000001, 0, -33.41
 525, 430.000000000001, 0, -36.97
 526, 430.000000000001, 0, -40.53
 527, 430.000000000001, 0, -44.09
 528, 430.000000000001, 0, -47.65
 529, 910.000000000003, 0, -7.55
 532, 910.000000000003, 0, -9.05
 533, 910.000000000003, 0, -10.55
 534, 910.000000000003, 0, -12.05
 535, 910.000000000003, 0, -15.97
 536, 910.000000000003, 0, -19.89
 537, 910.000000000003, 0, -23.81
 538, 910.000000000003, 0, -27.73
 539, 910.000000000003, 0, -31.65
 540, 910.000000000003, 0, -35.57
 541, 910.000000000003, 0, -39.49
 542, 910.000000000003, 0, -43.41
 543, 910.000000000003, 0, -47.33
 544, 910.000000000003, 0, -51.25
 545, 550.000000000001, 0, -9
 546, 550.000000000001, 0, -11.72
 547, 550.000000000001, 0, -14.44
 548, 550.000000000001, 0, -17.16
 549, 550.000000000001, 0, -19.88
 550, 550.000000000001, 0, -22.6
 551, 550.000000000001, 0, -25.32
 552, 550.000000000001, 0, -28.04
 553, 550.000000000001, 0, -30.76
 554, 550.000000000001, 0, -33.48
 555, 550.000000000001, 0, -36.2
 556, 550.000000000001, 0, -38.92
 557, 550.000000000001, 0, -41.64
 558, 550.000000000001, 0, -44.36

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559, 550.000000000001, 0, -47.08
 560, 550.000000000001, 0, -49.8
 561, 550.000000000001, 0, -52.52
 562, 550.000000000001, 0, -55.24
 563, 550.000000000001, 0, -57.96
 564, 550.000000000001, 0, -60.68
 565, 550.000000000001, 0, -63.4
 566, 670.000000000002, 0, -9
 567, 670.000000000002, 0, -11.61
 568, 670.000000000002, 0, -14.22
 569, 670.000000000002, 0, -16.83
 570, 670.000000000002, 0, -19.44
 571, 670.000000000002, 0, -22.05
 572, 670.000000000002, 0, -24.66
 573, 670.000000000002, 0, -27.27
 574, 670.000000000002, 0, -29.88
 575, 670.000000000002, 0, -32.49
 576, 670.000000000002, 0, -35.1
 577, 670.000000000002, 0, -37.71
 578, 670.000000000002, 0, -40.32
 579, 670.000000000002, 0, -42.93
 580, 670.000000000002, 0, -45.54
 581, 670.000000000002, 0, -48.15
 582, 670.000000000002, 0, -50.76
 583, 670.000000000002, 0, -53.37
 584, 670.000000000002, 0, -55.98
 585, 670.000000000002, 0, -58.59
 586, 670.000000000002, 0, -61.2
 587, 790.000000000003, 0, -9
 588, 790.000000000003, 0, -11.045
 589, 790.000000000003, 0, -13.09
 590, 790.000000000003, 0, -15.135
 591, 790.000000000003, 0, -17.18
 592, 790.000000000003, 0, -19.225
 593, 790.000000000003, 0, -21.27
 594, 790.000000000003, 0, -23.315
 595, 790.000000000003, 0, -25.36
 596, 790.000000000003, 0, -27.405
 597, 790.000000000003, 0, -29.45
 598, 790.000000000003, 0, -31.495
 599, 790.000000000003, 0, -33.54
 600, 790.000000000003, 0, -35.585
 601, 790.000000000003, 0, -37.63
 602, 790.000000000003, 0, -39.675
 603, 790.000000000003, 0, -41.72

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604, 790.000000000003, 0, -43.765
 605, 790.000000000003, 0, -45.81
 606, 790.000000000003, 0, -47.855
 607, 790.000000000003, 0, -49.9

*ELEMENT ; Elements

; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) ; Frame Element
 ; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT ; Comp/Tens Truss
 ; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS ; Planar Element
 ; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 ; Solid Element
 ; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point
)

