```
0000000  $ MEMBER NAME FLUATING-TAM#1(YUM2)
0000000  STRUDL 'TRANSV' 'PORTION RDWY PONTOON D NEAR WALL 5'
0000000  TYPE PLANE FRAME
0000000  UNITS FEET KIPS DEGREES
0000000  SET ELEMENTS INTEGER
0000000  JOINT COORDINATES
0000000  1      0.0     29.16
0000000  2     16.58    28.82
0000000  3     31.42    28.53
0000000  4     46.25    28.23
0000000  5     61.08    27.93
0000000  6     75.92    28.10
0000000  7     90.75    28.82
0000000  8    106.17    28.71
0000000  9     16.58     0.0     SUPPORT
0000000  10    31.42     0.0     SUPPORT
0000000  11    46.25     0.0     SUPPORT
0000000  12    61.08     0.0     SUPPORT
0000000  13    75.92     0.0     SUPPORT
0000000  14    90.75     0.0     SUPPORT
0000000  15    53.66    28.08    SUPPORT
0000000  JOINT RELEASES
0000000  15 FORCE Y MOMENT Z
0000000  9          MOMENT Z
0000000  10 11 12 13 14 FORCE X  MOMENT Z
0000000  MEMBER INCIDENCES
0000000  1     1     2
0000000  2     2     3
0000000  3     3     4
0000000  4     4    15
0000000  5     5     6
0000000  6     6     7
0000000  7     7     8
0000000  8     2     9
0000000  9     3    10
0000000  10    4    11
0000000  11    5    12
0000000  12    6    13
0000000  13    7    14
0000000  14    9    10
0000000  15   10    11
0000000  16   11    12
0000000  17   12    13
0000000  18   13    14
0000000  19   15     5
0000000  MEMBER PROPERTIES PRISMATIC
0000000  9 10 11 12 AX .583   IZ .017   YD .583   YC .292
0000000  MEMBER PROPERTIES VARIABLE
0000000  1
0000000  SEG 1 AX  .792   IZ  .041   YD  .792   YC  .396   L 8.66
0000000  SEG 2 AX  .951   IZ  .072   YD  .951   YC  .475   L 2.64
0000000  SEG 3 AX 1.185   IZ  .139   YD 1.185   YC  .593   L 2.64
0000000  SEG 4 AX 1.420   IZ  .239   YD 1.420   YC  .710   L 2.64
0000000  2
0000000  SEG 1 AX 1.492   IZ  .277   YD 1.492   YC  .746   L 2.47
0000000  SEG 2 AX 1.195   IZ  .142   YD 1.195   YC  .598   L 2.47
0000000  SEG 3 AX  .898   IZ  .060   YD  .898   YC  .449   L 2.47
0000000  SEG 4 AX  .750   IZ  .035   YD  .750   YC  .375   L 4.14
0000000  SEG 5 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 6 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
0000000  4
0000000  SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
```

STRUDL INPUT

SECTION LOCATED NEAR WALL 13 OF PONTOON D

FOR TYPICAL ROADWAY PONTOON FINAL DESIGN

(PONTOON E.P. & PORTIONAL D&Q)

33003386

```
0000000  SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L 4.14
0000000  19
0000000  SEG 1 AX  .750   IZ  .035   YD  .750   YC  .375   L 4.13
0000000  SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 3 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
0000000  3 5
0000000  SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
0000000  SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L 8.27
0000000  SEG 4 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 5 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
0000000  6
0000000  SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684   L 1.64
0000000  SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478   L 1.64
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L 4.14
0000000  SEG 4 AX  .898   IZ  .060   YD  .898   YC  .449   L 2.47
0000000  SEG 5 AX 1.195   IZ  .142   YD 1.195   YC  .598   L 2.47
0000000  SEG 6 AX 1.492   IZ  .277   YD 1.492   YC  .746   L 2.47
0000000  7
0000000  SEG 1 AX 1.420   IZ  .239   YD 1.420   YC  .710   L 2.64
0000000  SEG 2 AX 1.185   IZ  .139   YD 1.185   YC  .593   L 2.64
0000000  SEG 3 AX  .951   IZ  .072   YD  .951   YC  .475   L 2.64
0000000  SEG 4 AX  .792   IZ  .041   YD  .792   YC  .396   L 7.50
0000000  8 13
0000000  SEG 1 AX 1.607   IZ  .346   YD 1.607   YC  .804   L  2.07
0000000  SEG 2 AX 1.091   IZ  .108   YD 1.091   YC  .545   L  2.06
0000000  SEG 3 AX  .833   IZ  .048   YD  .833   YC  .417   L 20.56
0000000  SEG 4 AX 1.091   IZ  .108   YD 1.091   YC  .545   L  2.06
0000000  SEG 5 AX 1.607   IZ  .346   YD 1.607   YC  .804   L  2.07
0000000  14
0000000  SEG 1 AX 1.530   IZ  .299   YD 1.530   YC  .765   L  2.08
0000000  SEG 2 AX 1.010   IZ  .086   YD 1.010   YC  .505   L  2.08
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L  7.39
0000000  SEG 4 AX  .955   IZ  .073   YD  .955   YC  .478   L  1.64
0000000  SEG 5 AX 1.365   IZ  .212   YD 1.365   YC  .683   L  1.64
0000000  15 16 17
0000000  SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684   L  1.64
0000000  SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478   L  1.64
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L  8.27
0000000  SEG 4 AX  .956   IZ  .073   YD  .956   YC  .478   L  1.64
0000000  SEG 5 AX 1.367   IZ  .213   YD 1.367   YC  .684   L  1.64
0000000  18
0000000  SEG 1 AX 1.365   IZ  .212   YD 1.365   YC  .683   L  1.64
0000000  SEG 2 AX  .955   IZ  .073   YD  .955   YC  .478   L  1.64
0000000  SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375   L  7.39
0000000  SEG 4 AX 1.010   IZ  .086   YD 1.010   YC  .505   L  2.08
0000000  SEG 5 AX 1.530   IZ  .299   YD 1.530   YC  .765   L  2.08
0000000  CONSTANTS
0000000  E  648000      ALL
0000000  G  282000      ALL
0000000  CTE  .000006   ALL
0000000  LOADING 1 'DEAD LOAD'
0000000  JOINT 1 LOAD FORCE  Y -.015
0000000  JOINT 8 LOAD FORCE  Y -.409
0000000  MEMBER LOADS
0000000  1 FORCE Y GLO CONC P -.359 L 10.45
0000000  5 FORCE Y GLO CONC P -.491 L  3.17
0000000  19 FOR  Y GLO UNI      W -.139
0000000  4 THRU 7 FORCE Y GLO UNI W -.139
0000000  1 FORCE Y GLO UNI FR   W -.006          LA 0.0  LB  .52
0000000  1 FORCE Y GLO UNI FR   W -.053          LA  .52 LB 1.00
```

33003387

```
0000000  2 FORCE Y GLO UNI FR  W -.053          LA 0.0  LB  .50
0000000  2 FORCE Y GLO UNI FR  W -.048          LA  .78 LB 1.00
0000000  3   5 FORCE Y GLO UNI FR  W -.048      LA 0.0  LB  .22
0000000  3   5 FORCE Y GLO UNI FR  W -.048      LA  .78 LB 1.00
0000000  6 FORCE Y GLO UNI FR  W -.048          LA 0.0  LB  .22
0000000  6 FORCE Y GLO UNI FR  W -.053          LA  .50 LB 0.0
0000000  7 FORCE Y GLO UNI FR  W -.053          LA 0.0  LB  .50
0000000  7 FORCE Y GLO UNI FR  W -.006          LA  .50 LB 1.00
0000000  8 13 FORCE Y GLO UNI W -.133
0000000  8 13 FORCE Y GLO UNI FR  W -.058       LA 0.0  LB  .14
0000000  8 13 FORCE Y GLO UNI FR  W -.058       LA  .86 LB 1.00
0000000  9 10 11 12 FORCE Y GLO UNI W -.093
0000000  14 THRU 18 FORCE Y GLO UNI W -.120
0000000  14 FORCE Y GLO UNI FR  W -.062         LA 0.0  LB  .28
0000000  14 FORCE Y GLO UNI FR  W -.048         LA  .78 LB 1.00
0000000  15 16 17 FORCE Y GLO UNI FR  W -.048   LA 0.0  LB  .22
0000000  15 16 17 FORCE Y GLO UNI FR  W -.048   LA  .78 LB 1.00
0000000  18 FORCE Y GLO UNI FR  W -.048         LA 0.0  LB  .22
0000000  18 FORCE Y GLO UNI FR  W -.062         LA  .78 LB 1.00
0000000  4   FOR   Y GLO UNI FR  W -.048        LA 0.0  LB  .44
0000000  19 FOR   Y GLO UNI FR  W -.048         LA 0.56 LB 1.00
0000000  LOADING 2 'HS-20 #1 LT CANT & PEDESTRIAN'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO UNI FR W -.085  LA 0.00  LB 0.60
0000000  1 FOR Y GLO CON P -1.85    L 12.25
0000000  2 FOR Y GLO CON P -5.00    L  1.67
0000000  LOADING 3 'HS-20 #2 LT CANT & INT CELL'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO CON P -1.26    L  3.08
0000000  1 FOR Y GLO CON P -1.26    L  9.08
0000000  3 FOR Y GLO CON P -4.81 L 1.48
0000000  3 FOR Y GLO CON P -1.96 L 7.48
0000000  LOADING 4 'HS-20 #3 LT CANT & INT CELL'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO CON P -1.26    L  3.08
0000000  1 FOR Y GLO CON P -1.26    L  9.08
0000000  3 FOR Y GLO CON P -2.81 L 2.97
0000000  3 FOR Y GLO CON P -1.99 L 7.97
0000000  LOADING 5 'HS-20 #4 LT CANT & INT CELL'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO CON P -1.26 L 3.08
0000000  1 FOR Y GLO CON P -1.26 L 9.08
0000000  3 FOR Y GLO CON P -1.99 L 5.87
0000000  3 FOR Y GLO CON P -2.81 L 11.87
0000000  LOADING 6 'HS-20 #5 LT CANT & INT CELL'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO CON P -1.26 L 3.08
0000000  1 FOR Y GLO CON P -1.26 L 9.08
0000000  3 FOR Y GLO CON P -1.96 L 7.35
0000000  3 FOR Y GLO CON P -4.81 L 13.35
0000000  LOADING 7 'HS-20 #6 EXT CELL & INT CELL'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -3.42 L 1.48
0000000  2 FOR Y GLO CON P -2.56 L 7.48
         4 FOR Y GLO CON P -2.81 L 2.97
         19 FOR Y GLO CON P -1.99 L 1.55
0000000  LOADING 8 'HS-20 #7 EXT CELL & INT CELL'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -2.55 L 3.24
0000000  2 FOR Y GLO CON P -2.30 L 9.24
         4 FOR Y GLO CON P -2.81 L 2.97
         19 FOR Y GLO CON P -1.99 L 1.55
```

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```
0000000  LOADING 9  'HS-20 #8 LT CANT & EXT CELL'
0000000  MEMBER LOADS
0000000  1 FOR Y GLO CON P -1.26 L 3.08
0000000  1 FOR Y GLO CON P -1.26 L 9.08
0000000  2 FOR Y GLO CON P -2.54 L 4.45
0000000  2 FOR Y GLO CON P -2.92 L 10.45
0000000  LOADING 10 'HS-20 #9  EXT & INT CELLS'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -2.78 L 5.93
0000000  2 FOR Y GLO CON P -2.87 L 11.93
0000000  3 FOR Y GLO CON P -4.81 L 1.48
0000000  3 FOR Y GLO CON P -1.96 L 7.48
0000000  LOADING  11 'HS-20 #10 EXT & MID CELLS'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -1.72 L 7.42
0000000  2 FOR Y GLO CON P -6.13 L 13.42
0000000  4 FOR Y GLO CON P -4.81 L 1.48
0000000  19 FOR Y GLO CON P -1.96 L 0.06
0000000  LOADING  12 'HS-20 #11 EXT & MID CELLS'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -1.72 L 7.42
0000000  2 FOR Y GLO CON P -6.13 L 13.42
0000000  4 FOR Y GLO CON P -2.81 L 2.97
0000000  19 FOR Y GLO CON P -1.99 L 1.55
0000000  LOADING 13 'HS-20 #12 EXT & MID CELLS'
0000000  MEMBER LOADS
0000000  2 FOR Y GLO CON P -1.72 L 7.42
0000000  2 FOR Y GLO CON P -6.13 L 13.42
0000000  4 FOR Y GLO CON P -1.99 L 5.87
0000000  19 FOR Y GLO CON P -2.81 L 4.45
0000000  LOADING 14 'HS-20 #13 INT & MID CELLS'
0000000  MEMBER LOADS
0000000  3 FOR Y GLO CON P -1.96 L 7.35
0000000  3 FOR Y GLO CON P -4.81 L 13.35
0000000  4 FOR Y GLO CON P -4.81 L 1.48
0000000  19 FOR Y GLO CON P -1.96 L 0.06
0000000  LOADING 15 'HS-20 #14 INT & MID CELLS'
0000000  MEMBER LOADS
0000000  3 FOR Y GLO CON P -1.96 L 7.35
0000000  3 FOR Y GLO CON P -4.81 L 13.35
0000000  4 FOR Y GLO CON P -2.81 L 2.97
0000000  19 FOR Y GLO CON P -1.99 L 1.55
0000000  LOADING 16 'HS-20 #15  LT. CANT. SLAB'
0000000  MEMBER LOADS
0000000  7 FOR Y GLO CON P -1.26 L 7.56
0000000  7 FOR Y GLO CON P -1.26 L 13.56
0000000  LOADING 17 'HS-20 #16 RT CANT & EXT CELL'
0000000  MEMBER LOADS
0000000  6 FOR Y GLO CON P -2.18 L 9.39
0000000  7 FOR Y GLO CON P -1.47 L  .56
0000000  7 FOR Y GLO CON P -1.47 L 7.56
0000000  7 FOR Y GLO CON P -1.47 L 13.56
0000000  LOADING 18 'R R TRANSIT #1 RT CANT & INT CELL'
0000000  MEMBER LOADS
0000000  5 FOR Y GLO CON P -2.01 L 8.72
0000000  5 FOR Y GLO CON P -5.21 L 13.72
0000000  7 FOR Y GLO CON P -1.64 L 5.05
0000000  7 FOR Y GLO CON P -1.64 L 10.05
0000000  LOADING 19 'R R TRANSIT #2 INT & EXT CELLS'
0000000  MEMBER LOADS
0000000  5 FOR Y GLO CON P -2.01 L 8.72
0000000  5 FOR Y GLO CON P -5.21 L 13.72
```

33003389