1, BEAM	, 1,	1,	1,	2,	0,	0
2, BEAM	, 1,	1,	2,	3,	0,	0
3, BEAM	, 1,	1,	3,	4,	0,	0
4, BEAM	, 1,	1,	4,	5,	0,	0
5, BEAM	, 1,	1,	5,	6,	0,	0
6, BEAM	, 1,	386,	6,	7,	0,	0
7, BEAM	, 1,	387,	7,	8,	0,	0
8, BEAM	, 1,	388,	8,	9,	0,	0
9, BEAM	, 1,	389,	9,	10,	0,	0
10, BEAM	, 1,	390,	10,	11,	0,	0
11, BEAM	, 1,	391,	11,	12,	0,	0
12, BEAM	, 1,	392,	12,	13,	0,	0
13, BEAM	, 1,	393,	13,	14,	0,	0
14, BEAM	, 1,	394,	14,	15,	0,	0
15, BEAM	, 1,	395,	15,	16,	0,	0
16, BEAM	, 1,	396,	16,	17,	0,	0
17, BEAM	, 1,	397,	17,	18,	0,	0
18, BEAM	, 1,	398,	18,	19,	0,	0
19, BEAM	, 1,	399,	19,	20,	0,	0
20, BEAM	, 1,	400,	20,	21,	0,	0
21, BEAM	, 1,	5,	21,	22,	0,	0
22, BEAM	, 1,	5,	22,	23,	0,	0
23, BEAM	, 1,	371,	23,	24,	0,	0
24, BEAM	, 1,	372,	24,	25,	0,	0
25, BEAM	, 1,	373,	25,	26,	0,	0
26, BEAM	, 1,	374,	26,	27,	0,	0
27, BEAM	, 1,	375,	27,	28,	0,	0
28, BEAM	, 1,	376,	28,	29,	0,	0
29, BEAM	, 1,	377,	29,	30,	0,	0
30, BEAM	, 1,	378,	30,	31,	0,	0
31, BEAM	, 1,	379,	31,	32,	0,	0
32, BEAM	, 1,	380,	32,	33,	0,	0
33, BEAM	, 1,	381,	33,	34,	0,	0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_종방향(부산)

34, BEAM	, 1,	382,	34,	35,	0,	0
35, BEAM	, 1,	383,	35,	36,	0,	0
36, BEAM	, 1,	384,	36,	37,	0,	0
37, BEAM	, 1,	385,	37,	38,	0,	0
38, BEAM	, 1,	1,	38,	39,	0,	0
39, BEAM	, 1,	1,	39,	40,	0,	0
40, BEAM	, 1,	356,	40,	41,	0,	0
41, BEAM	, 1,	357,	41,	42,	0,	0
42, BEAM	, 1,	358,	42,	43,	0,	0
43, BEAM	, 1,	359,	43,	44,	0,	0
44, BEAM	, 1,	360,	44,	45,	0,	0
45, BEAM	, 1,	361,	45,	46,	0,	0
46, BEAM	, 1,	362,	46,	47,	0,	0
47, BEAM	, 1,	363,	47,	48,	0,	0
48, BEAM	, 1,	364,	48,	49,	0,	0
49, BEAM	, 1,	365,	49,	50,	0,	0
50, BEAM	, 1,	366,	50,	51,	0,	0
51, BEAM	, 1,	367,	51,	52,	0,	0
52, BEAM	, 1,	368,	52,	53,	0,	0
53, BEAM	, 1,	369,	53,	54,	0,	0
54, BEAM	, 1,	370,	54,	55,	0,	0
55, BEAM	, 1,	5,	55,	56,	0,	0
56, BEAM	, 1,	5,	56,	57,	0,	0
57, BEAM	, 1,	341,	57,	58,	0,	0
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59, BEAM	, 1,	343,	59,	60,	0,	0
60, BEAM	, 1,	344,	60,	61,	0,	0
61, BEAM	, 1,	345,	61,	62,	0,	0
62, BEAM	, 1,	346,	62,	63,	0,	0
63, BEAM	, 1,	347,	63,	64,	0,	0
64, BEAM	, 1,	348,	64,	65,	0,	0
65, BEAM	, 1,	349,	65,	66,	0,	0
66, BEAM	, 1,	350,	66,	67,	0,	0
67, BEAM	, 1,	351,	67,	68,	0,	0
68, BEAM	, 1,	352,	68,	69,	0,	0
69, BEAM	, 1,	353,	69,	70,	0,	0
70, BEAM	, 1,	354,	70,	71,	0,	0
71, BEAM	, 1,	355,	71,	72,	0,	0
72, BEAM	, 1,	1,	72,	73,	0,	0
73, BEAM	, 1,	1,	73,	74,	0,	0
74, BEAM	, 1,	326,	74,	75,	0,	0
75, BEAM	, 1,	327,	75,	76,	0,	0
76, BEAM	, 1,	328,	76,	77,	0,	0
77, BEAM	, 1,	329,	77,	78,	0,	0
78, BEAM	, 1,	330,	78,	79,	0,	0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

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79, BEAM , 1, 331, 79, 80, 0, 0
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122, BEAM , 1, 310, 122, 123, 0, 0
123, BEAM , 1, 5, 123, 124, 0, 0

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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

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124, BEAM , 1, 5, 124, 125, 0, 0
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167, BEAM , 1, 259, 167, 168, 0, 0
168, BEAM , 1, 260, 168, 169, 0, 0

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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

169, BEAM , 1, 261, 169, 170, 0, 0
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 213, BEAM , 1, 209, 213, 214, 0, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

214, BEAM , 1, 210, 214, 215, 0, 0
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 256, BEAM , 1, 188, 256, 257, 0, 0
 257, BEAM , 1, 189, 257, 258, 0, 0
 258, BEAM , 1, 190, 258, 259, 0, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