```
0000000  9 FOR X GLO CON P -2.69 L 7.89
0000000  6 FOR Y GLO CON P -3.88 L 12.89
0000000  LOADING 20 'R R TRANSIT #3 RT CANT & EXT CELL'
0000000  MEMBER LOADS
0000000  6 FOR Y GLO CON P -2.57 L 5.89
0000000  6 FOR Y GLO CON P -2.55 L 10.89
0000000  7 FOR Y GLO CON P -1.64 L 5.05
0000000  7 FOR Y GLO CON P -1.64 L 10.05
0000000  LOADING 21 'R R TRANSIT #4 EXT & INT CELLS'
0000000  MEMBER LOADS
0000000  6 FOR Y GLO CON P -2.23 L 7.89
0000000  6 FOR Y GLO CON P -3.88 L 12.89
0000000  4 FOR Y GLO CON P -1.96 L 7.35
0000000  19 FOR Y GLO CON P -4.81 L 5.93
0000000  LOADING 22 'R R TRANSIT #5 EXT & INT CELLS'
0000000  MEMBER LOADS
0000000  6 FOR Y GLO CON P -2.57 L 5.89
0000000  6 FOR Y GLO CON P -2.55 L 10.89
0000000  4 FOR Y GLO CON P -1.96 L 7.35
0000000  19 FOR Y GLO CON P -4.81 L 5.93
0000000  LOADING 23 'HYDROSTATIC PRESSURE 17.42 FT OF DRAFT'
0000000  MEMBER LOADS
0000000  8 FOR X GLO LIN FR WA 0.0 WB 0.870 LA .41 LB 1.0
0000000  13 FOR X GLO LIN FR WA 0.0 WB -0.870 LA .41 LB 1.0
0000000  14 THRU 18 FOR Y GLO UNI W 1.087
0000000  LOADING 24 'WAVE FORCE PLUS HYDROSTATIC PRESSURE'
0000000  MEMBER LOADS
0000000  8  FOR X GLO LIN FR WA 0.00  WB 1.279  LA .13 LB 1.0
0000000  13 FOR X GLO LIN FR WA 0.0   WB -0.870 LA .40 LB 1.0
0000000  14 FOR Y GLO LIN FR WA 1.129  WB 1.121
0000000  15 FOR Y GLO LIN FR WA 1.121  WB 1.112
0000000  16 FOR Y GLO LIN FR WA 1.112  WB 1.104
0000000  17 FOR Y GLO LIN FR WA 1.104  WB 1.095
0000000  18 FOR Y GLO LIN FR WA 1.095  WB 1.087
0000000  LOADING COMBINATION 25 'WAVE FORCE' COMBINE 24 1.0 23 -1.0
0000000  LOADING 26 'FLOOD EXTERIOR CELL 17.42 FT OF DRAFT'
0000000  MEMBER LOADS
0000000  9  FOR X GLO LIN FR WA 0.0   WB .993 LA .40 LB .96
0000000  8  FOR X GLO LIN FR WA 0.0   WB -.993 LA .40 LB .96
0000000  14 FOR Y GLO UNI W -1.087
0000000  LOADING 27 'FLOOD EXTERIOR CELL FULL DEPTH'
0000000  MEMBER LOADS
0000000  9  FOR X GLO LIN FR WA 0.047 WB 1.695 LA .04 LB .96
0000000  8  FOR X GLO LIN FR WA -.047 WB -1.695 LA .04 LB .96
0000000  14 FOR Y GLO UNI W -1.743
0000000  LOADING 28 'FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT'
0000000  MEMBER LOADS
0000000  9  FOR X GLO LIN FR WA 0.0   WB -1.017 LA .40  LB .96
0000000  10 FOR X GLO LIN FR WA 0.0   WB  1.017 LA .40  LB .96
0000000  15 FOR Y GLO UNI W -1.04
0000000  LOADING 29 'FLOOD FIRST INTERIOR CELL  FULL DEPTH'
0000000  MEMBER LOADS
0000000  9  FOR X GLO LIN FR WA -.047  WB -1.677  LA .04  LB .96
0000000  10 FOR X GLO LIN FR WA  .047  WB  1.677  LA .04  LB .96
0000000  15 FOR Y GLO UNI W -1.724
0000000  LOADING 30 'FLOOD MIDDLE CELL 17.42 FT OF DRAFT'
0000000  MEMBER LOADS
0000000  10 FOR X GLO LIN FR WA 0.0   WB -1.017 LA .40  LB .96
0000000  11 FOR X GLO LIN FR WA 0.0   WB  1.017 LA .40  LB .96
0000000  16 FOR Y GLO UNI W -1.04
0000000  LOADING 31 'FLOOD MIDDLE CELL FULL DEPTH'
0000000  MEMBER LOADS
```

```
0000000  10 FOR X GLO LIN FR WA -.047  WB -1.638  LA .04  LB .96
0000000  11 FOR X GLO LIN FR WA  .047  WB  1.658  LA .04  LB .96
0000000  16 FOR Y GLO UNI W -1.705
0000000  LOADING 32 'TEMPERATURE INCREASE OF 35-DEGREES ON TOP SLAB'
0000000  MEMBER TEMPERATURE LOADS
0000000  1 THRU 7 AXIAL 35.0
0000000  19       AXIAL 35.0
0000000  PRINT DATA
0000000  LOADING LIST ALL
0000000  STIFFNESS ANALYSIS
0000000  OUTPUT DECIMAL 4
0000000  LIST FOR LOA REA DISP ALL
0000000  LIST SEC FOR ALL MEM SEC FRA DS 0.0 0.1
0000000  FINISH
```

3300339I

```
$ MEMBER NAME FLOATING-TAM#1(YUM2)
STRUDL 'TRANSV' 'PORTION RDWY PONTOON D NEAR WALL 5'

            ***********************************************
            *                                             *
            *                ICES STRUDL-II               *
            *          THE STRUCTURAL DESIGN LANGUAGE     *
            *                                             *
            *     CIVIL ENGINEERING SYSTEMS LABORATORY    *
            *     MASSACHUSETTS INSTITUTE OF TECHNOLOGY   *
            *          CAMBRIDGE, MASSACHUSETTS           *
            *            V2 M0    OCTOBER, 1970           *
            *            17:25:52        4/21/83          *
            *                                             *
            ***********************************************
```

ROADWAY SECTION
PONTOON D — NEAR WALL 13
FOR TYPICAL ROADWAY PONTOON DESIGN
(PONTOON E, P. & PORTIONAL D & Q)

DESIGN LIMIT { ROADWAY SLAB, INCLUDED CANTILEVER SLABS
VERTICAL EXTERIOR WALLS
BOTTOM SLAB

CONDITION — FINAL CONSTRUCTION

```
TYPE PLANE FRAME
UNITS FEET KIPS DEGREES
SET ELEMENTS INTEGER
JOINT COORDINATES
1     0.0     29.16
2    16.58    28.82
3    31.42    28.53
4    46.25    28.23
5    61.08    27.93
6    75.92    28.10
7    90.75    28.82
8   106.17    28.71
9    16.58     0.0    SUPPORT
10   31.42     0.0    SUPPORT
11   46.25     0.0    SUPPORT
12   61.08     0.0    SUPPORT
13   75.92     0.0    SUPPORT
14   90.75     0.0    SUPPORT
15   53.66    28.08   SUPPORT
JOINT RELEASES
15 FORCE Y MOMENT Z
```

33003392

```
9          MOMENT Z
10 11 12 13 14 FORCE X  MOMENT Z
MEMBER INCIDENCES
1    1    2
2    2    3
3    3    4
4    4    15
5    5    6
6    6    7
7    7    8
8    2    9
9    3    10
10   4    11
11   5    12
12   6    13
13   7    14
14   9    10
15   10   11
16   11   12
17   12   13
18   13   14
19   15   5
MEMBER PROPERTIES PRISMATIC
9 10 11 12 AX .583  IZ .017  YD .583  YC .292
MEMBER PROPERTIES VARIABLE
1
SEG 1 AX  .792   IZ  .041   YD  .792   YC  .396   L 8.66
SEG 2 AX  .951   IZ  .072   YD  .951   YC  .475   L 2.64
SEG 3 AX 1.185   IZ  .139   YD 1.185   YC  .593   L 2.64
SEG 4 AX 1.420   IZ  .239   YD 1.420   YC  .710   L 2.64
```

3300339

```
2
SEG 1 AX 1.492   IZ  .277   YD 1.492   YC  .746    L 2.47
SEG 2 AX 1.195   IZ  .142   YD 1.195   YC  .598    L 2.47
SEG 3 AX  .898   IZ  .060   YD  .898   YC  .449    L 2.47
SEG 4 AX  .750   IZ  .035   YD  .750   YC  .375    L 4.14
SEG 5 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 6 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
4
SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L 4.14
19
SEG 1 AX  .750   IZ  .035   YD  .750   YC  .375    L 4.13
SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 3 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
3 5
SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L 8.27
SEG 4 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 5 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
6
SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684    L 1.64
SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478    L 1.64
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L 4.14
SEG 4 AX  .898   IZ  .060   YD  .898   YC  .449    L 2.47
SEG 5 AX 1.195   IZ  .142   YD 1.195   YC  .598    L 2.47
SEG 6 AX 1.492   IZ  .277   YD 1.492   YC  .746    L 2.47
7
SEG 1 AX 1.420   IZ  .239   YD 1.420   YC  .710    L 2.64
```

3300339 4

```
SEG 2 AX 1.185   IZ  .139   YD 1.185   YC  .593    L 2.64
SEG 3 AX  .951   IZ  .072   YD  .951   YC  .475    L 2.64
SEG 4 AX  .792   IZ  .041   YD  .792   YC  .396    L 7.50
8 13
SEG 1 AX 1.607   IZ  .346   YD 1.607   YC  .804    L  2.07
SEG 2 AX 1.091   IZ  .108   YD 1.091   YC  .545    L  2.06
SEG 3 AX  .833   IZ  .048   YD  .833   YC  .417    L 20.56
SEG 4 AX 1.091   IZ  .108   YD 1.091   YC  .545    L  2.06
SEG 5 AX 1.607   IZ  .346   YD 1.607   YC  .804    L  2.07
14
SEG 1 AX 1.530   IZ  .299   YD 1.530   YC  .765    L  2.08
SEG 2 AX 1.010   IZ  .086   YD 1.010   YC  .505    L  2.08
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L  7.39
SEG 4 AX  .955   IZ  .073   YD  .955   YC  .478    L  1.64
SEG 5 AX 1.365   IZ  .212   YD 1.365   YC  .683    L  1.64
15 16 17
SEG 1 AX 1.367   IZ  .213   YD 1.367   YC  .684    L  1.64
SEG 2 AX  .956   IZ  .073   YD  .956   YC  .478    L  1.64
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L  8.27
SEG 4 AX  .956   IZ  .073   YD  .956   YC  .478    L  1.64
SEG 5 AX 1.367   IZ  .213   YD 1.367   YC  .684    L  1.64
18
SEG 1 AX 1.365   IZ  .212   YD 1.365   YC  .683    L  1.64
SEG 2 AX  .955   IZ  .073   YD  .955   YC  .478    L  1.64
SEG 3 AX  .750   IZ  .035   YD  .750   YC  .375    L  7.39
SEG 4 AX 1.010   IZ  .086   YD 1.010   YC  .505    L  2.08
SEG 5 AX 1.530   IZ  .299   YD 1.530   YC  .765    L  2.08
CONSTANTS
E  648000     ALL
G  282000     ALL
```

3300339 5