259, BEAM , 1, 5, 259, 260, 0, 0
 260, BEAM , 1, 5, 260, 261, 0, 0
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 262, BEAM , 1, 162, 262, 263, 0, 0
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 301, BEAM , 1, 137, 301, 302, 0, 0
 302, BEAM , 1, 138, 302, 303, 0, 0
 303, BEAM , 1, 139, 303, 304, 0, 0

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	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

304, BEAM , 1, 140, 304, 305, 0, 0
 305, BEAM , 1, 141, 305, 306, 0, 0
 306, BEAM , 1, 142, 306, 307, 0, 0
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 311, BEAM , 1, 1, 311, 312, 0, 0
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	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

379, BEAM , 2, 6, 422, 428, 0, 0
 380, BEAM , 2, 6, 423, 429, 0, 0
 381, BEAM , 2, 6, 428, 430, 0, 0
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PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

424, BEAM , 2, 6, 478, 479, 0, 0
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 444, BEAM , 2, 7, 501, 502, 0, 0
 445, BEAM , 2, 7, 502, 503, 0, 0
 446, BEAM , 2, 7, 503, 504, 0, 0
 447, BEAM , 2, 7, 504, 505, 0, 0
 448, BEAM , 2, 7, 505, 506, 0, 0
 449, BEAM , 2, 7, 506, 507, 0, 0
 450, BEAM , 2, 7, 507, 508, 0, 0
 451, BEAM , 2, 7, 508, 509, 0, 0
 452, BEAM , 2, 7, 509, 510, 0, 0
 453, BEAM , 2, 7, 510, 511, 0, 0
 454, BEAM , 2, 7, 511, 512, 0, 0
 455, BEAM , 2, 6, 513, 516, 0, 0
 456, BEAM , 2, 6, 516, 517, 0, 0
 457, BEAM , 2, 6, 517, 518, 0, 0
 458, BEAM , 2, 7, 518, 519, 0, 0
 459, BEAM , 2, 7, 519, 520, 0, 0
 460, BEAM , 2, 7, 520, 521, 0, 0
 461, BEAM , 2, 7, 521, 522, 0, 0
 462, BEAM , 2, 7, 522, 523, 0, 0
 463, BEAM , 2, 7, 523, 524, 0, 0
 464, BEAM , 2, 7, 524, 525, 0, 0
 465, BEAM , 2, 7, 525, 526, 0, 0
 466, BEAM , 2, 7, 526, 527, 0, 0
 467, BEAM , 2, 7, 527, 528, 0, 0
 468, BEAM , 2, 6, 529, 532, 0, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

```

469, BEAM , 2, 6, 532, 533, 0, 0
470, BEAM , 2, 6, 533, 534, 0, 0
471, BEAM , 2, 7, 534, 535, 0, 0
472, BEAM , 2, 7, 535, 536, 0, 0
473, BEAM , 2, 7, 536, 537, 0, 0
474, BEAM , 2, 7, 537, 538, 0, 0
475, BEAM , 2, 7, 538, 539, 0, 0
476, BEAM , 2, 7, 539, 540, 0, 0
477, BEAM , 2, 7, 540, 541, 0, 0
478, BEAM , 2, 7, 541, 542, 0, 0
479, BEAM , 2, 7, 542, 543, 0, 0
480, BEAM , 2, 7, 543, 544, 0, 0
481, BEAM , 2, 6, 356, 545, 0, 0
482, BEAM , 2, 7, 545, 546, 0, 0
483, BEAM , 2, 7, 546, 547, 0, 0
484, BEAM , 2, 7, 547, 548, 0, 0
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486, BEAM , 2, 7, 549, 550, 0, 0
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489, BEAM , 2, 7, 552, 553, 0, 0
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491, BEAM , 2, 7, 554, 555, 0, 0
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493, BEAM , 2, 7, 556, 557, 0, 0
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495, BEAM , 2, 7, 558, 559, 0, 0
496, BEAM , 2, 7, 559, 560, 0, 0
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499, BEAM , 2, 7, 562, 563, 0, 0
500, BEAM , 2, 7, 563, 564, 0, 0
501, BEAM , 2, 7, 564, 565, 0, 0
502, BEAM , 2, 7, 357, 566, 0, 0
503, BEAM , 2, 7, 566, 567, 0, 0
504, BEAM , 2, 7, 567, 568, 0, 0
505, BEAM , 2, 7, 568, 569, 0, 0
506, BEAM , 2, 7, 569, 570, 0, 0
507, BEAM , 2, 7, 570, 571, 0, 0
508, BEAM , 2, 7, 571, 572, 0, 0
509, BEAM , 2, 7, 572, 573, 0, 0
510, BEAM , 2, 7, 573, 574, 0, 0
511, BEAM , 2, 7, 574, 575, 0, 0
512, BEAM , 2, 7, 575, 576, 0, 0
513, BEAM , 2, 7, 576, 577, 0, 0