```
CTE .000006 ALL
LOADING 1 'DEAD LOAD'
JOINT 1 LOAD FORCE Y -.015
JOINT 8 LOAD FORCE Y -.409
MEMBER LOADS
1 FORCE Y GLO CONC P -.359 L 10.45
5 FORCE Y GLO CONC P -.491 L 3.17
19 FOR Y GLO UNI W -.139
1 THRU 7 FORCE Y GLO UNI W -.139
1 FORCE Y GLO UNI FR W -.006 LA 0.0 LB .52
1 FORCE Y GLO UNI FR W -.053 LA .52 LB 1.00
2 FORCE Y GLO UNI FR W -.053 LA 0.0 LB .50
2 FORCE Y GLO UNI FR W -.048 LA .78 LB 1.00
3 5 FORCE Y GLO UNI FR W -.048 LA 0.0 LB .22
3 5 FORCE Y GLO UNI FR W -.048 LA .78 LB 1.00
6 FORCE Y GLO UNI FR W -.048 LA 0.0 LB .22
6 FORCE Y GLO UNI FR W -.053 LA .50 LB 0.0
7 FORCE Y GLO UNI FR W -.053 LA 0.0 LB .50
7 FORCE Y GLO UNI FR W -.006 LA .50 LB 1.00
8 13 FORCE Y GLO UNI W -.133
8 13 FORCE Y GLO UNI FR W -.058 LA 0.0 LB .14
8 13 FORCE Y GLO UNI FR W -.058 LA .86 LB 1.00
9 10 11 12 FORCE Y GLO UNI W -.093
14 THRU 18 FORCE Y GLO UNI W -.120
14 FORCE Y GLO UNI FR W -.062 LA 0.0 LB .28
14 FORCE Y GLO UNI FR W -.048 LA .78 LB 1.00
15 16 17 FORCE Y GLO UNI FR W -.048 LA 0.0 LB .22
15 16 17 FORCE Y GLO UNI FR W -.048 LA .78 LB 1.00
18 FORCE Y GLO UNI FR W -.048 LA 0.0 LB .22
18 FORCE Y GLO UNI FR W -.062 LA .78 LB 1.00
```

33003396

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4  FOR   Y GLO UNI FR  W -.048          LA 0.0  LB  .44
19 FOR   Y GLO UNI FR  W -.048          LA 0.56 LB 1.00
LOADING 2 'HS-20 #1 LT CANT & PEDESTRIAN'
MEMBER LOADS
1 FOR Y GLO UNI FR W -.085  LA 0.00  LB 0.60
1 FOR Y GLO CON P -1.85    L 12.25
2 FOR Y GLO CON P -5.00    L  1.67
LOADING 3 'HS-20 #2 LT CANT & INT CELL'
MEMBER LOADS
1 FOR Y GLO CON P -1.26    L  3.08
1 FOR Y GLO CON P -1.26    L  9.08
3 FOR Y GLO CON P -4.81 L 1.48
3 FOR Y GLO CON P -1.96 L 7.48
LOADING 4 'HS-20 #3 LT CANT & INT CELL'
MEMBER LOADS
1 FOR Y GLO CON P -1.26    L  3.08
1 FOR Y GLO CON P -1.26    L  9.08
3 FOR Y GLO CON P -2.81 L 2.97
3 FOR Y GLO CON P -1.99 L 7.97
LOADING 5 'HS-20 #4 LT CANT & INT CELL'
MEMBER LOADS
1 FOR Y GLO CON P -1.26 L 3.08
1 FOR Y GLO CON P -1.26 L 9.08
3 FOR Y GLO CON P -1.99 L 5.87
3 FOR Y GLO CON P -2.81 L 11.87
LOADING 6 'HS-20 #5 LT CANT & INT CELL'
MEMBER LOADS
1 FOR Y GLO CON P -1.26 L 3.08
1 FOR Y GLO CON P -1.26 L 9.08
3 FOR Y GLO CON P -1.96 L 7.35
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3300339

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3 FOR Y GLO CON P -4.81 L 13.35
LOADING 7 'HS-20 #6 EXT CELL & INT CELL'
MEMBER LOADS
2 FOR Y GLO CON P -3.42 L 1.48
2 FOR Y GLO CON P -2.56 L 7.48
4 FOR Y GLO CON P -2.81 L 2.97
19 FOR Y GLO CON P -1.99 L 1.55
LOADING 8 'HS-20 #7 EXT CELL & INT CELL'
MEMBER LOADS
2 FOR Y GLO CON P -2.55 L 3.24
2 FOR Y GLO CON P -2.30 L 9.24
4 FOR Y GLO CON P -2.81 L 2.97
19 FOR Y GLO CON P -1.99 L 1.55
LOADING 9  'HS-20 #8 LT CANT & EXT CELL'
MEMBER LOADS
1 FOR Y GLO CON P -1.26 L 3.08
1 FOR Y GLO CON P -1.26 L 9.08
2 FOR Y GLO CON P -2.54 L 4.45
2 FOR Y GLO CON P -2.92 L 10.45
LOADING 10 'HS-20 #9  EXT & INT CELLS'
MEMBER LOADS
2 FOR Y GLO CON P -2.78 L 5.93
2 FOR Y GLO CON P -2.87 L 11.93
3 FOR Y GLO CON P -4.81 L 1.48
3 FOR Y GLO CON P -1.96 L 7.48
LOADING  11 'HS-20 #10 EXT & MID CELLS'
MEMBER LOADS
2 FOR Y GLO CON P -1.72 L 7.42
2 FOR Y GLO CON P -6.13 L 13.42
4 FOR Y GLO CON P -4.81 L 1.48
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3303398

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19 FOR Y GLO CON P -1.96 L 0.06
LOADING  12 'HS-20 #11 EXT & MID CELLS'
MEMBER LOADS
2 FOR Y GLO CON P -1.72 L 7.42
2 FOR Y GLO CON P -6.13 L 13.42
4 FOR Y GLO CON P -2.81 L 2.97
19 FOR Y GLO CON P -1.99 L 1.55
LOADING 13 'HS-20 #12 EXT & MID CELLS'
MEMBER LOADS
2 FOR Y GLO CON P -1.72 L 7.42
2 FOR Y GLO CON P -6.13 L 13.42
4 FOR Y GLO CON P -1.99 L 5.87
19 FOR Y GLO CON P -2.81 L 4.45
LOADING 14 'HS-20 #13 INT & MID CELLS'
MEMBER LOADS
3 FOR Y GLO CON P -1.96 L 7.35
3 FOR Y GLO CON P -4.81 L 13.35
4 FOR Y GLO CON P -4.81 L 1.48
19 FOR Y GLO CON P -1.96 L 0.06
LOADING 15 'HS-20 #14 INT & MID CELLS'
MEMBER LOADS
3 FOR Y GLO CON P -1.96 L 7.35
3 FOR Y GLO CON P -4.81 L 13.35
4 FOR Y GLO CON P -2.81 L 2.97
19 FOR Y GLO CON P -1.99 L 1.55
LOADING 16 'HS-20 #15  LT. CANT. SLAB'
MEMBER LOADS
7 FOR Y GLO CON P -1.26 L 7.56
7 FOR Y GLO CON P -1.26 L 13.56
LOADING 17 'HS-20 #16 RT CANT & EXT CELL'
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33003399

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MEMBER LOADS
6 FOR Y GLO CON P -2.18 L 9.39
7 FOR Y GLO CON P -1.47 L  .56
7 FOR Y GLO CON P -1.47 L 7.56
7 FOR Y GLO CON P -1.47 L 13.56
LOADING 18 'R R TRANSIT #1 RT CANT & INT CELL'
MEMBER LOADS
5 FOR Y GLO CON P -2.01 L 8.72
5 FOR Y GLO CON P -5.21 L 13.72
7 FOR Y GLO CON P -1.64 L 5.05
7 FOR Y GLO CON P -1.64 L 10.05
LOADING 19 'R R TRANSIT #2 INT & EXT CELLS'
MEMBER LOADS
5 FOR Y GLO CON P -2.01 L 8.72
5 FOR Y GLO CON P -5.21 L 13.72
6 FOR Y GLO CON P -2.23 L 7.89
6 FOR Y GLO CON P -3.88 L 12.89
LOADING 20 'R R TRANSIT #3 RT CANT & EXT CELL'
MEMBER LOADS
6 FOR Y GLO CON P -2.57 L 5.89
6 FOR Y GLO CON P -2.55 L 10.89
7 FOR Y GLO CON P -1.64 L 5.05
7 FOR Y GLO CON P -1.64 L 10.05
LOADING 21 'R R TRANSIT #4 EXT & INT CELLS'
MEMBER LOADS
6 FOR Y GLO CON P -2.23 L 7.89
6 FOR Y GLO CON P -3.88 L 12.89
4 FOR Y GLO CON P -1.96 L 7.35
19 FOR Y GLO CON P -4.81 L 5.93
LOADING 22 'R R TRANSIT #5 EXT & INT CELLS'
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33003400

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MEMBER LOADS
6 FOR Y GLO CON P -2.57 L 5.89
6 FOR Y GLO CON P -2.55 L 10.89
4 FOR Y GLO CON P -1.96 L 7.35
19 FOR Y GLO CON P -4.81 L 5.93
LOADING 23 'HYDROSTATIC PRESSURE 17.42 FT OF DRAFT'
MEMBER LOADS
8 FOR X GLO LIN FR WA 0.0 WB 0.870 LA .41 LB 1.0
13 FOR X GLO LIN FR WA 0.0 WB -0.870 LA .41 LB 1.0
14 THRU 18 FOR Y GLO UNI W 1.087
LOADING 24 'WAVE FORCE PLUS HYDROSTATIC PRESSURE'
MEMBER LOADS
8  FOR X GLO LIN FR WA 0.00  WB 1.279  LA .13 LB 1.0
13 FOR X GLO LIN FR WA 0.0    WB -0.870 LA .40 LB 1.0
14 FOR Y GLO LIN FR WA 1.129  WB 1.121
15 FOR Y GLO LIN FR WA 1.121  WB 1.112
16 FOR Y GLO LIN FR WA 1.112  WB 1.104
17 FOR Y GLO LIN FR WA 1.104  WB 1.095
18 FOR Y GLO LIN FR WA 1.095  WB 1.087
LOADING COMBINATION 25 'WAVE FORCE' COMBINE 24 1.0 23 -1.0
LOADING 26 'FLOOD EXTERIOR CELL 17.42 FT OF DRAFT'
MEMBER LOADS
9  FOR X GLO LIN FR WA 0.0  WB .993 LA .40 LB .96
8  FOR X GLO LIN FR WA 0.0  WB -.993 LA .40 LB .96
14 FOR Y GLO UNI W -1.087
LOADING 27 'FLOOD EXTERIOR CELL FULL DEPTH'
MEMBER LOADS
9  FOR X GLO LIN FR WA 0.047 WB 1.695 LA .04 LB .96
8  FOR X GLO LIN FR WA -.047 WB -1.695 LA .04 LB .96
14 FOR Y GLO UNI W -1.743
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33003401

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LOADING 28 'FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT'
MEMBER LOADS
9 FOR X GLO LIN FR WA 0.0  WB -1.017 LA .40  LB .96
10 FOR X GLO LIN FR WA 0.0  WB  1.017 LA .40  LB .96
15 FOR Y GLO UNI W -1.04
LOADING 29 'FLOOD FIRST INTERIOR CELL  FULL DEPTH'
MEMBER LOADS
9  FOR X GLO LIN FR WA -.047  WB -1.677  LA .04  LB .96
10 FOR X GLO LIN FR WA  .047  WB  1.677  LA .04  LB .96
15 FOR Y GLO UNI W -1.724
LOADING 30 'FLOOD MIDDLE CELL 17.42 FT OF DRAFT'
MEMBER LOADS
10 FOR X GLO LIN FR WA 0.0  WB -1.017 LA .40  LB .96
11 FOR X GLO LIN FR WA 0.0  WB  1.017 LA .40  LB .96
16 FOR Y GLO UNI W -1.04
LOADING 31 'FLOOD MIDDLE CELL FULL DEPTH'
MEMBER LOADS
10 FOR X GLO LIN FR WA -.047  WB -1.658  LA .04  LB .96
11 FOR X GLO LIN FR WA  .047  WB  1.658  LA .04  LB .96
16 FOR Y GLO UNI W -1.705
LOADING 32 'TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB'
MEMBER TEMPERATURE LOADS
1 THRU 7 AXIAL 35.0
19       AXIAL 35.0
PRINT DATA
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33003402

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****************************************
*  PROBLEM DATA FROM INTERNAL STORAGE  *
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JOB ID - TRANSV JOB TITLE - PORTION ROWY PONTOON D NEAR WALL 5

ACTIVE UNITS -	LENGTH	WEIGHT	ANGLE	TEMPERATURE	TIME
	FEET	KIP	DEG	DEGF	SEC

********** STRUCTURAL DATA **********

ACTIVE STRUCTURE TYPE - PLANE FRAME

ACTIVE COORDINATE AXES X Y

JOINT COORDINATES					STATUS	
JOINT	X	Y	Z	CONDITION		
1	0.0	29.160	0.0		ACTIVE	GLOBAL
2	16.580	28.820	0.0		ACTIVE	GLOBAL
3	31.420	28.530	0.0		ACTIVE	GLOBAL
4	46.250	28.230	0.0		ACTIVE	GLOBAL
5	61.080	27.930	0.0		ACTIVE	GLOBAL
6	75.920	28.100	0.0		ACTIVE	GLOBAL
7	90.750	28.820	0.0		ACTIVE	GLOBAL
8	106.170	28.710	0.0		ACTIVE	GLOBAL
9	16.580	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
10	31.420	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
11	46.250	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
12	61.080	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
13	75.920	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
14	90.750	0.0	0.0	SUPPORT	ACTIVE	GLOBAL
15	53.660	28.080	0.0	SUPPORT	ACTIVE	GLOBAL

JOINT RELEASES						ELASTIC SUPPORT RELEASES					
JOINT	FORCE	MOMENT	THETA 1	THETA 2	THETA 3	KFX	KFY	KFZ	KMX	KMY	KMZ
9		Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	X	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	X	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	X	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	X	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	X	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	Y	Z	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MEMBER INCIDENCES			LENGTH	RELEASES				STATUS		
MEMBER	START	END	LOCAL COORD.	START		END				
				FORCE	MOMENT	FORCE	MOMENT			
1	1	2	16.583					ACTIVE	PLANE	FRAME

33003403

2	2	3	14.843	ACTIVE	PLANE	FRAME
3	3	4	14.833	ACTIVE	PLANE	FRAME
4	4	15	7.411	ACTIVE	PLANE	FRAME
5	5	6	14.841	ACTIVE	PLANE	FRAME
6	6	7	14.847	ACTIVE	PLANE	FRAME
7	7	8	15.420	ACTIVE	PLANE	FRAME
8	2	9	28.820	ACTIVE	PLANE	FRAME
9	3	10	28.530	ACTIVE	PLANE	FRAME
10	4	11	28.230	ACTIVE	PLANE	FRAME
11	5	12	27.930	ACTIVE	PLANE	FRAME
12	6	13	28.100	ACTIVE	PLANE	FRAME
13	7	14	28.820	ACTIVE	PLANE	FRAME
14	9	10	14.840	ACTIVE	PLANE	FRAME
15	10	11	14.830	ACTIVE	PLANE	FRAME
16	11	12	14.830	ACTIVE	PLANE	FRAME
17	12	13	14.840	ACTIVE	PLANE	FRAME
18	13	14	14.830	ACTIVE	PLANE	FRAME
19	15	5	7.422	ACTIVE	PLANE	FRAME

MEMBER PROPERTIES

MEMBER/SFG	TYPE	SFG.L	COMP	AX/YD	AY/ZD	AZ/YC	IX/ZC	IY/EY	IZ/EZ	SY	SZ
1	VARIABLE										
1		8.660	L	0.792	0.0	0.0	0.0	0.0	0.041	0.0	0.0
				0.792	0.0	0.396	0.0	0.0	0.0		
2		2.640	L	0.951	0.0	0.0	0.0	0.0	0.072	0.0	0.0
				0.951	0.0	0.475	0.0	0.0	0.0		
3		2.640	L	1.185	0.0	0.0	0.0	0.0	0.139	0.0	0.0
				1.185	0.0	0.593	0.0	0.0	0.0		
4		2.640	L	1.420	0.0	0.0	0.0	0.0	0.239	0.0	0.0
				1.420	0.0	0.710	0.0	0.0	0.0		
2	VARIABLE										
1		2.470	L	1.492	0.0	0.0	0.0	0.0	0.277	0.0	0.0
				1.492	0.0	0.746	0.0	0.0	0.0		
2		2.470	L	1.195	0.0	0.0	0.0	0.0	0.142	0.0	0.0
				1.195	0.0	0.598	0.0	0.0	0.0		
3		2.470	L	0.898	0.0	0.0	0.0	0.0	0.060	0.0	0.0
				0.898	0.0	0.449	0.0	0.0	0.0		
4		4.140	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
5		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
6		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
3	VARIABLE										
1		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
2		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
3		8.270	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
4		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
5		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
4	VARIABLE										

33003404

	1		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
					1.367	0.0	0.684	0.0	0.0	0.0		
	2		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
					0.956	0.0	0.478	0.0	0.0	0.0		
	3		4.140	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
					0.750	0.0	0.375	0.0	0.0	0.0		
5		VARIABLE										
	1		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
					1.367	0.0	0.684	0.0	0.0	0.0		
	2		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
					0.956	0.0	0.478	0.0	0.0	0.0		
	3		8.270	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
					0.750	0.0	0.375	0.0	0.0	0.0		
	4		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
					0.956	0.0	0.478	0.0	0.0	0.0		
	5		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
					1.367	0.0	0.684	0.0	0.0	0.0		
6		VARIABLE										
	1		1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
					1.367	0.0	0.684	0.0	0.0	0.0		
	2		1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
					0.956	0.0	0.478	0.0	0.0	0.0		
	3		4.140	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
					0.750	0.0	0.375	0.0	0.0	0.0		
	4		2.470	L	0.898	0.0	0.0	0.0	0.0	0.060	0.0	0.0
					0.898	0.0	0.449	0.0	0.0	0.0		
	5		2.470	L	1.195	0.0	0.0	0.0	0.0	0.142	0.0	0.0
					1.195	0.0	0.598	0.0	0.0	0.0		
	6		2.470	L	1.492	0.0	0.0	0.0	0.0	0.277	0.0	0.0
					1.492	0.0	0.746	0.0	0.0	0.0		
7		VARIABLE										
	1		2.640	L	1.420	0.0	0.0	0.0	0.0	0.239	0.0	0.0
					1.420	0.0	0.710	0.0	0.0	0.0		
	2		2.640	L	1.185	0.0	0.0	0.0	0.0	0.139	0.0	0.0
					1.185	0.0	0.593	0.0	0.0	0.0		
	3		2.640	L	0.951	0.0	0.0	0.0	0.0	0.072	0.0	0.0
					0.951	0.0	0.475	0.0	0.0	0.0		
	4		7.500	L	0.792	0.0	0.0	0.0	0.0	0.041	0.0	0.0
					0.792	0.0	0.396	0.0	0.0	0.0		
8		VARIABLE										
	1		2.070	L	1.607	0.0	0.0	0.0	0.0	0.346	0.0	0.0
					1.607	0.0	0.804	0.0	0.0	0.0		
	2		2.060	L	1.091	0.0	0.0	0.0	0.0	0.108	0.0	0.0
					1.091	0.0	0.545	0.0	0.0	0.0		
	3		20.560	L	0.833	0.0	0.0	0.0	0.0	0.048	0.0	0.0
					0.833	0.0	0.417	0.0	0.0	0.0		
	4		2.060	L	1.091	0.0	0.0	0.0	0.0	0.108	0.0	0.0
					1.091	0.0	0.545	0.0	0.0	0.0		
	5		2.070	L	1.607	0.0	0.0	0.0	0.0	0.346	0.0	0.0
					1.607	0.0	0.804	0.0	0.0	0.0		
9		PRISMATIC			0.583	0.0	0.0	0.0	0.0	0.017	0.0	0.0
					0.583	0.0	0.292	0.0	0.0	0.0		
10		PRISMATIC			0.583	0.0	0.0	0.0	0.0	0.017	0.0	0.0
					0.583	0.0	0.292	0.0	0.0	0.0		
11		PRISMATIC			0.583	0.0	0.0	0.0	0.0	0.017	0.0	0.0
					0.583	0.0	0.292	0.0	0.0	0.0		
12		PRISMATIC			0.583	0.0	0.0	0.0	0.0	0.017	0.0	0.0
					0.583	0.0	0.292	0.0	0.0	0.0		
13		VARIABLE										
	1		2.070	L	1.607	0.0	0.0	0.0	0.0	0.346	0.0	0.0

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	2	2.060	L	1.607	0.0	0.804	0.0	0.0	0.0		
				1.091	0.0	0.0	0.0	0.0	0.108	0.0	0.0
	3	20.560	L	1.091	0.0	0.545	0.0	0.0	0.0		
				0.833	0.0	0.0	0.0	0.0	0.048	0.0	0.0
	4	2.060	L	0.833	0.0	0.417	0.0	0.0	0.0		
				1.091	0.0	0.0	0.0	0.0	0.108	0.0	0.0
	5	2.070	L	1.091	0.0	0.545	0.0	0.0	0.0		
				1.607	0.0	0.0	0.0	0.0	0.346	0.0	0.0
14	VARIABLE			1.607	0.0	0.804	0.0	0.0	0.0		
	1	2.080	L	1.530	0.0	0.0	0.0	0.0	0.299	0.0	0.0
				1.530	0.0	0.765	0.0	0.0	0.0		
	2	2.080	L	1.010	0.0	0.0	0.0	0.0	0.086	0.0	0.0
				1.010	0.0	0.505	0.0	0.0	0.0		
	3	7.390	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
	4	1.640	L	0.955	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.955	0.0	0.478	0.0	0.0	0.0		
	5	1.640	L	1.365	0.0	0.0	0.0	0.0	0.212	0.0	0.0
				1.365	0.0	0.683	0.0	0.0	0.0		
15	VARIABLE										
	1	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
	2	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	3	8.270	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
	4	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	5	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
16	VARIABLE										
	1	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
	2	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	3	8.270	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
	4	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	5	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