```

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

```

514, BEAM , 2, 7, 577, 578, 0, 0
515, BEAM , 2, 7, 578, 579, 0, 0
516, BEAM , 2, 7, 579, 580, 0, 0
517, BEAM , 2, 7, 580, 581, 0, 0
518, BEAM , 2, 7, 581, 582, 0, 0
519, BEAM , 2, 7, 582, 583, 0, 0
520, BEAM , 2, 7, 583, 584, 0, 0
521, BEAM , 2, 7, 584, 585, 0, 0
522, BEAM , 2, 7, 585, 586, 0, 0
523, BEAM , 2, 7, 358, 587, 0, 0
524, BEAM , 2, 7, 587, 588, 0, 0
525, BEAM , 2, 7, 588, 589, 0, 0
526, BEAM , 2, 7, 589, 590, 0, 0
527, BEAM , 2, 7, 590, 591, 0, 0
528, BEAM , 2, 7, 591, 592, 0, 0
529, BEAM , 2, 7, 592, 593, 0, 0
530, BEAM , 2, 7, 593, 594, 0, 0
531, BEAM , 2, 7, 594, 595, 0, 0
532, BEAM , 2, 7, 595, 596, 0, 0
533, BEAM , 2, 7, 596, 597, 0, 0
534, BEAM , 2, 7, 597, 598, 0, 0
535, BEAM , 2, 7, 598, 599, 0, 0
536, BEAM , 2, 7, 599, 600, 0, 0
537, BEAM , 2, 7, 600, 601, 0, 0
538, BEAM , 2, 7, 601, 602, 0, 0
539, BEAM , 2, 7, 602, 603, 0, 0
540, BEAM , 2, 7, 603, 604, 0, 0
541, BEAM , 2, 7, 604, 605, 0, 0
542, BEAM , 2, 7, 605, 606, 0, 0
543, BEAM , 2, 7, 606, 607, 0, 0

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*GROUP ; Group

; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE

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Pier1 , 422 428to434by2 435to443, 379to385by2 386to394, 0
Pier2 , 423 429 431 433 444to453, 380 382 384 395to404, 0
Pier3 , 475 478to490, 423to435, 0
Pier4 , 513 516to528, 455to467, 0
Pier5 , 356 545to565, 481to501, 0
Pier6 , 357 566to586, 502to522, 0
Pier7 , 358 587to607, 523to543, 0
Pier8 , 529 532to544, 468to480, 0
Pier9 , 491 494to512, 436to454, 0
Pier10 , 454 457to474, 405to422, 0
PierTable1, 19to25, 19to24, 0
PierTable2, 53to59, 53to58, 0

```

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방향(부산)

PierTable3, 87to93, 87to92, 0
 PierTable4, 121to127, 121to126, 0
 PierTable5, 155to161, 155to160, 0
 PierTable6, 189to195, 189to194, 0
 PierTable7, 223to229, 223to228, 0
 PierTable8, 257to263, 257to262, 0
 PierTable9, 291to297, 291to296, 0
 PierTable10, 325to331, 325to330, 0
 P1Seg1, , 325to331, 18 25 325to330, 0
 P1Seg2, , , 17 26, 0
 P1Seg3, , , 16 27, 0
 P1Seg4, , , 15 28, 0
 P1Seg5, , , 14 29, 0
 P1Seg6, , , 13 30, 0
 P1Seg7, , , 12 31, 0
 P1Seg8, , , 11 32, 0
 P1Seg9, , , 10 33, 0
 P1Seg10, , , 9 34, 0
 P1Seg11, , , 8 35, 0
 P1Seg12, , , 7 36, 0
 P1Seg13, , , 6 37, 0
 P2Seg1, , , 52 59, 0
 P2Seg2, , , 51 60, 0
 P2Seg3, , , 50 61, 0
 P2Seg4, , , 49 62, 0
 P2Seg5, , , 48 63, 0
 P2Seg6, , , 47 64, 0
 P2Seg7, , , 46 65, 0
 P2Seg8, , , 45 66, 0
 P2Seg9, , , 44 67, 0
 P2Seg10, , , 43 68, 0
 P2Seg11, , , 42 69, 0
 P2Seg12, , , 41 70, 0
 P2Seg13, , , 40 71, 0
 P3Seg1, , , 86 93, 0
 P3Seg2, , , 85 94, 0
 P3Seg3, , , 84 95, 0
 P3Seg4, , , 83 96, 0
 P3Seg5, , , 82 97, 0
 P3Seg6, , , 81 98, 0
 P3Seg7, , , 80 99, 0
 P3Seg8, , , 79 100, 0
 P3Seg9, , , 78 101, 0
 P3Seg10, , , 77 102, 0
 P3Seg11, , , 76 103, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방향(부산)

P3Seg12, , , 75 104, 0
 P3Seg13, , , 74 105, 0
 P4Seg1, , , 120 127, 0
 P4Seg2, , , 119 128, 0
 P4Seg3, , , 118 129, 0
 P4Seg4, , , 117 130, 0
 P4Seg5, , , 116 131, 0
 P4Seg6, , , 115 132, 0
 P4Seg7, , , 114 133, 0
 P4Seg8, , , 113 134, 0
 P4Seg9, , , 112 135, 0
 P4Seg10, , , 111 136, 0
 P4Seg11, , , 110 137, 0
 P4Seg12, , , 109 138, 0
 P4Seg13, , , 108 139, 0
 P5Seg1, , , 154 161, 0
 P5Seg2, , , 153 162, 0
 P5Seg3, , , 152 163, 0
 P5Seg4, , , 151 164, 0
 P5Seg5, , , 150 165, 0
 P5Seg6, , , 149 166, 0
 P5Seg7, , , 148 167, 0
 P5Seg8, , , 147 168, 0
 P5Seg9, , , 146 169, 0
 P5Seg10, , , 145 170, 0
 P5Seg11, , , 144 171, 0
 P5Seg12, , , 143 172, 0
 P5Seg13, , , 142 173, 0
 P6Seg1, , , 188 195, 0
 P6Seg2, , , 187 196, 0
 P6Seg3, , , 186 197, 0
 P6Seg4, , , 185 198, 0
 P6Seg5, , , 184 199, 0
 P6Seg6, , , 183 200, 0
 P6Seg7, , , 182 201, 0
 P6Seg8, , , 181 202, 0
 P6Seg9, , , 180 203, 0
 P6Seg10, , , 179 204, 0
 P6Seg11, , , 178 205, 0
 P6Seg12, , , 177 206, 0
 P6Seg13, , , 176 207, 0
 P7Seg1, , , 222 229, 0
 P7Seg2, , , 221 230, 0
 P7Seg3, , , 220 231, 0
 P7Seg4, , , 219 232, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_종방향(부산)

P7Seg5 , , 218 233, 0
P7Seg6 , , 217 234, 0
P7Seg7 , , 216 235, 0
P7Seg8 , , 215 236, 0
P7Seg9 , , 214 237, 0
P7Seg10 , , 213 238, 0
P7Seg11 , , 212 239, 0
P7Seg12 , , 211 240, 0
P7Seg13 , , 210 241, 0
P8Seg1 , , 256 263, 0
P8Seg2 , , 255 264, 0
P8Seg3 , , 254 265, 0
P8Seg4 , , 253 266, 0
P8Seg5 , , 252 267, 0
P8Seg6 , , 251 268, 0
P8Seg7 , , 250 269, 0
P8Seg8 , , 249 270, 0
P8Seg9 , , 248 271, 0
P8Seg10 , , 247 272, 0
P8Seg11 , , 246 273, 0
P8Seg12 , , 245 274, 0
P8Seg13 , , 244 275, 0
P9Seg1 , , 290 297, 0
P9Seg2 , , 289 298, 0
P9Seg3 , , 288 299, 0
P9Seg4 , , 287 300, 0
P9Seg5 , , 286 301, 0
P9Seg6 , , 285 302, 0
P9Seg7 , , 284 303, 0
P9Seg8 , , 283 304, 0
P9Seg9 , , 282 305, 0
P9Seg10 , , 281 306, 0
P9Seg11 , , 280 307, 0
P9Seg12 , , 279 308, 0
P9Seg13 , , 278 309, 0
P10Seg1 , , 324 331, 0
P10Seg2 , , 323 332, 0
P10Seg3 , , 322 333, 0
P10Seg4 , , 321 334, 0
P10Seg5 , , 320 335, 0
P10Seg6 , , 319 336, 0
P10Seg7 , , 318 337, 0
P10Seg8 , , 317 338, 0
P10Seg9 , , 316 339, 0
P10Seg10 , , 315 340, 0

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_종방향(부산)

P10Seg11 , , 314 341, 0
P10Seg12 , , 313 342, 0
P10Seg13 , , 312 343, 0
KeySeg1 , 4to6, 4 5, 0
KeySeg2 , 38to40, 38 39, 0
KeySeg3 , 72to74, 72 73, 0
KeySeg4 , 106to108, 106 107, 0
KeySeg5 , 140to142, 140 141, 0
KeySeg6 , 174to176, 174 175, 0
KeySeg7 , 208to210, 208 209, 0
KeySeg8 , 242to244, 242 243, 0
KeySeg9 , 276to278, 276 277, 0
KeySeg10 , 310to312, 310 311, 0
KeySeg11 , 344to346, 344 345, 0
FSM1 , 1to3 362, 1to3, 0
FSM2 , 347to349 363, 346to348, 0
girder , 1to349 362 363, 1to348, 0

*BNDR-GROUP ; Boundary Group
; NAME, AUTOTYPE

S-Pier1, 349585184
S-Pier2, 349585184
S-Pier3, 349585184
S-Pier4, 349585184
S-Pier5, 349585184
S-Pier6, 349585184
S-Pier7, 349585184
S-Pier8, 349585184
S-Pier9, 349585184
S-Pier10, 349585184
S-FSML, 135
S-FSMR, 135
TShoe-P1, 349585184
TShoe-P2, 349585184
TShoe-P3, 349585184
TShoe-P4, 135
TShoe-P8, 135
TShoe-P9, 349585184
TShoe-P10, 349585184
PShoe-P1, 349585184
PShoe-P2, 349585184
PShoe-P3, 349585184
PShoe-P4, 349585184
PShoe-P5, 349585184
PShoe-P6, 349585184