17	VARIABLE										
	1	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
	2	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	3	8.270	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
	4	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	5	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		
18	VARIABLE										
	1	1.640	L	1.365	0.0	0.0	0.0	0.0	0.212	0.0	0.0
				1.365	0.0	0.683	0.0	0.0	0.0		
	2	1.640	L	0.955	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.955	0.0	0.478	0.0	0.0	0.0		
	3	7.390	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		

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	4	2.080	L	1.010	0.0	0.0	0.0	0.0	0.086	0.0	0.0
				1.010	0.0	0.505	0.0	0.0	0.0		
	5	2.080	L	1.530	0.0	0.0	0.0	0.0	0.299	0.0	0.0
				1.530	0.0	0.765	0.0	0.0	0.0		
19	VARIABLE										
	1	4.130	L	0.750	0.0	0.0	0.0	0.0	0.035	0.0	0.0
				0.750	0.0	0.375	0.0	0.0	0.0		
	2	1.640	L	0.956	0.0	0.0	0.0	0.0	0.073	0.0	0.0
				0.956	0.0	0.478	0.0	0.0	0.0		
	3	1.640	L	1.367	0.0	0.0	0.0	0.0	0.213	0.0	0.0
				1.367	0.0	0.684	0.0	0.0	0.0		

MEMBER CONSTANTS----------/

CONSTANT	STANDARD VALUE	DOMAIN,	VALUE	MEMBER LIST
E	0.647999E 06	ALL		
G	0.282000E 06	ALL		
DENSITY	0.172800E 01	ALL		
CTE	0.600000E-05	ALL		
BETA	0.0	ALL		
POISSON	0.0	ALL		

********** DESIGN DATA **********

USER DATA SET

PARAMETER DICTIONARY----------/

NAME	TREATMENT	STANDARD	L	W	A	TEMP	TIME

STRUDL DATA SET

PARAMETER DICTIONARY----------/

NAME	TREATMENT	STANDARD	L	W	A	TEMP	TIME
FYLD	STANDARD	5184.00	-2	1			
PE	STANDARD	1.00					
FBLTUP	STANDARD	1.00					
CODE	REQUIRED						
KY	STANDARD	1.00					
KZ	STANDARD	1.00					
CB	STANDARD	1.00					
LY	COMPUTE	QQSTULEN					
LZ	COMPUTE	QQSTULEN					
CMY	STANDARD	0.85					

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CMZ	STANDARD	0.85
UNLCF	COMPUTE	QQSTULEN
VALUES	STANDARD	1.00
TRACE	STANDARD	1.00
PRIDTA	STANDARD	1.00
TBLNAM	STANDARD	STEELWF
MXTRIALS	STANDARD	25.00
SECNDARY	STANDARD	1.00
SDSWAYY	STANDARD	2.00
SDSWAYZ	STANDARD	2.00

USER DATA SET

CONSTRAINT DICTIONARY----------/

NAME	RETRIEVAL

STRUDL DATA SET

CONSTRAINT DICTIONARY----------/

NAME	RETRIEVAL
AX	TABULAR
AY	TABULAR
AZ	TABULAR
IX	TABULAR
IY	TABULAR
IZ	TABULAR
SY	TABULAR
SZ	TABULAR
YD	TABULAR
ZD	TABULAR
FLTK	TABULAR
WBTK	TABULAR
YD/AFL	TABULAR
RY	TABULAR
RZ	TABULAR
COMP	TABULAR
YC	TABULAR
ZC	TABULAR
WEIGHT	TABULAR

********** LOADING DATA **********

LOADING - 1 DEAD LOAD STATUS - ACTIVE

MEMBER AND ELEMENT LOADS----------/

MEMBER/ELEMENT											
1	CONCEN.	LOAD GL FORCE	Y		P	-0.359	L	10.450			
	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000	
	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.006	LA	0.0	LB	0.520	
	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.053	LA	0.520	LB	1.000	
2	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000	
	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.053	LA	0.0	LB	0.500	
	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000	
3	UNIFORM	LOAD GL FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000	

33003408

	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
4	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.440
5	CONCEN.	LOAD	GL	FORCE	Y		P	-0.491	L	3.170		
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
6	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.053	LA	0.500	LB	0.0
7	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.053	LA	0.0	LB	0.500
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.006	LA	0.500	LB	1.000
8	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.133	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.058	LA	0.0	LB	0.140
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.058	LA	0.860	LB	1.000
9	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.093	LA	0.0	LB	1.000
10	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.093	LA	0.0	LB	1.000
11	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.093	LA	0.0	LB	1.000
12	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.093	LA	0.0	LB	1.000
13	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.133	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.058	LA	0.0	LB	0.140
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.058	LA	0.860	LB	1.000
14	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.120	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.062	LA	0.0	LB	0.280
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
15	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.120	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
16	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.120	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
17	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.120	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.780	LB	1.000
18	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.120	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.0	LB	0.220
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.062	LA	0.780	LB	1.000
19	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.139	LA	0.0	LB	1.000
	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-0.048	LA	0.560	LB	1.000

JOINT LOADS----------/ ----------/

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z
1		0.0	-0.015	0.0	0.0	0.0	0.0
8		0.0	-0.409	0.0	0.0	0.0	0.0

JOINT DISPLACEMENTS----------/ ----------/

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS ----------/

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------/ ----------/

33003409

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MEMBER        COMPONENT   DISTANCE      VALUE          COMPONENT   DISTANCE      VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 2              HS-20 #1 LT CANT & PEDESTRIAN                                    STATUS - ACTIVE

MEMBER AND ELEMENT LOADS-------------------------------------------------------------------------------------------/
MEMBER/ELEMENT
1          UNIFORM   LOAD GL FORCE  Y   FR    W     -0.085    LA  0.0      LB    0.600
           CONCEN.   LOAD GL FORCE  Y         P     -1.850     L 12.250
2          CONCEN.   LOAD GL FORCE  Y         P     -5.000     L  1.670

JOINT LOADS-------------------------------------------/ ------------------------------------/
JOINT      STEP    FORCE X            Y            Z      MOMENT X            Y            Z

JOINT DISPLACEMENTS-----------------------------------/ ------------------------------------/
JOINT      STEP    DISP. X            Y            Z      ROT.   X            Y            Z

JOINT FORCE ASSUMPTIONS -------------------------------------------------------------------------------------------/

JOINT      THETA  1         2         3      FORCE X            Y            Z      MOMENT X            Y            Z
NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------------------/    ----------------------------------/

MEMBER        COMPONENT   DISTANCE      VALUE          COMPONENT   DISTANCE      VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 3              HS-20 #2 LT CANT & INT CELL                                      STATUS - ACTIVE

MEMBER AND ELEMENT LOADS-------------------------------------------------------------------------------------------/
MEMBER/ELEMENT
1          CONCEN.   LOAD GL FORCE  Y         P     -1.260     L  3.080
           CONCEN.   LOAD GL FORCE  Y         P     -1.260     L  9.080
3          CONCEN.   LOAD GL FORCE  Y         P     -4.810     L  1.480
           CONCEN.   LOAD GL FORCE  Y         P     -1.960     L  7.480

JOINT LOADS-------------------------------------------/ ------------------------------------/
JOINT      STEP    FORCE X            Y            Z      MOMENT X            Y            Z

JOINT DISPLACEMENTS-----------------------------------/ ------------------------------------/
JOINT      STEP    DISP. X            Y            Z      ROT.   X            Y            Z

JOINT FORCE ASSUMPTIONS -------------------------------------------------------------------------------------------/

JOINT      THETA  1         2         3      FORCE X            Y            Z      MOMENT X            Y            Z
NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------------------/    ----------------------------------/

MEMBER        COMPONENT   DISTANCE      VALUE          COMPONENT   DISTANCE      VALUE
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33003410

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING = 4 HS-20 #3 LT CANT & INT CELL STATUS = ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
1	CONCEN.	LOAD	GL FORCE	Y	P	-1.260	L	3.080
	CONCEN.	LOAD	GL FORCE	Y	P	-1.260	L	9.080
3	CONCEN.	LOAD	GL FORCE	Y	P	-2.810	L	2.970
	CONCEN.	LOAD	GL FORCE	Y	P	-1.990	L	7.970

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 5 HS-20 #4 LT CANT & INT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
1	CONCEN.	LOAD	GL FORCE	Y	P	-1.260	L	3.080
	CONCEN.	LOAD	GL FORCE	Y	P	-1.260	L	9.080
3	CONCEN.	LOAD	GL FORCE	Y	P	-1.990	L	5.870
	CONCEN.	LOAD	GL FORCE	Y	P	-2.810	L	11.870

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003411

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 6 HS-20 #5 LT CANT & INT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
1	CONCEN.	LOAD GL	FORCE	Y	P	-1.260	L	3.080
	CONCEN.	LOAD GL	FORCE	Y	P	-1.260	L	9.080
3	CONCEN.	LOAD GL	FORCE	Y	P	-1.960	L	7.350
	CONCEN.	LOAD GL	FORCE	Y	P	-4.810	L	13.350

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 7 HS-20 #6 EXT CELL & INT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
2	CONCEN.	LOAD GL	FORCE	Y	P	-3.420	L	1.480
	CONCEN.	LOAD GL	FORCE	Y	P	-2.560	L	7.480
4	CONCEN.	LOAD GL	FORCE	Y	P	-2.810	L	2.970
19	CONCEN.	LOAD GL	FORCE	Y	P	-1.990	L	1.550

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003412

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 8 HS-20 #7 EXT CELL & INT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
2	CONCEN.	LOAD GL FORCE	Y	P	-2.550	L	3.240
	CONCEN.	LOAD GL FORCE	Y	P	-2.300	L	9.240
4	CONCEN.	LOAD GL FORCE	Y	P	-2.810	L	2.970
19	CONCEN.	LOAD GL FORCE	Y	P	-1.990	L	1.550

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 9 HS-20 #8 LT CANT & EXT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
1	CONCEN.	LOAD GL FORCE	Y	P	-1.260	L	3.080
	CONCEN.	LOAD GL FORCE	Y	P	-1.260	L	9.080
2	CONCEN.	LOAD GL FORCE	Y	P	-2.540	L	4.450
	CONCEN.	LOAD GL FORCE	Y	P	-2.920	L	10.450

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003413

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 10 HS-20 #9 EXT & INT CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
2	CONCEN.	LOAD GL	FORCE	Y	P	-2.780	L 5.930
	CONCEN.	LOAD GL	FORCE	Y	P	-2.870	L 11.930
3	CONCEN.	LOAD GL	FORCE	Y	P	-4.810	L 1.480
	CONCEN.	LOAD GL	FORCE	Y	P	-1.960	L 7.480

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 11 HS-20 #10 EXT & MID CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
2	CONCEN.	LOAD GL	FORCE	Y	P	-1.720	L 7.420
	CONCEN.	LOAD GL	FORCE	Y	P	-6.130	L 13.420
4	CONCEN.	LOAD GL	FORCE	Y	P	-4.810	L 1.480
19	CONCEN.	LOAD GL	FORCE	Y	P	-1.960	L 0.060

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003414

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 12 HS-20 #11 EXT & MID CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
2	CONCEN.	LOAD GL FORCE	Y	P	-1.720	L	7.420
	CONCEN.	LOAD GL FORCE	Y	P	-6.130	L	13.420
4	CONCEN.	LOAD GL FORCE	Y	P	-2.810	L	2.970
19	CONCEN.	LOAD GL FORCE	Y	P	-1.990	L	1.550

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 13 HS-20 #12 EXT & MID CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
2	CONCEN.	LOAD GL FORCE	Y	P	-1.720	L	7.420
	CONCEN.	LOAD GL FORCE	Y	P	-6.130	L	13.420
4	CONCEN.	LOAD GL FORCE	Y	P	-1.990	L	5.870
19	CONCEN.	LOAD GL FORCE	Y	P	-2.810	L	4.450

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003415

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 14 HS-20 #13 INT & MID CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
3	CONCEN.	LOAD	GL FORCE	Y	P	-1.960	L	7.350
	CONCEN.	LOAD	GL FORCE	Y	P	-4.810	L	13.350
4	CONCEN.	LOAD	GL FORCE	Y	P	-4.810	L	1.480
19	CONCEN.	LOAD	GL FORCE	Y	P	-1.960	L	0.060

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 15 HS-20 #14 INT & MID CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
3	CONCEN.	LOAD	GL FORCE	Y	P	-1.960	L	7.350
	CONCEN.	LOAD	GL FORCE	Y	P	-4.810	L	13.350
4	CONCEN.	LOAD	GL FORCE	Y	P	-2.810	L	2.970
19	CONCEN.	LOAD	GL FORCE	Y	P	-1.990	L	1.550

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

33003416

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 16 HS-20 #15 LT. CANT. SLAB STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
7	CONCEN.	LOAD GL FORCE	Y	P	-1.260	L	7.560
	CONCEN.	LOAD GL FORCE	Y	P	-1.260	L	13.560

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 17 HS-20 #16 RT CANT & EXT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
6	CONCEN.	LOAD GL FORCE	Y	P	-2.180	L	9.390
7	CONCEN.	LOAD GL FORCE	Y	P	-1.470	L	0.560
	CONCEN.	LOAD GL FORCE	Y	P	-1.470	L	7.560
	CONCEN.	LOAD GL FORCE	Y	P	-1.470	L	13.560

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

33003417

LOADING - 18 R R TRANSIT #1 RT CANT & INT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
5	CONCEN.	LOAD GL	FORCE	Y	P	-2.010	L 8.720
	CONCEN.	LOAD GL	FORCE	Y	P	-5.210	L 13.720
7	CONCEN.	LOAD GL	FORCE	Y	P	-1.640	L 5.050
	CONCEN.	LOAD GL	FORCE	Y	P	-1.640	L 10.050

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 19 R R TRANSIT #2 INT & EXT CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
5	CONCEN.	LOAD GL	FORCE	Y	P	-2.010	L 8.720
	CONCEN.	LOAD GL	FORCE	Y	P	-5.210	L 13.720
6	CONCEN.	LOAD GL	FORCE	Y	P	-2.230	L 7.890
	CONCEN.	LOAD GL	FORCE	Y	P	-3.880	L 12.890

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

33003418

LOADING - 20 R R TRANSIT #3 RT CANT & EXT CELL STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
6	CONCEN.	LOAD GL	FORCE	Y	P	-2.570	L 5.890
	CONCEN.	LOAD GL	FORCE	Y	P	-2.550	L 10.890
7	CONCEN.	LOAD GL	FORCE	Y	P	-1.640	L 5.050
	CONCEN.	LOAD GL	FORCE	Y	P	-1.640	L 10.050

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 21 R R TRANSIT #4 EXT & INT CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT							
4	CONCEN.	LOAD GL	FORCE	Y	P	-1.960	L 7.350
6	CONCEN.	LOAD GL	FORCE	Y	P	-2.230	L 7.890
	CONCEN.	LOAD GL	FORCE	Y	P	-3.880	L 12.890
19	CONCEN.	LOAD GL	FORCE	Y	P	-4.810	L 5.930

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 22 R R TRANSIT #5 EXT & INT CELLS STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT								
4	CONCEN.	LOAD GL FORCE	Y	P	-1.960	L	7.350	
6	CONCEN.	LOAD GL FORCE	Y	P	-2.570	L	5.890	
	CONCEN.	LOAD GL FORCE	Y	P	-2.550	L	10.890	
19	CONCEN.	LOAD GL FORCE	Y	P	-4.810	L	5.930	

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 23 HYDROSTATIC PRESSURE 17.42 FT OF DRAFT STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT													
8	LINEAR,	LOAD GL FORCE	X	FR	WA	0.0	LA	0.410	WB	0.870	LB	1.000	
13	LINEAR,	LOAD GL FORCE	X	FR	WA	0.0	LA	0.410	WB	-0.870	LB	1.000	
14	UNIFORM	LOAD GL FORCE	Y	FR	W	1.087	LA	0.0	LB	1.000			
15	UNIFORM	LOAD GL FORCE	Y	FR	W	1.087	LA	0.0	LB	1.000			
16	UNIFORM	LOAD GL FORCE	Y	FR	W	1.087	LA	0.0	LB	1.000			
17	UNIFORM	LOAD GL FORCE	Y	FR	W	1.087	LA	0.0	LB	1.000			
18	UNIFORM	LOAD GL FORCE	Y	FR	W	1.087	LA	0.0	LB	1.000			

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