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

PShoe-P7, 349585184
PShoe-P8, 349585184
PShoe-P9, 349585184
PShoe-P10, 349585184
PShoe-FSML, 135
PShoe-FSMR, 135

*LOAD-GROUP ; Load Group
: NAME

Self
PS-PierTable1
PS-PierTable2
PS-PierTable3
PS-PierTable4
PS-PierTable5
PS-PierTable6
PS-PierTable7
PS-PierTable8
PS-PierTable9
PS-PierTable10
PS-P1seg1
PS-P1seg2
PS-P1seg3
PS-P1seg4
PS-P1seg5
PS-P1seg6
PS-P1seg7
PS-P1seg8
PS-P1seg9
PS-P1seg10
PS-P1seg11
PS-P1seg12
PS-P1seg13
PS-P2seg1
PS-P2seg2
PS-P2seg3
PS-P2seg4
PS-P2seg5
PS-P2seg6
PS-P2seg7
PS-P2seg8
PS-P2seg9
PS-P2seg10
PS-P2seg11
PS-P2seg12

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

PS-P2seg13
PS-P3seg1
PS-P3seg2
PS-P3seg3
PS-P3seg4
PS-P3seg5
PS-P3seg6
PS-P3seg7
PS-P3seg8
PS-P3seg9
PS-P3seg10
PS-P3seg11
PS-P3seg12
PS-P3seg13
PS-P4seg1
PS-P4seg2
PS-P4seg3
PS-P4seg4
PS-P4seg5
PS-P4seg6
PS-P4seg7
PS-P4seg8
PS-P4seg9
PS-P4seg10
PS-P4seg11
PS-P4seg12
PS-P4seg13
PS-P5seg1
PS-P5seg2
PS-P5seg3
PS-P5seg4
PS-P5seg5
PS-P5seg6
PS-P5seg7
PS-P5seg8
PS-P5seg9
PS-P5seg10
PS-P5seg11
PS-P5seg12
PS-P5seg13
PS-P6seg1
PS-P6seg2
PS-P6seg3
PS-P6seg4
PS-P6seg5

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

PS-P6seg6
PS-P6seg7
PS-P6seg8
PS-P6seg9
PS-P6seg10
PS-P6seg11
PS-P6seg12
PS-P6seg13
PS-P7seg1
PS-P7seg2
PS-P7seg3
PS-P7seg4
PS-P7seg5
PS-P7seg6
PS-P7seg7
PS-P7seg8
PS-P7seg9
PS-P7seg10
PS-P7seg11
PS-P7seg12
PS-P7seg13
PS-P8seg1
PS-P8seg2
PS-P8seg3
PS-P8seg4
PS-P8seg5
PS-P8seg6
PS-P8seg7
PS-P8seg8
PS-P8seg9
PS-P8seg10
PS-P8seg11
PS-P8seg12
PS-P8seg13
PS-P9seg1
PS-P9seg2
PS-P9seg3
PS-P9seg4
PS-P9seg5
PS-P9seg6
PS-P9seg7
PS-P9seg8
PS-P9seg9
PS-P9seg10
PS-P9seg11

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

PS-P9seg12
PS-P9seg13
PS-P10seg1
PS-P10seg2
PS-P10seg3
PS-P10seg4
PS-P10seg5
PS-P10seg6
PS-P10seg7
PS-P10seg8
PS-P10seg9
PS-P10seg10
PS-P10seg11
PS-P10seg12
PS-P10seg13
PS-KeySeg1
PS-KeySeg2
PS-KeySeg3
PS-KeySeg4
PS-KeySeg5
PS-KeySeg6
PS-KeySeg7
PS-KeySeg8
PS-KeySeg9
PS-KeySeg10
PS-KeySeg11
FT-1
FT-2
FT-3
FT-4
FT-5
FT-6
FT-7
FT-8
FT-9
FT-10
FT-11
FT-12
FT-13
FT-1L
FT-1R
FT-2L
FT-2R
FT-3L
FT-3R

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

FT-4L
FT-4R
FT-5L
FT-5R
FT-6L
FT-6R
FT-7L
FT-7R
FT-8L
FT-8R
FT-9L
FT-9R
FT-10L
FT-10R
WC-1
WC-2
WC-3
WC-4
WC-5
WC-6
WC-7
WC-8
WC-9
WC-10
WC-11
WC-12
WC-13
WC-Key1
WC-Key2
WC-Key3
WC-Key4
WC-Key5
WC-Key6
WC-Key7
WC-Key8
WC-Key9
WC-Key10
WC-Key11
2ND Dead
FT-CS2-1
FT-CS2-2
FT-CS2-3
FT-CS2-4
FT-CS2-5
FT-CS2-6

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

FT-CS2-7
FT-CS2-8
FT-CS2-9
FT-CS2-10
FT-CS2-11
FT-CS2-12
FT-CS2-13
WC-CS2-1
WC-CS2-2
WC-CS2-3
WC-CS2-4
WC-CS2-5
WC-CS2-6
WC-CS2-7
WC-CS2-8
WC-CS2-9
WC-CS2-10
WC-CS2-11
WC-CS2-12
WC-CS2-13
FT-CS3-1
FT-CS3-2
FT-CS3-3
FT-CS3-4
FT-CS3-5
FT-CS3-6
FT-CS3-7
FT-CS3-8
FT-CS3-9
FT-CS3-10
FT-CS3-11
FT-CS3-12
FT-CS3-13
WC-CS3-1
WC-CS3-2
WC-CS3-3
WC-CS3-4
WC-CS3-5
WC-CS3-6
WC-CS3-7
WC-CS3-8
WC-CS3-9
WC-CS3-10
WC-CS3-11
WC-CS3-12

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

WC-CS3-13
FT-CS4-1
FT-CS4-2
FT-CS4-3
FT-CS4-4
FT-CS4-5
FT-CS4-6
FT-CS4-7
FT-CS4-8
FT-CS4-9
FT-CS4-10
FT-CS4-11
FT-CS4-12
FT-CS4-13
WC-CS4-1
WC-CS4-2
WC-CS4-3
WC-CS4-4
WC-CS4-5
WC-CS4-6
WC-CS4-7
WC-CS4-8
WC-CS4-9
WC-CS4-10
WC-CS4-11
WC-CS4-12
WC-CS4-13
FT-CS5-1
FT-CS5-2
FT-CS5-3
FT-CS5-4
FT-CS5-5
FT-CS5-6
FT-CS5-7
FT-CS5-8
FT-CS5-9
FT-CS5-10
FT-CS5-11
FT-CS5-12
FT-CS5-13
WC-CS5-1
WC-CS5-2
WC-CS5-3
WC-CS5-4
WC-CS5-5

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

WC-CS5-6
WC-CS5-7
WC-CS5-8
WC-CS5-9
WC-CS5-10
WC-CS5-11
WC-CS5-12
WC-CS5-13
PS-FMSL
PS-FMSR
LEXT-1
LEXT-2
LEXT-3
LEXT-4
LEXT-5
LEXT-6
LEXT-7
LEXT-8
LEXT-9
LEXT-10
LEXT-11

*MATERIAL ; Material
: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
: STEEL, CONC, USER
: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
: SRC
: [DATA1] : 1, DB, NAME, CODE
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS ; Ort
hotropic
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
1, USER , C40 , 0, 0, , C, NO, 0.05, 2, 3.0867e+007, 0.18, 1.0000e-
005, 23.52, 0
2, CONC , C27 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2007 ,
C27
3, USER , Tendon , 0, 0, , C, NO, 0, 2, 2.0000e+008, 0, 0.0000e+000
, 78.5, 0

*MATL-COLOR
: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

PROJECT TITLE :

	Company		Client	
	Author		File Name	고정대교(FCM)_중방항(부산)

*TDM-TYPE : Time Dependent Material
; NAME=NAME, CODE, STR, HU, VOL, AGE, CFACTA, CFACTB, TYPE, [ACI1 or ACI2] ; CODE=
ACI
; NAME=NAME, CODE, STR, HU, MSIZE, CTYPE, AGE ; CODE=
CEB1990,KS,CEB1978,KSCE 2010,KCI-USD12
; NAME=NAME, CODE, N1, PHI1, N2, PHI2 ; CODE=
MEM
; NAME=NAME, CODE, STR, HU, USS, UCS, VOL, RR, MOD ; CODE=
PCA
; NAME=NAME, CODE, STR, HU, VOL, UCS, VSR1, LAF, US, VSR, PST, bRCE, RR, MOD ; CODE=
COMBINED
; NAME=NAME, CODE, STR, HTYPE, HU, MSIZE, CTYPE, AGE, CM ; CODE=
JAPAN
; NAME=NAME, CODE, ELAST, HU, VOL, CC, WC, AGE ; CODE=
JSCE
; NAME=NAME, CODE, STR, HTYPE, HU, MSIZE, AGE ; CODE=
CHINA
; NAME=NAME, CODE, STR, HU, MSIZE, BSC, AGE ; CODE=
JTG
; NAME=NAME, CODE, STR, HU, VSR, AGE, bEXPOSE ; CODE=
AASHTO
; NAME=NAME, CODE, STR, HU, MSIZE, AGE ; CODE=
INDIA(IRC:18-2000)
; NAME=NAME, CODE, STR, HU, MSIZE, CTYPE, AGE, TCode, bSILICA ; CODE=
European
; NAME=NAME, CODE, STR, HU, AGE, M, CMETH, CTYPE, CREEP, CONCT, W, MAXS, A, PZ ; CODE=
Russian
; NAME=NAME, CODE, bSSF, SSFNAME ; CODE=
USER(line1)
; CREEPFUNC1, AGE1, CREEPFUNC2, AGE2, ... ;
USER(from line 2)
; [ACI1] : CURE, SLUMP, FAP, AIR, CC
; [ACI2] : UCC, USS
NAME=C40, CEB, 40000, 60, 1, NR, 3, 0