```
MEMBER        COMPONENT   DISTANCE     VALUE          COMPONENT   DISTANCE     VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 24            WAVE FORCE PLUS HYDROSTATIC PRESSURE                                  STATUS - ACTIVE

MEMBER AND ELEMENT LOADS-------------------------------------------------------------------------------------------------/
MEMBER/ELEMENT
8          LINEAR,   LOAD GL FORCE  X  FR   WA    0.0     LA  0.130   WB    1.279  LB   1.000
13         LINEAR,   LOAD GL FORCE  X  FR   WA    0.0     LA  0.400   WB   -0.870  LB   1.000
14         LINEAR,   LOAD GL FORCE  Y  FR   WA    1.129   LA  0.0     WB    1.121  LB   1.000
15         LINEAR,   LOAD GL FORCE  Y  FR   WA    1.121   LA  0.0     WB    1.112  LB   1.000
16         LINEAR,   LOAD GL FORCE  Y  FR   WA    1.112   LA  0.0     WB    1.104  LB   1.000
17         LINEAR,   LOAD GL FORCE  Y  FR   WA    1.104   LA  0.0     WB    1.095  LB   1.000
18         LINEAR,   LOAD GL FORCE  Y  FR   WA    1.095   LA  0.0     WB    1.087  LB   1.000

JOINT LOADS-----------------------------------------/ ------------------------------------/
JOINT      STEP   FORCE X          Y          Z      MOMENT X          Y          Z

JOINT DISPLACEMENTS---------------------------------/ ------------------------------------/
JOINT      STEP   DISP. X          Y          Z      ROT.   X          Y          Z

JOINT FORCE ASSUMPTIONS ---------------------------------------------------------------------------------------------------/

JOINT      THETA  1        2        3     FORCE X          Y          Z      MOMENT X          Y          Z
NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ---------------------------/  ---------------------------------/

MEMBER        COMPONENT   DISTANCE     VALUE          COMPONENT   DISTANCE     VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 25            WAVE FORCE                                                            STATUS - ACTIVE

        COMBINATION GIVEN -   24        1.000      23        -1.000

LOADING - 26            FLOOD EXTERIOR CELL 17.42 FT OF DRAFT                                 STATUS - ACTIVE

MEMBER AND ELEMENT LOADS-------------------------------------------------------------------------------------------------/
MEMBER/ELEMENT
8          LINEAR,   LOAD GL FORCE  X  FR   WA    0.0     LA  0.400   WB   -0.993  LB   0.960
9          LINEAR,   LOAD GL FORCE  X  FR   WA    0.0     LA  0.400   WB    0.993  LB   0.960
14         UNIFORM   LOAD GL FORCE  Y  FR   W    -1.087   LA  0.0     LB   1.000

JOINT LOADS-----------------------------------------/ ------------------------------------/
JOINT      STEP   FORCE X          Y          Z      MOMENT X          Y          Z

JOINT DISPLACEMENTS---------------------------------/ ------------------------------------/
JOINT      STEP   DISP. X          Y          Z      ROT.   X          Y          Z
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33003431

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 27 FLOOD EXTERIOR CELL FULL DEPTH STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT														
8	LINEAR,	LOAD GL FORCE	X	FR	WA	-0.047	LA	0.040	WB	-1.695	LB	0.960
9	LINEAR,	LOAD GL FORCE	X	FR	WA	0.047	LA	0.040	WB	1.695	LB	0.960
14	UNIFORM	LOAD GL FORCE	Y	FR	W	-1.743	LA	0.0	LB	1.000		

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT	THETA	1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 28 FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT														
9	LINEAR,	LOAD GL FORCE	X	FR	WA	0.0	LA	0.400	WB	-1.017	LB	0.960
10	LINEAR,	LOAD GL FORCE	X	FR	WA	0.0	LA	0.400	WB	1.017	LB	0.960
15	UNIFORM	LOAD GL FORCE	Y	FR	W	-1.040	LA	0.0	LB	1.000		

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

33003432

JOINT FORCE ASSUMPTIONS

JOINT NO	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER NO	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 29 FLOOD FIRST INTERIOR CELL FULL DEPTH STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT														
9	LINEAR,	LOAD	GL	FORCE	X	FR	WA	-0.047	LA	0.040	WB	-1.677	LB	0.960
10	LINEAR,	LOAD	GL	FORCE	X	FR	WA	0.047	LA	0.040	WB	1.677	LB	0.960
15	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-1.724	LA	0.0	LB	1.000		

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT NO	THETA 1	2	3	FORCE X	Y	Z	MOMENT X	Y	Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS

MEMBER NO	COMPONENT	DISTANCE	VALUE	COMPONENT	DISTANCE	VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 30 FLOOD MIDDLE CELL 17.42 FT OF DRAFT STATUS - ACTIVE

MEMBER AND ELEMENT LOADS

MEMBER/ELEMENT														
10	LINEAR,	LOAD	GL	FORCE	X	FR	WA	0.0	LA	0.400	WB	-1.017	LB	0.960
11	LINEAR,	LOAD	GL	FORCE	X	FR	WA	0.0	LA	0.400	WB	1.017	LB	0.960
16	UNIFORM	LOAD	GL	FORCE	Y	FR	W	-1.040	LA	0.0	LB	1.000		

JOINT LOADS

JOINT	STEP	FORCE X	Y	Z	MOMENT X	Y	Z

JOINT DISPLACEMENTS

JOINT	STEP	DISP. X	Y	Z	ROT. X	Y	Z

JOINT FORCE ASSUMPTIONS

JOINT THETA 1 2 3 FORCE X Y Z MOMENT X Y Z
NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------/ ----------/

MEMBER COMPONENT DISTANCE VALUE COMPONENT DISTANCE VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 31 FLOOD MIDDLE CELL FULL DEPTH STATUS - ACTIVE

MEMBER AND ELEMENT LOADS----------/
MEMBER/ELEMENT

10	LINEAR,	LOAD GL	FORCE	X	FR	WA	-0.047	LA	0.040	WB	-1.658	LB	0.960
11	LINEAR,	LOAD GL	FORCE	X	FR	WA	0.047	LA	0.040	WB	1.658	LB	0.960
16	UNIFORM	LOAD GL	FORCE	Y	FR	W	-1.705	LA	0.0	LB	1.000		

JOINT LOADS----------/ ----------/
JOINT STEP FORCE X Y Z MOMENT X Y Z

JOINT DISPLACEMENTS----------/ ----------/
JOINT STEP DISP. X Y Z ROT. X Y Z

JOINT FORCE ASSUMPTIONS ----------/
JOINT THETA 1 2 3 FORCE X Y Z MOMENT X Y Z
NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------/ ----------/

MEMBER COMPONENT DISTANCE VALUE COMPONENT DISTANCE VALUE
NO ASSUMPTIONS GIVEN FOR THIS LOADING

LOADING - 32 TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB STATUS - ACTIVE

MEMBER AND ELEMENT LOADS----------/
MEMBER/ELEMENT

1	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
2	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
3	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
4	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
5	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
6	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
7	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0
19	TEMPERATURE LOAD	LA	0.0	LB	1.000	AXIAL	35.000	BENDING	Y	0.0	Z	0.0

JOINT LOADS----------/ ----------/
JOINT STEP FORCE X Y Z MOMENT X Y Z

JOINT DISPLACEMENTS----------/ ----------/
JOINT STEP DISP. X Y Z ROT. X Y Z

33003434

JOINT FORCE ASSUMPTIONS ----------/

JOINT THETA 1 2 3 FORCE X Y Z MOMENT X Y Z

NO ASSUMPTIONS GIVEN FOR THIS LOADING

MEMBER FORCE ASSUMPTIONS ----------/ ----------/

MEMBER COMPONENT DISTANCE VALUE COMPONENT DISTANCE VALUE

NO ASSUMPTIONS GIVEN FOR THIS LOADING

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*************************************
*  END OF DATA FROM  INTERNAL STORAGE  *
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33003425

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LOADING LIST ALL
STIFFNESS ANALYSIS
OUTPUT DECIMAL 4
LIST FOR LOA REA DISP ALL
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33003426

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***************************
*RESULTS OF LATEST ANALYSES*
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PROBLEM - TRANSV TITLE - PORTION RDWY PONTOON D NEAR WALL 5

ACTIVE UNITS FEET KIP DEG DEGF SEC

ACTIVE STRUCTURE TYPE PLANE FRAME

ACTIVE COORDINATE AXES X Y

LOADING - 1 DEAD LOAD

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	FORCE TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0003	-0.0150				-0.0000
1	2	-0.0646	3.1516				-23.8646
2	2	-0.2466	2.7253				19.4361
2	3	0.1956	-0.1150				1.1095
3	3	-0.1883	0.8647				-0.5437
3	4	0.1403	1.5093				-4.2325
4	4	-0.2045	1.1238				3.9531
4	15	0.1805	0.0627				-0.3458
5	5	-0.1632	1.9582				5.2379
5	6	0.1960	0.9069				0.4922
6	6	-0.2209	-0.1698				-1.1356
6	7	0.3475	2.7775				-20.1683
7	7	-0.0215	3.0072				24.9429
7	8	0.0029	-0.4090				0.0000
8	2	5.8818	0.1933				4.4286
8	9	-10.1829	-0.1933				1.1415
9	3	0.7495	-0.0225				-0.5658
9	10	-3.4028	0.0225				-0.0762
10	4	2.6338	0.0109				0.2794
10	11	-5.2592	-0.0109				0.0292
11	5	3.2020	-0.0149				-0.3528
11	12	-5.7995	0.0149				-0.0636
12	6	0.7287	0.0268				0.6434
12	13	-3.3420	-0.0268				0.1102
13	7	5.7983	-0.2124				-4.7746
13	14	-10.0994	0.2124				-1.3482
14	9	0.2121	0.7542				-1.1415
14	10	-0.2121	1.4391				-4.3961

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15	10	0.1896	1.1767					4.4723
15	11	-0.1896	0.9161					-2.5401
16	11	0.2005	1.0484					2.5109
16	12	-0.2005	1.0444					-2.4813
17	12	0.1856	0.9144					2.5449
17	13	-0.1856	1.1781					-4.4890
18	13	0.2124	1.4376					4.3788
18	14	-0.2124	0.7009					1.3482
19	15	-0.1993	-0.0631					0.3458
19	5	0.1753	1.2496					-4.8850

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.0188	10.9371				0.0000
10	GLOBAL	0.0000	6.0186				-0.0000
11	GLOBAL	0.0000	7.2237				0.0000
12	GLOBAL	0.0000	7.7583				0.0000
13	GLOBAL	-0.0000	5.9577				-0.0000
14	GLOBAL	0.0000	10.8003				-0.0000
15	GLOBAL	-0.0188	0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0150				-0.0000
2	GLOBAL	0.0000	0.0000				-0.0000
3	GLOBAL	-0.0000	-0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	-0.4090				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0216
10	GLOBAL	-0.0000	0.0				0.0103
11	GLOBAL	-0.0000	0.0				-0.0054
12	GLOBAL	-0.0000	0.0				0.0055
13	GLOBAL	-0.0000	0.0				-0.0103
14	GLOBAL	-0.0000	0.0				0.0218
15	GLOBAL	0.0	0.0005				0.0009

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

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JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0007	-0.0325				0.1485
2	GLOBAL	-0.0000	-0.0004				0.0479
3	GLOBAL	-0.0000	-0.0002				-0.0261
4	GLOBAL	-0.0000	-0.0003				0.0130
5	GLOBAL	-0.0000	-0.0003				-0.0155
6	GLOBAL	-0.0000	-0.0002				0.0286
7	GLOBAL	0.0000	-0.0004				-0.0507
8	GLOBAL	-0.0002	-0.0331				-0.1730

LOADING - 2 HS-20 #1 LT CANT & PEDESTRIAN

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0553	2.6949				-17.8262
2	2	-0.2484	5.5875				15.0880
2	3	0.1507	-0.5884				1.9942
3	3	-0.1253	-0.1648				-1.7542
3	4	0.1253	0.1648				-0.6903
4	4	-0.1332	0.0563				0.6084
4	15	0.1332	-0.0563				-0.1908
5	5	-0.0005	-0.0203				-0.2178
5	6	0.0005	0.0203				-0.0838
6	6	-0.0003	0.0061				0.0742
6	7	0.0003	-0.0061				0.0168
7	7	-0.0000	0.0000				-0.0000
7	8	0.0000	-0.0000				0.0000
8	2	8.2867	0.1391				2.7382
8	9	-8.2867	-0.1391				1.2718
9	3	-0.7535	-0.0106				-0.2400
9	10	0.7535	0.0106				-0.0612
10	4	0.2213	0.0035				0.0818
10	11	-0.2213	-0.0035				0.0164
11	5	-0.0794	-0.0012				-0.0291
11	12	0.0794	0.0012				-0.0047
12	6	0.0264	0.0004				0.0096
12	13	-0.0264	-0.0004				0.0003
13	7	-0.0061	-0.0006				-0.0168
13	14	0.0061	0.0006				-0.0005
14	9	0.0085	-0.1153				-1.2718
14	10	-0.0085	0.1153				-0.4398
15	10	-0.0020	0.0464				0.5010
15	11	0.0020	-0.0464				0.1873
16	11	0.0015	-0.0188				-0.2036
16	12	-0.0015	0.0188				-0.0758
17	12	0.0002	0.0073				0.0805
17	13	-0.0002	-0.0073				0.0272

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18	13	0.0006	-0.0018				-0.0275
18	14	-0.0006	0.0018				0.0005
19	15	-0.0027	0.0590				0.1908
19	5	0.0027	-0.0590				0.2470

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.1306	8.1714				0.0000
10	GLOBAL	0.0000	-0.5917				-0.0000
11	GLOBAL	-0.0000	0.1560				0.0000
12	GLOBAL	0.0000	-0.0533				-0.0000
13	GLOBAL	-0.0000	0.0174				0.0000
14	GLOBAL	-0.0000	-0.0043				0.0000
15	GLOBAL	0.1306	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	0.0000				-0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	0.0000	0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	-0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	-0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0060
10	GLOBAL	-0.0000	0.0				0.0029
11	GLOBAL	-0.0000	0.0				-0.0012
12	GLOBAL	-0.0000	0.0				0.0005
13	GLOBAL	-0.0000	0.0				-0.0002
14	GLOBAL	-0.0000	0.0				0.0001
15	GLOBAL	0.0	0.0002				-0.0009

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0004	-0.0188				0.0850
2	GLOBAL	-0.0000	-0.0004				0.0250

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3	GLOBAL	-0.0000	0.0001	-0.0103
4	GLOBAL	-0.0000	-0.0000	0.0036
5	GLOBAL	-0.0000	0.0000	-0.0013
6	GLOBAL	-0.0000	-0.0000	0.0005
7	GLOBAL	-0.0000	0.0000	-0.0002
8	GLOBAL	-0.0000	-0.0001	-0.0002

LOADING - 3 HS-20 #2 LT CANT & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0517	2.5195				-26.4632
2	2	-0.4392	1.2706				18.2628
2	3	0.4392	-1.2706				-0.5968
3	3	-0.4330	4.8904				1.0689
3	4	0.2961	1.8782				-7.1533
4	4	-0.3913	0.5845				6.2287
4	15	0.3913	-0.5845				-1.8968
5	5	-0.0061	-0.2034				-2.1720
5	6	0.0061	0.2034				-0.8468
6	6	-0.0055	0.0628				0.7405
6	7	0.0055	-0.0628				0.1915
7	7	-0.0000	-0.0000				-0.0000
7	8	0.0000	0.0000				0.0000
8	2	3.7990	0.4142				8.2003
8	9	-3.7990	-0.4142				3.7382
9	3	3.6192	-0.0802				-1.6657
9	10	-3.6192	0.0802				-0.6226
10	4	2.4641	0.0454				0.9246
10	11	-2.4641	-0.0454				0.3556
11	5	-0.7957	-0.0156				-0.3230
11	12	0.7957	0.0156				-0.1137
12	6	0.2659	0.0047				0.1062
12	13	-0.2659	-0.0047				0.0267
13	7	-0.0624	-0.0085				-0.1915
13	14	0.0624	0.0085				-0.0535
14	9	0.0543	-0.3222				-3.7382
14	10	-0.0543	0.3222				-1.0435
15	10	-0.0259	0.1443				1.6661
15	11	0.0259	-0.1443				0.4737
16	11	0.0194	-0.0732				-0.8293
16	12	-0.0194	0.0732				-0.2565
17	12	0.0038	0.0314				0.3702
17	13	-0.0038	-0.0314				0.0959
18	13	0.0085	-0.0047				-0.1227
18	14	-0.0085	0.0047				0.0535
19	15	-0.0314	0.5918				1.8968
19	5	0.0314	-0.5918				2.4949

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RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.3600	3.4767				0.0000
10	GLOBAL	0.0000	4.0857				-0.0000
11	GLOBAL	-0.0000	2.2466				0.0000
12	GLOBAL	0.0000	-0.6911				-0.0000
13	GLOBAL	0.0000	0.2298				0.0000
14	GLOBAL	-0.0000	-0.0578				0.0000
15	GLOBAL	0.3600	-0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	0.0000	0.0				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0189
10	GLOBAL	-0.0000	0.0				0.0105
11	GLOBAL	-0.0000	0.0				-0.0051
12	GLOBAL	-0.0000	0.0				0.0024
13	GLOBAL	-0.0000	0.0				-0.0012
14	GLOBAL	-0.0000	0.0				0.0010
15	GLOBAL	0.0	0.0020				-0.0092

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0010	-0.0449				0.2000
2	GLOBAL	-0.0001	-0.0002				0.0754
3	GLOBAL	-0.0001	-0.0003				-0.0669
4	GLOBAL	-0.0000	-0.0002				0.0366
5	GLOBAL	-0.0000	0.0001				-0.0128
6	GLOBAL	-0.0000	-0.0000				0.0046
7	GLOBAL	-0.0000	0.0000				-0.0020
8	GLOBAL	-0.0000	-0.0005				-0.0020

33003432

LOADING - 4 HS-20 #3 LT CANT & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0517	2.5195				-26.4632
2	2	-0.4448	1.2442				18.1407
2	3	0.4448	-1.2442				0.3273
3	3	-0.3949	2.7486				1.3582
3	4	0.2979	2.0504				-7.5708
4	4	-0.4001	0.6184				6.5899
4	15	0.4001	-0.6184				-2.0066
5	5	-0.0065	-0.2150				-2.2958
5	6	0.0065	0.2150				-0.8953
6	6	-0.0058	0.0664				0.7828
6	7	0.0058	-0.0664				0.2029
7	7	-0.0000	-0.0000				-0.0000
7	8	0.0000	0.0000				0.0000
8	2	3.7727	0.4204				8.3224
8	9	-3.7727	-0.4204				3.7930
9	3	1.5033	-0.0811				-1.6854
9	10	-1.5033	0.0811				-0.6289
10	4	2.6703	0.0482				0.9809
10	11	-2.6703	-0.0482				0.3808
11	5	-0.8415	-0.0166				-0.3421
11	12	0.8415	0.0166				-0.1217
12	6	0.2811	0.0050				0.1125
12	13	-0.2811	-0.0050				0.0288
13	7	-0.0660	-0.0090				-0.2029
13	14	0.0660	0.0090				-0.0577
14	9	0.0535	-0.3268				-3.7930
14	10	-0.0535	0.3268				-1.0561
15	10	-0.0276	0.1452				1.6850
15	11	0.0276	-0.1452				0.4686
16	11	0.0206	-0.0748				-0.8494
16	12	-0.0206	0.0748				-0.2598
17	12	0.0040	0.0323				0.3815
17	13	-0.0040	-0.0323				0.0974
18	13	0.0090	-0.0046				-0.1262
18	14	-0.0090	0.0046				0.0577
19	15	-0.0333	0.6258				2.0066
19	5	0.0333	-0.6258				2.6380

RESULTANT JOINT LOADS - SUPPORTS

JOINT	FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT

33003433

9	GLOBAL	-0.3669	3.4459					0.0000
10	GLOBAL	0.0000	1.9753					-0.0000
11	GLOBAL	-0.0000	2.4503					0.0000
12	GLOBAL	0.0000	-0.7344					-0.0000
13	GLOBAL	-0.0000	0.2442					0.0000
14	GLOBAL	-0.0000	-0.0614					0.0000
15	GLOBAL	0.3669	-0.0000					-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	0.0000	0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0192
10	GLOBAL	-0.0000	0.0				0.0107
11	GLOBAL	-0.0000	0.0				-0.0053
12	GLOBAL	-0.0000	0.0				0.0025
13	GLOBAL	-0.0000	0.0				-0.0013
14	GLOBAL	-0.0000	0.0				0.0010
15	GLOBAL	0.0	0.0021				-0.0097

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0010	-0.0452				0.2011
2	GLOBAL	-0.0001	-0.0002				0.0766
3	GLOBAL	-0.0001	-0.0001				-0.0677
4	GLOBAL	-0.0001	-0.0002				0.0388
5	GLOBAL	-0.0000	0.0001				-0.0135
6	GLOBAL	-0.0000	-0.0000				0.0049
7	GLOBAL	-0.0000	0.0000				-0.0021
8	GLOBAL	-0.0000	-0.0006				-0.0021

LOADING - 5 HS-20 #4 LT CANT & INT CELL

3300343A

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0517	2.5195				-26.4632
2	2	-0.4322	1.3401				18.4290
2	3	0.4322	-1.3401				1.4612
3	3	-0.3587	1.1851				0.0310
3	4	0.2616	3.6140				-8.6103
4	4	-0.4053	0.7000				7.4751
4	15	0.4053	-0.7000				-2.2873
5	5	-0.0074	-0.2413				-2.5759
5	6	0.0074	0.2413				-1.0054
6	6	-0.0068	0.0746				0.8783
6	7	0.0068	-0.0746				0.2298
7	7	0.0000	-0.0000				-0.0000
7	8	-0.0000	0.0000				0.0000
8	2	3.8682	0.4059				8.0341
8	9	-3.8682	-0.4059				3.6639
9	3	-0.1562	-0.0713				-1.4922
9	10	0.1562	0.0713				-0.5415
10	4	4.3160	0.0564				1.1352
10	11	-4.3160	-0.0564				0.4569
11	5	-0.9494	-0.0190				-0.3869
11	12	0.9494	0.0190				-0.1427
12	6	0.3156	0.0057				0.1271
12	13	-0.3156	-0.0057				0.0344
13	7	-0.0742	-0.0104				-0.2298
13	14	0.0742	0.0104				-0.0692
14	9	0.0385	-0.3164				-3.6639
14	10	-0.0385	0.3164				-1.0314
15	10	-0.0328	0.1322				1.5729
15	11	0.0328	-0.1322				0.3880
16	11	0.0236	-0.0736				-0.8450
16	12	-0.0236	0.0736				-0.2465
17	12	0.0046	0.0325				0.3892
17	13	-0.0046	-0.0325				0.0936
18	13	0.0104	-0.0040				-0.1280
18	14	-0.0104	0.0040				0.0692
19	15	-0.0379	0.7074				2.2873
19	5	0.0379	-0.7074				2.9627

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	-0.3674	3.5519				0.0000
10	GLOBAL	0.0000	0.2924				-0.0000
11	GLOBAL	-0.0000	4.1101				0.0000
12	GLOBAL	-0.0000	-0.8433				-0.0000
13	GLOBAL	0.0000	0.2791				0.0000
14	GLOBAL	-0.0000	-0.0702				0.0

33003435

15	GLOBAL	0.3674	0.0000					-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	-0.0000	0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	-0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	-0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0185
10	GLOBAL	-0.0000	0.0				0.0102
11	GLOBAL	-0.0000	0.0				-0.0053
12	GLOBAL	-0.0000	0.0				0.0025
13	GLOBAL	-0.0000	0.0				-0.0013
14	GLOBAL	-0.0000	0.0				0.0011
15	GLOBAL	0.0	0.0023				-0.0106

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0010	-0.0444				0.1985
2	GLOBAL	-0.0001	-0.0002				0.0739
3	GLOBAL	-0.0001	0.0000				-0.0603
4	GLOBAL	-0.0001	-0.0003				0.0445
5	GLOBAL	-0.0000	0.0001				-0.0152
6	GLOBAL	-0.0000	-0.0000				0.0054
7	GLOBAL	-0.0000	0.0000				-0.0023
8	GLOBAL	-0.0000	-0.0006				-0.0023

LOADING - 6 HS-20 #5 LT CANT & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE	MOMENT

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		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0517	2.5195				-26.4632
2	2	-0.4271	1.3773				18.5450
2	3	0.4271	-1.3773				1.8979
3	3	-0.3497	0.8493				-0.4774
3	4	0.2128	5.9194				-8.7214
4	4	-0.4052	0.7035				7.5490
4	15	0.4052	-0.7035				-2.3350
5	5	-0.0073	-0.2395				-2.5571
5	6	0.0073	0.2395				-0.9978
6	6	-0.0067	0.0741				0.8717
6	7	0.0067	-0.0741				0.2280
7	7	0.0000	-0.0000				-0.0000
7	8	-0.0000	0.0000				0.0000
8	2	3.9054	0.4001				7.9182
8	9	-3.9054	-0.4001				3.6127
9	3	-0.5292	-0.0676				-1.4205
9	10	0.5292	0.0676				-0.5095
10	4	6.6254	0.0584				1.1724
10	11	-6.6254	-0.0584				0.4760
11	5	-0.9512	-0.0188				-0.3841
11	12	0.9512	0.0188				-0.1416
12	6	0.3133	0.0057				0.1262
12	13	-0.3133	-0.0057				0.0342
13	7	-0.0737	-0.0103				-0.2280
13	14	0.0737	0.0103				-0.0685
14	9	0.0327	-0.3124				-3.6127
14	10	-0.0327	0.3124				-1.0231
15	10	-0.0350	0.1279				1.5325
15	11	0.0350	-0.1279				0.3645
16	11	0.0234	-0.0732				-0.8404
16	12	-0.0234	0.0732				-0.2454
17	12	0.0046	0.0324				0.3870
17	13	-0.0046	-0.0324				0.0932
18	13	0.0103	-0.0040				-0.1273
18	14	-0.0103	0.0040				0.0685
19	15	-0.0378	0.7109				2.3350
19	5	0.0378	-0.7109				2.9411

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.3674	3.5930				0.0000
10	GLOBAL	0.0000	-0.0889				-0.0000
11	GLOBAL	-0.0000	6.4243				0.0000
12	GLOBAL	-0.0000	-0.8456				-0.0000
13	GLOBAL	-0.0000	0.2769				0.0000
14	GLOBAL	0.0000	-0.0697				0.0000
15	GLOBAL	0.3674	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

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JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	-0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0182
10	GLOBAL	-0.0000	0.0				0.0100
11	GLOBAL	0.0000	0.0				-0.0053
12	GLOBAL	-0.0000	0.0				0.0025
13	GLOBAL	-0.0000	0.0				-0.0013
14	GLOBAL	-0.0000	0.0				0.0011
15	GLOBAL	0.0	0.0023				-0.0100

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0010	-0.0441				0.1974
2	GLOBAL	-0.0001	-0.0002				0.0728
3	GLOBAL	-0.0001	0.0000				-0.0575
4	GLOBAL	-0.0001	-0.0005				0.0459
5	GLOBAL	-0.0000	0.0001				-0.0151
6	GLOBAL	-0.0000	-0.0000				0.0054
7	GLOBAL	-0.0000	0.0000				-0.0023
8	GLOBAL	-0.0000	-0.0006				-0.0023

LOADING - 7 HS-20 #6 EXT CELL & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.1238	4.3655				4.1654
2	3	-0.2407	1.6133				-3.9059

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3	3	0.1601	-0.0474					2.8753
3	4	-0.1601	0.0474					-3.5777
4	4	0.1566	2.9341					4.7040
4	15	-0.2135	-0.1247					4.5642
5	5	0.0163	0.5035					5.3731
5	6	-0.0163	-0.5035					2.0995
6	6	0.0163	-0.1563					-1.8232
6	7	-0.0163	0.1563					-0.4971
7	7	-0.0000	0.0000					0.0000
7	8	0.0000	-0.0000					-0.0000
8	2	4.3623	-0.2091					-4.1653
8	9	-4.3623	0.2091					-1.8615
9	3	1.5671	0.0500					1.0306
9	10	-1.5671	-0.0500					0.3953
10	4	2.9809	-0.0568					-1.1263
10	11	-2.9809	0.0568					-0.4779
11	5	2.3733	0.0434					0.8436
11	12	-2.3733	-0.0434					0.3682
12	6	-0.6590	-0.0133					-0.2763
12	13	0.6590	0.0133					-0.0981
13	7	0.1553	0.0238					0.4971
13	14	-0.1553	-0.0238					0.1898
14	9	-0.0471	0.1528					1.8615
14	10	0.0471	-0.1528					0.4066
15	10	0.0029	-0.0561					-0.8019
15	11	-0.0029	0.0561					-0.0302
16	11	-0.0539	0.0338					0.5081
16	12	0.0539	-0.0338					-0.0075
17	12	-0.0105	-0.0252					-0.3607
17	13	0.0105	0.0252					-0.0136
18	13	-0.0238	-0.0053					0.1117
18	14	0.0238	0.0053					-0.1898
19	15	0.0515	0.1214					-4.5642
19	5	-0.0917	1.8682					-6.2167

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1621	4.5151				-0.0000
10	GLOBAL	-0.0000	1.3582				0.0000
11	GLOBAL	0.0	3.0708				-0.0000
12	GLOBAL	-0.0000	2.3143				0.0000
13	GLOBAL	-0.0000	-0.6390				0.0000
14	GLOBAL	-0.0000	0.1606				-0.0000
15	GLOBAL	-0.1621	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000

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4	GLOBAL	-0.0000	0.0000					-0.0000
5	GLOBAL	-0.0000	0.0000					-0.0000
6	GLOBAL	-0.0000	0.0000					0.0000
7	GLOBAL	0.0000	-0.0000					-0.0000
8	GLOBAL	0.0000	-0.0000					-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0100
10	GLOBAL	0.0000	0.0				-0.0061
11	GLOBAL	0.0000	0.0				0.0040
12	GLOBAL	0.0000	0.0				-0.0027
13	GLOBAL	0.0000	0.0				0.0018
14	GLOBAL	0.0000	0.0				-0.0018
15	GLOBAL	0.0	-0.0041				0.0046

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0003	0.0110				-0.0387
2	GLOBAL	0.0001	-0.0002				-0.0387
3	GLOBAL	0.0001	-0.0001				0.0410
4	GLOBAL	0.0001	-0.0002				-0.0436
5	GLOBAL	0.0001	-0.0002				0.0318
6	GLOBAL	0.0001	0.0000				-0.0112
7	GLOBAL	0.0001	-0.0000				0.0047
8	GLOBAL	0.0001	0.0013				0.0047