*TDM-ELAST : Time Dependent Material(Comp. Strength)
; NAME=NAME, TYPE, CODE, STRENGTH, A, B ; TYPE=CODE(Korean Standard, ACI)
; NAME=NAME, TYPE, CODE, STRENGTH, iCTYPE ; TYPE=CODE(CEB-FIP, Ohzagi)
; NAME=NAME, TYPE, CODE, STRENGTH ; TYPE=CODE(Chinese Standard)
; NAME=NAME, TYPE, CODE, STRENGTH, bUSE, [DATA] ; TYPE=CODE(Japan(Hydration))
; NAME=NAME, TYPE, CODE, STRENGTH, iTYPE ; TYPE=CODE(Japan(Ela

PROJECT TITLE :

	Company		Client	
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stic))
; NAME=NAME, TYPE, CODE, STRENGTH ; TYPE=CODE(INDIA(IRC:18-2000))
; NAME=NAME, TYPE, CODE, STRENGTH, iCTYPE ; TYPE=CODE(European)

; NAME=NAME, TYPE, CODE, STRENGTH, ; TYPE=CODE(CEB-FIP(1978))
; NAME=NAME, TYPE, CODE, STRENGTH, TYPE, CMETH, CTYPE, MAXS, PZ ; TYPE=CODE(Russian))

; NAME=NAME, TYPE, SCALE ; TYPE=USER(line 1)
; DAY1, COMP1, TENS1, ELAST1, DAY2, COMP2, ... ; USER(from line 2)
; [DATA] : A, B, D, TSF or iCTYPE, TSF
NAME=C40, CODE, CEB-FIP(1990), 40000, 2

*TDM-LINK : Time Dependent Material Link
; IMAT, TDM-TYPE1(CREEP/SHRINKAGE), TDM-TYPE2(ELASTICITY)
1, C40, C40

*ELEM-DEPMATL : Change Element Dependent Material Property
; ELEM_LIST, TYPE, H(VS)
15to321by34 28to334by34, NSM, 0.54342
17to323by34 26to332by34, NSM, 0.584063
1to5 38to310by34 39to311by34 344to348, NSM, 0.438282
19to325by34 24to330by34, NSM, 0.621307
16to322by34 27to333by34, NSM, 0.563326
12to318by34 31to337by34, NSM, 0.491027
10to316by34 33to339by34, NSM, 0.464546
385to404 408to422 426to435 439to454 458to467 471to480 482to543, NSM, 1.03094
11to317by34 32to338by34, NSM, 0.476791
9to315by34 34to340by34, NSM, 0.454487
6to312by34 37to343by34, NSM, 0.438943
20to326by34 23to329by34, NSM, 0.631524
7to313by34 36to342by34, NSM, 0.441573
379to384 405to407 423to425 436to438 455to457 468to470 481, NSM, 2.21951
14to320by34 29to335by34, NSM, 0.524577
18to324by34 25to331by34, NSM, 0.605411
13to336by17, NSM, 0.507033
8to314by34 35to341by34, NSM, 0.446785
21to327by34 22to328by34, NSM, 2.04582

*SECTION : Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER

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; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st l
ine - VALUE
; AREA, ASy, ASz, lxx, lyy, lzz ; 2nd l
ine
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd l
ine
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st l
ine - SRC
; D1, D2, [SRC] ; 2nd l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st l
ine - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23,
D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE ; 1st l
ine - TAPERED
; DB, NAME1, NAME2 ; 2nd l
ine(STYPE=DB)
; [DIM1], [DIM2] ; 2nd l
ine(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd l
ine(STYPE=VALUE)
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd l
ine(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th l
ine(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th l
ine(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th l
ine(STYPE=VALUE)
; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th l
ine(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th l
ine(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th l
ine(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd l
ine(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ; 2nd l
ine(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd l
ine(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd l

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ine(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th l
ine(STYPE=PSC)
; [SIZE-A]-i ; 5th l
ine(STYPE=PSC)
; [SIZE-B]-i ; 6th l
ine(STYPE=PSC)
; [SIZE-C]-i ; 7th l
ine(STYPE=PSC)
; [SIZE-D]-i ; 8th l
ine(STYPE=PSC)
; [SIZE-A]-j ; 9th l
ine(STYPE=PSC)
; [SIZE-B]-j ; 10th
line(STYPE=PSC)
; [SIZE-C]-j ; 11th
line(STYPE=PSC)
; [SIZE-D]-j ; 12th
line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd l
ine(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd l
ine(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th l
ine(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ; 5th l
ine(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd l
ine(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd l
ine(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th l
ine(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th l
ine(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th l
ine(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th l
ine(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th l
ine(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th l
ine(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th
line(STYPE=CMP-CI/CT)