LOADING - 8 HS-20 #7 EXT CELL & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.1538	2.8376				4.1720
2	3	-0.2486	2.0115				-4.5197
3	3	0.1549	0.0022				3.4048
3	4	-0.1549	-0.0022				-3.3717
4	4	0.1541	2.9172				4.5251
4	15	-0.2110	-0.1078				4.6178
5	5	0.0165	0.5093				5.4349
5	6	-0.0165	-0.5093				2.1237

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6	6	0.0165	-0.1581					-1.8442
6	7	-0.0165	0.1581					-0.5028
7	7	0.0000	0.0000					0.0000
7	8	-0.0000	-0.0000					-0.0000
8	2	2.8340	-0.2093					-4.1719
8	9	-2.8340	0.2093					-1.8589
9	3	2.0151	0.0543					1.1149
9	10	-2.0151	-0.0543					0.4346
10	4	2.9144	-0.0582					-1.1534
10	11	-2.9144	0.0582					-0.4896
11	5	2.3960	0.0439					0.8531
11	12	-2.3960	-0.0439					0.3720
12	6	-0.6665	-0.0135					-0.2795
12	13	0.6665	0.0135					-0.0991
13	7	0.1571	0.0241					0.5028
13	14	-0.1571	-0.0241					0.1918
14	9	-0.0506	0.1513					1.8589
14	10	0.0506	-0.1513					0.3865
15	10	0.0037	-0.0575					-0.8211
15	11	-0.0037	0.0575					-0.0319
16	11	-0.0545	0.0349					0.5216
16	12	0.0545	-0.0349					-0.0044
17	12	-0.0106	-0.0258					-0.3676
17	13	0.0106	0.0258					-0.0149
18	13	-0.0241	-0.0052					0.1140
18	14	0.0241	0.0052					-0.1918
19	15	0.0524	0.1046					-4.6178
19	5	-0.0926	1.8850					-6.2880

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1587	2.9853				-0.0000
10	GLOBAL	-0.0000	1.8062				0.0000
11	GLOBAL	0.0000	3.0068				0.0000
12	GLOBAL	-0.0000	2.3353				0.0000
13	GLOBAL	0.0000	-0.6460				0.0000
14	GLOBAL	-0.0000	0.1623				0.0
15	GLOBAL	-0.1587	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	-0.0000	-0.0000				-0.0000

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RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0101
10	GLOBAL	0.0000	0.0				-0.0062
11	GLOBAL	0.0000	0.0				0.0041
12	GLOBAL	0.0000	0.0				-0.0028
13	GLOBAL	0.0000	0.0				0.0018
14	GLOBAL	0.0000	0.0				-0.0018
15	GLOBAL	0.0	-0.0041				0.0049

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0003	0.0111				-0.0389
2	GLOBAL	0.0001	-0.0001				-0.0389
3	GLOBAL	0.0001	-0.0002				0.0442
4	GLOBAL	0.0001	-0.0002				-0.0446
5	GLOBAL	0.0001	-0.0002				0.0321
6	GLOBAL	0.0001	0.0000				-0.0113
7	GLOBAL	0.0001	-0.0000				0.0048
8	GLOBAL	0.0001	0.0013				0.0048

LOADING - 9 HS-20 #8 LT CANT & EXT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	0.0000				-0.0000
1	2	-0.0517	2.5195				-26.4632
2	2	-0.2144	4.1263				23.8539
2	3	0.1077	1.3326				-1.8248
3	3	-0.1527	0.1452				1.5463
3	4	0.1527	-0.1452				0.6067
4	4	-0.1436	-0.0500				-0.5178
4	15	0.1436	0.0500				0.1472
5	5	0.0007	0.0162				0.1715
5	6	-0.0007	-0.0162				0.0685
6	6	0.0008	-0.0052				-0.0585
6	7	-0.0008	0.0052				-0.0186
7	7	0.0000	0.0000				0.0000
7	8	-0.0000	-0.0000				-0.0000
8	2	6.6497	0.1337				2.6092
8	9	-6.6497	-0.1337				1.2453

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9	3	1.4785	0.0160				0.2785
9	10	-1.4785	-0.0160				0.1788
10	4	-0.1953	-0.0052				-0.0889
10	11	0.1953	0.0052				-0.0568
11	5	0.0633	0.0018				0.0303
11	12	-0.0633	-0.0018				0.0190
12	6	-0.0213	-0.0006				-0.0100
12	13	0.0213	0.0006				-0.0058
13	7	0.0051	0.0010				0.0186
13	14	-0.0051	-0.0010				0.0115
14	9	-0.0131	-0.1208				-1.2453
14	10	0.0131	0.1208				-0.5468
15	10	0.0029	0.0364				0.3680
15	11	-0.0029	-0.0364				0.1716
16	11	-0.0022	-0.0114				-0.1148
16	12	0.0022	0.0114				-0.0547
17	12	-0.0005	0.0037				0.0357
17	13	0.0005	-0.0037				0.0187
18	13	-0.0010	-0.0016				-0.0130
18	14	0.0010	0.0016				-0.0115
19	15	0.0032	-0.0470				-0.1472
19	5	-0.0032	0.0470				-0.2018

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.1469	6.5290				0.0000
10	GLOBAL	0.0000	1.6356				-0.0000
11	GLOBAL	0.0000	-0.2431				-0.0000
12	GLOBAL	-0.0000	0.0784				-0.0000
13	GLOBAL	-0.0000	-0.0266				0.0000
14	GLOBAL	0.0000	0.0068				0.0000
15	GLOBAL	0.1469	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	-0.0000	0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				0.0000
5	GLOBAL	-0.0000	-0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	-0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.

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9	GLOBAL	0.0	0.0					-0.0053
10	GLOBAL	0.0000	0.0					0.0020
11	GLOBAL	0.0000	0.0					-0.0006
12	GLOBAL	0.0000	0.0					0.0002
13	GLOBAL	0.0000	0.0					-0.0000
14	GLOBAL	0.0000	0.0					-0.0000
15	GLOBAL	0.0	-0.0002					0.0008

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0006	-0.0300				0.1481
2	GLOBAL	-0.0000	-0.0003				0.0235
3	GLOBAL	-0.0000	-0.0001				0.0094
4	GLOBAL	0.0000	0.0000				-0.0030
5	GLOBAL	0.0000	-0.0000				0.0010
6	GLOBAL	0.0000	0.0000				-0.0004
7	GLOBAL	0.0000	-0.0000				0.0001
8	GLOBAL	0.0000	0.0000				0.0001

LOADING - 10 HS-20 #9 EXT & INT CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	-0.0000				-0.0000
1	2	-0.0000	0.0000				-0.0000
2	2	0.1049	1.5074				2.6296
2	3	-0.2153	4.1415				-13.3862
3	3	0.0080	6.0367				13.2730
3	4	-0.1449	0.7319				-2.3537
4	4	0.1085	0.1919				2.0258
4	15	-0.1085	-0.1919				-0.6035
5	5	-0.0023	-0.0649				-0.6901
5	6	0.0023	0.0649				-0.2724
6	6	-0.0025	0.0205				0.2355
6	7	0.0025	-0.0205				0.0682
7	7	0.0000	-0.0000				-0.0000
7	8	-0.0000	0.0000				0.0000
8	2	1.5051	-0.1343				-2.6296
8	9	-1.5051	0.1343				-1.2410
9	3	10.1802	0.0042				0.1132
9	10	-10.1802	-0.0042				0.0072
10	4	0.9243	0.0177				0.3279
10	11	-0.9243	-0.0177				0.1725
11	5	-0.2546	-0.0061				-0.1126
11	12	0.2546	0.0061				-0.0568

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12	6	0.0852	0.0019					0.0369
12	13	-0.0852	-0.0019					0.0159
13	7	-0.0203	-0.0035					-0.0682
13	14	0.0203	0.0035					-0.0321
14	9	-0.0143	0.1165					1.2410
14	10	0.0143	-0.1165					0.4883
15	10	-0.0101	-0.0522					-0.4954
15	11	0.0101	0.0522					-0.2786
16	11	0.0077	0.0120					0.1061
16	12	-0.0077	-0.0120					0.0723
17	12	0.0016	-0.0026					-0.0155
17	13	-0.0016	0.0026					-0.0234
18	13	0.0035	0.0027					0.0076
18	14	-0.0035	-0.0027					0.0321
19	15	-0.0115	0.1895					0.6035
19	5	0.0115	-0.1895					0.8027

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1200	1.6216				-0.0000
10	GLOBAL	-0.0000	10.0115				0.0000
11	GLOBAL	0.0000	0.9886				-0.0000
12	GLOBAL	-0.0000	-0.2692				0.0000
13	GLOBAL	-0.0000	0.0905				-0.0000
14	GLOBAL	0.0000	-0.0230				-0.0000
15	GLOBAL	-0.1200	-0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	-0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	-0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0056
10	GLOBAL	0.0000	0.0				-0.0024
11	GLOBAL	0.0000	0.0				0.0004
12	GLOBAL	0.0000	0.0				0.0000
13	GLOBAL	0.0000	0.0				-0.0001

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14	GLOBAL	0.0000	0.0					0.0002
15	GLOBAL	0.0	0.0006					-0.0029

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0001	0.0068				-0.0238
2	GLOBAL	-0.0000	-0.0001				-0.0238
3	GLOBAL	-0.0000	-0.0008				0.0055
4	GLOBAL	-0.0000	-0.0001				0.0119
5	GLOBAL	-0.0000	0.0000				-0.0041
6	GLOBAL	-0.0000	-0.0000				0.0014
7	GLOBAL	-0.0000	0.0000				-0.0006
8	GLOBAL	-0.0000	-0.0002				-0.0006

LOADING - 11 HS-20 #10 EXT & MID CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	0.0000				0.0000
1	2	0.0000	-0.0000				0.0000
2	2	0.1550	1.3349				3.6243
2	3	-0.3083	6.5136				-5.2961
3	3	0.1180	0.0502				4.0375
3	4	-0.1180	-0.0502				-3.2925
4	4	0.0747	5.2150				4.5033
4	15	-0.1721	-0.4060				5.6233
5	5	0.0154	0.4709				5.0227
5	6	-0.0154	-0.4709				1.9664
6	6	0.0153	-0.1465				-1.7087
6	7	-0.0153	0.1465				-0.4667
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	1.3316	-0.1810				-3.6243
8	9	-1.3316	0.1810				-1.5924
9	3	6.5662	0.0621				1.2586
9	10	-6.5662	-0.0621				0.5120
10	4	5.1646	-0.0613				-1.2108
10	11	-5.1646	0.0613				-0.5200
11	5	2.0286	0.0403				0.7858
11	12	-2.0286	-0.0403				0.3410
12	6	-0.6167	-0.0124				-0.2578
12	13	0.6167	0.0124				-0.0903
13	7	0.1456	0.0224				0.4667
13	14	-0.1456	-0.0224				0.1778
14	9	-0.0511	0.1243				1.5924
14	10	0.0511	-0.1243				0.2527

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15	10	0.0110	-0.0518					-0.7647
15	11	-0.0110	0.0518					-0.0036
16	11	-0.0503	0.0362					0.5236
16	12	0.0503	-0.0362					0.0132
17	12	-0.0100	-0.0252					-0.3543
17	13	0.0100	0.0252					-0.0192
18	13	-0.0224	-0.0046					0.1095
18	14	0.0224	0.0046					-0.1778
19	15	0.0422	0.4034					-5.6233
19	5	-0.0818	1.5562					-5.8084

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1299	1.4559				-0.0000
10	GLOBAL	-0.0000	6.3901				0.0000
11	GLOBAL	0.0000	5.2526				-0.0000
12	GLOBAL	-0.0000	1.9672				0.0000
13	GLOBAL	0.0000	-0.5961				0.0000
14	GLOBAL	-0.0000	0.1502				-0.0000
15	GLOBAL	-0.1299	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	0.0000				0.0000
2	GLOBAL	0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0090
10	GLOBAL	0.0000	0.0				-0.0060
11	GLOBAL	0.0000	0.0				0.0040
12	GLOBAL	0.0000	0.0				-0.0027
13	GLOBAL	0.0000	0.0				0.0017
14	GLOBAL	0.0000	0.0				-0.0017
15	GLOBAL	0.0	-0.0041				0.0102

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

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JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0003	0.0098				-0.0340
2	GLOBAL	0.0001	-0.0001				-0.0340
3	GLOBAL	0.0001	-0.0005				0.0494
4	GLOBAL	0.0001	-0.0004				-0.0467
5	GLOBAL	0.0001	-0.0001				0.0296
6	GLOBAL	0.0001	0.0000				-0.0105
7	GLOBAL	0.0001	-0.0000				0.0044
8	GLOBAL	0.0001	0.0012				0.0044

LOADING - 12 HS-20 #11 EXT & MID CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.1552	1.3366				3.6301
2	3	-0.3086	6.5118				-5.2756
3	3	0.1180	0.0532				4.0138
3	4	-0.1180	-0.0532				-3.2245
4	4	0.1197	2.9051				4.3988
4	15	-0.1765	-0.0956				4.6540
5	5	0.0166	0.5132				5.4766
5	6	-0.0166	-0.5132				2.1402
6	6	0.0166	-0.1593				-1.8584
6	7	-0.0166	0.1593				-0.5070
7	7	0.0000	0.0000				0.0000
7	8	-0.0000	-0.0000				-0.0000
8	2	1.3334	-0.1813				-3.6301
8	9	-1.3334	0.1813				-1.5950
9	3	6.5675	0.0622				1.2618
9	10	-6.5675	-0.0622				0.5134
10	4	2.8512	-0.0594				-1.1743
10	11	-2.8512	0.0594				-0.5016
11	5	2.4113	0.0443				0.8601
11	12	-2.4113	-0.0443				0.3759
12	6	-0.6717	-0.0136				-0.2818
12	13	0.6717	0.0136				-0.1002
13	7	0.1583	0.0243				0.5070
13	14	-0.1583	-0.0243				0.1940
14	9	-0.0578	0.1245				1.5950
14	10	0.0578	-0.1245				0.2532
15	10	0.0044	-0.0520				-0.7666
15	11	-0.0044	0.0520				-0.0047
16	11	-0.0550	0.0333				0.5064
16	12	0.0550	-0.0333				-0.0124
17	12	-0.0107	-0.0253				-0.3635
17	13	0.0107	0.0253				-0.0122

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18	13	-0.0243	-0.0055				0.1124
18	14	0.0243	0.0055				-0.1940
19	15	0.0531	0.0931				-4.6540
19	5	-0.0933	1.8965				-6.3367

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1235	1.4579				-0.0000
10	GLOBAL	-0.0000	6.3909				0.0000
11	GLOBAL	0.0000	2.9366				0.0
12	GLOBAL	-0.0000	2.3527				0.0000
13	GLOBAL	-0.0000	-0.6519				0.0000
14	GLOBAL	0.0	0.1638				0.0
15	GLOBAL	-0.1235	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	-0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0090
10	GLOBAL	0.0000	0.0				-0.0060
11	GLOBAL	0.0000	0.0				0.0040
12	GLOBAL	0.0000	0.0				-0.0028
13	GLOBAL	0.0000	0.0				0.0018
14	GLOBAL	0.0000	0.0				-0.0018
15	GLOBAL	0.0	-0.0042				0.0051

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0003	0.0098				-0.0340
2	GLOBAL	0.0001	-0.0001				-0.0340

33003449

3	GLOBAL	0.0001	-0.0005				0.0496
4	GLOBAL	0.0001	-0.0002				-0.0454
5	GLOBAL	0.0001	-0.0002				0.0324
6	GLOBAL	0.0001	0.0000				-0.0114
7	GLOBAL	0.0001	-0.0000				0.0048
8	GLOBAL	0.0001	0.0013				0.0048

LOADING - 13 HS-20 #12 EXT & MID CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.1523	1.3152				3.5623
2	3	-0.3057	6.5333				-5.5256
3	3	0.1152	0.1268				4.3032
3	4	-0.1152	-0.1268				-2.4221
4	4	0.1393	1.5086				3.4569
4	15	-0.1795	0.4810				4.6571
5	5	0.0187	0.5866				6.2765
5	6	-0.0187	-0.5866				2.4292
6	6	0.0188	-0.1806				-2.1072
6	7	-0.0188	0.1806				-0.5736
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	1.3120	-0.1780				-3.5622
8	9	-1.3120	0.1780				-1.5668
9	3	6.6625	0.0603				1.2224
9	10	-6.6625	-0.0603				0.4969
10	4	1.3810	-0.0521				-1.0349
10	11	-1.3810	0.0521				-0.4348
11	5	3.8813	0.0517				1.0003
11	12	-3.8813	-0.0517				0.4428
12	6	-0.7662	-0.0156				-0.3221
12	13	0.7662	0.0156				-0.1173
13	7	0.1794	0.0276				0.5736
13	14	-0.1794	-0.0276				0.2210
14	9	-0.0718	0.1228				1.5668
14	10	0.0718	-0.1228				0.2556
15	10	-0.0115	-0.0517				-0.7525
15	11	0.0115	0.0517				-0.0138
16	11	-0.0636	0.0255				0.4486
16	12	0.0636	-0.0255				-0.0702
17	12	-0.0119	-0.0250				-0.3726
17	13	0.0119	0.0250				0.0018
18	13	-0.0276	-0.0071				0.1155
18	14	0.0276	0.0071				-0.2210
19	15	0.0734	-0.4831				-4.6571
19	5	-0.1302	3.2926				-7.2768

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RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	0.1062	1.4348				-0.0000
10	GLOBAL	-0.0000	6.4880				0.0000
11	GLOBAL	0.0000	1.4582				-0.0000
12	GLOBAL	-0.0000	3.8308				0.0000
13	GLOBAL	-0.0000	-0.7483				0.0000
14	GLOBAL	-0.0000	0.1865				0.0
15	GLOBAL	-0.1062	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
9	GLOBAL	0.0	0.0				0.0088
10	GLOBAL	0.0000	0.0				-0.0058
11	GLOBAL	0.0000	0.0				0.0039
12	GLOBAL	0.0000	0.0				-0.0029
13	GLOBAL	0.0000	0.0				0.0020
14	GLOBAL	0.0000	0.0				-0.0020
15	GLOBAL	0.0	-0.0042				0.0009

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
1	GLOBAL	0.0003	0.0096				-0.0334
2	GLOBAL	0.0001	-0.0001				-0.0334
3	GLOBAL	0.0001	-0.0005				0.0480
4	GLOBAL	0.0001	-0.0001				-0.0402
5	GLOBAL	0.0001	-0.0003				0.0376
6	GLOBAL	0.0001	0.0001				-0.0130
7	GLOBAL	0.0001	-0.0000				0.0055
8	GLOBAL	0.0001	0.0015				0.0055

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LOADING - 14 HS-20 #13 INT & MID CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0295	-0.2056				-0.6648
2	3	0.0295	0.2056				-2.3867
3	3	-0.0312	0.8307				2.7641
3	4	-0.1057	-5.9379				-12.2376
4	4	-0.1347	5.9372				12.2345
4	15	0.0373	-1.1282				3.2448
5	5	0.0077	0.2264				2.4133
5	6	-0.0077	-0.2264				0.9463
6	6	0.0080	-0.0707				-0.8191
6	7	-0.0080	0.0707				-0.2301
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	-0.2050	0.0335				0.6648
8	9	0.2050	-0.0335				0.2999
9	3	1.0362	-0.0190				-0.3774
9	10	-1.0362	0.0190				-0.1659
10	4	11.8776	0.0001				0.0031
10	11	-11.8776	-0.0001				-0.0015
11	5	1.0577	0.0205				0.3883
11	12	-1.0577	-0.0205				0.1850
12	6	-0.2966	-0.0064				-0.1272
12	13	0.2966	0.0064				-0.0512
13	7	0.0702	0.0114				0.2301
13	14	-0.0702	-0.0114				0.0995
14	9	-0.0066	-0.0240				-0.2999
14	10	0.0066	0.0240				-0.0556
15	10	-0.0257	0.0235				0.2215
15	11	0.0257	-0.0235				0.1267
16	11	-0.0256	-0.0186				-0.1253
16	12	0.0256	0.0186				-0.1504
17	12	-0.0051	0.0007				-0.0346
17	13	0.0051	-0.0007				0.0455
18	13	-0.0114	-0.0063				0.0058
18	14	0.0114	0.0063				-0.0995
19	15	0.0028	1.1291				-3.2448
19	5	-0.0424	0.8305				-2.8015

RESULTANT JOINT LOADS - SUPPORTS

JOINT	FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT

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9	GLOBAL	-0.0401	-0.2289					0.0000
10	GLOBAL	0.0	1.0836					-0.0000
11	GLOBAL	0.0000	11.8355					-0.0000
12	GLOBAL	-0.0000	1.0770					-0.0000
13	GLOBAL	0.0000	-0.3037					0.0000
14	GLOBAL	-0.0000	0.0765					0.0
15	GLOBAL	0.0401	-0.0000					0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0017
10	GLOBAL	0.0000	0.0				0.0011
11	GLOBAL	0.0000	0.0				-0.0002
12	GLOBAL	0.0000	0.0				-0.0005
13	GLOBAL	0.0000	0.0				0.0005
14	GLOBAL	0.0000	0.0				-0.0007
15	GLOBAL	0.0	-0.0018				0.0000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0000	-0.0017				0.0061
2	GLOBAL	0.0000	0.0000				0.0061
3	GLOBAL	0.0000	-0.0001				-0.0146
4	GLOBAL	0.0000	-0.0009				0.0002
5	GLOBAL	0.0000	-0.0001				0.0143
6	GLOBAL	0.0000	0.0000				-0.0050
7	GLOBAL	0.0000	-0.0000				0.0021
8	GLOBAL	0.0000	0.0006				0.0021

LOADING - 15 HS-20 #14 INT & MID CELLS

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MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0292	-0.2038				-0.6590
2	3	0.0292	0.2038				-2.3661
3	3	-0.0312	0.8337				2.7404
3	4	-0.1058	5.9349				-12.1695
4	4	-0.0897	3.6273				12.1300
4	15	0.0329	-0.8179				2.2755
5	5	0.0089	0.2687				2.8672
5	6	-0.0089	-0.2687				1.1201
6	6	0.0094	-0.0835				-0.9689
6	7	-0.0094	0.0835				-0.2704
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	-0.2032	0.0332				0.6590
8	9	0.2032	-0.0332				0.2973
9	3	1.0374	-0.0189				-0.3742
9	10	-1.0374	0.0189				-0.1645
10	4	9.5642	0.0020				0.0395
10	11	-9.5642	-0.0020				0.0169
11	5	1.4404	0.0244				0.4626
11	12	-1.4404	-0.0244				0.2198
12	6	-0.3517	-0.0076				-0.1512
12	13	0.3517	0.0076				-0.0612
13	7	0.0829	0.0134				0.2704
13	14	-0.0829	-0.0134				0.1157
14	9	-0.0134	-0.0237				-0.2973
14	10	0.0134	0.0237				-0.0551
15	10	-0.0323	0.0233				0.2196
15	11	0.0323	-0.0233				0.1256
16	11	-0.0303	-0.0215				-0.1425
16	12	0.0303	0.0215				-0.1760
17	12	-0.0058	0.0006				-0.0438
17	13	0.0058	-0.0006				0.0524
18	13	-0.0134	-0.0072				0.0087
18	14	0.0134	0.0072				-0.1157
19	15	0.0137	0.8188				-2.2755
19	5	-0.0539	1.1708				-3.3297

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	-0.0466	-0.2269				0.0000
10	GLOBAL	0.0000	1.0844				-0.0000
11	GLOBAL	0.0000	9.5194				-0.0000
12	GLOBAL	-0.0000	1.4624				-0.0000
13	GLOBAL	0.0000	-0.3595				0.0000
14	GLOBAL	-0.0000	0.0901				-0.0000

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15	GLOBAL	0.0466	-0.0000					0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0016
10	GLOBAL	0.0000	0.0				0.0011
11	GLOBAL	0.0000	0.0				-0.0002
12	GLOBAL	0.0000	0.0				-0.0006
13	GLOBAL	0.0000	0.0				0.0006
14	GLOBAL	0.0000	0.0				-0.0008
15	GLOBAL	0.0	-0.0018				-0.0052

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0000	-0.0017				0.0060
2	GLOBAL	0.0000	0.0000				0.0060
3	GLOBAL	0.0000	-0.0001				-0.0145
4	GLOBAL	0.0000	-0.0007				0.0015
5	GLOBAL	0.0000	-0.0001				0.0170
6	GLOBAL	0.0000	0.0000				-0.0059
7	GLOBAL	0.0000	-0.0000				0.0025
8	GLOBAL	0.0000	0.0007				0.0025

LOADING - 16 HS-20 #15 LT. CANT. SLAB .

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		

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		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0012	-0.0178				-0.0459
2	3	0.0012	0.0178				-0.2185
3	3	-0.0016	0.0604				0.2487
3	4	0.0016	-0.0604				0.6471
4	4	-0.0006	-0.1740				-0.7342
4	15	0.0006	0.1740				-0.5550
5	5	-0.3031	0.5088				2.1506
5	6	0.3031	-0.5088				5.4003
6	6	-0.4297	-1.7506				-6.1650
6	7	0.4297	1.7506				-19.8266
7	7	-0.0180	2.5199				26.6105
7	8	0.0000	0.0000				0.0000
8	2	-0.0178	0.0016				0.0459
8	9	0.0178	-0.0016				-0.0009
9	3	0.0782	-0.0012				-0.0302
9	10	-0.0782	0.0012				-0.0037
10	4	-0.2343	0.0037				0.0872
10	11	0.2343	-0.0037				0.0175
11	5	0.6792	-0.0115				-0.2571
11	12	-0.6792	0.0115				-0.0636
12	6	-2.2746	0.0354				0.7647
12	13	2.2746	-0.0354				0.2297
13	7	4.2894	-0.3443				-6.7838
13	14	-4.2894	0.3443				-3.1396
14	9	0.3179	0.0051				0.0009
14	10	-0.3179	-0.0051				0.0747
15	10	0.3167	-0.0191				-0.0710
15	11	-0.3167	0.0191				-0.2126
16	11	0.3204	0.0489				0.1951
16	12	-0.3204	-0.0489				0.5306
17	12	0.3089	-0.1175				-0.4670
17	13	-0.3089	0.1175				-1.2772
18	13	0.3443	0.2823				1.0474
18	14	-0.3443	-0.2823				3.1396
19	15	-0.3168	-0.1804				0.5550
19	5	0.3168	0.1804				-1.8935

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.3163	-0.0127				-0.0000
10	GLOBAL	0.0000	0.0540				0.0000
11	GLOBAL	-0.0000	-0.1663				-0.0000
12	GLOBAL	0.0000	0.5127				0.0000
13	GLOBAL	-0.0000	-1.8748				-0.0000
14	GLOBAL	0.0000	4.0070				-0.0000
15	GLOBAL	-0.3163	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

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JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	-0.0000	0.0000				-0.0000
4	GLOBAL	0.0000	-0.0000				0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0004
10	GLOBAL	-0.0000	0.0				0.0006
11	GLOBAL	-0.0000	0.0				-0.0013
12	GLOBAL	-0.0000	0.0				0.0031
13	GLOBAL	-0.0000	0.0				-0.0075
14	GLOBAL	-0.0000	0.0				0.0150
15	GLOBAL	0.0	0.0006				0.0028

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0000	-0.0002				0.0006
2	GLOBAL	-0.0000	0.0000				0.0006
3	GLOBAL	-0.0000	-0.0000				-0.0014
4	GLOBAL	-0.0000	0.0000				0.0038
5	GLOBAL	-0.0000	-0.0001				-0.0109
6	GLOBAL	-0.0000	0.0002				0.0316
7	GLOBAL	0.0000	-0.0002				-0.0620
8	GLOBAL	-0.0002	-0.0375				-0.1884

LOADING - 17 HS-20 #16 RT CANT & EXT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0007	-0.0127				-0.0316
2	3	0.0007	0.0127				-0.1569

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3	3	-0.0011	0.0433	0.1779
3	4	0.0011	-0.0433	0.4645
4	4	-0.0002	-0.1245	-0.5255
4	15	0.0002	0.1245	-0.3973
5	5	-0.2805	0.3653	1.5439
5	6	0.2805	-0.3653	3.8781
6	6	-0.3688	-1.2343	-4.4131
6	7	0.4745	3.4117	-25.7958
7	7	-0.0315	4.4099	31.8687
7	8	0.0000	0.0000	0.0000
8	2	-0.0127	0.0010	0.0316
8	9	0.0127	-0.0010	-0.0035
9	3	0.0560	-0.0008	-0.0210
9	10	-0.0560	0.0008	-0.0012
10	4	-0.1678	0.0025	0.0610
10	11	0.1678	-0.0025	0.0090
11	5	0.4866	-0.0076	-0.1790
11	12	-0.4866	0.0076	-0.0345
12	6	-1.6128	0.0239	0.5350
12	13	1.6128	-0.0239	0.1361
13	7	7.8407	-0.3085	-6.0729
13	14	-7.8407	0.3085	-2.8188
14	9	0.2906	0.0044	0.0035
14	10	-0.2906	-0.0044	0.0624
15	10	0.2898	-0.0161	-0.0613
15	11	-0.2898	0.0161	-0.1780
16	11	0.2923	0.0418	0.1690
16	12	-0.2923	-0.0418	0.4508
17	12	0.2846	-0.1029	-0.4163
17	13	-0.2846	0.1029	-1.1108
18	13	0.3085	0.2558	0.9747
18	14	-0.3085	-0.2558	2.8188
19	15	-0.2897	-0.1304	0.3973
19	5	0.2897	0.1304	-1.3649

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.2896	-0.0082				-0.0000
10	GLOBAL	0.0000	0.0354				0.0000
11	GLOBAL	-0.0000	-0.1099				-0.0000
12	GLOBAL	0.0000	0.3419				0.0000
13	GLOBAL	-0.0000	-1.2541				-0.0000
14	GLOBAL	-0.0000	7.5849				0.0000
15	GLOBAL	-0.2896	0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	-0.0000	-0.0000				-0.0000

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4	GLOBAL	0.0000	-0.0000					0.0000
5	GLOBAL	0.0000	-0.0000					0.0000
6	GLOBAL	0.0000	-0.0000					0.0000
7	GLOBAL	-0.0000	0.0000					0.0000
8	GLOBAL	0.0000	0.0000					0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0003
10	GLOBAL	-0.0000	0.0				0.0005
11	GLOBAL	-0.0000	0.0				-0.0011
12	GLOBAL	-0.0000	0.0				0.0026
13	GLOBAL	-0.0000	0.0				-0.0065
14	GLOBAL	-0.0000	0.0				0.0133
15	GLOBAL	0.0	0.0004				0.0020

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0000	-0.0001				0.0005
2	GLOBAL	-0.0000	0.0000				0.0005
3	GLOBAL	-0.0000	-0.0000				-0.0010
4	GLOBAL	-0.0000	0.0000				0.0028
5	GLOBAL	-0.0000	-0.0000				-0.0079
6	GLOBAL	0.0000	0.0001				0.0227
7	GLOBAL	0.0000	-0.0004				-0.0555
8	GLOBAL	-0.0002	-0.0393				-0.2030

LOADING - 18 R R TRANSIT #1 RT CANT & INT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0052	-0.0537				-0.1508
2	3	0.0052	0.0537				-0.6456
3	3	-0.0055	0.1790				0.7426
3	4	0.0055	-0.1790				1.9126
4	4	-0.0045	-0.5185				-2.1889
4	15	0.0045	0.5185				-1.6537
5	5	-0.2920	1.5752				6.3764
5	6	0.3747	5.6443				-1.1413

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6	6	-0.4460	-1.1814				-0.4580
6	7	0.4460	1.1814				-17.0822
7	7	-0.0234	3.2799				24.7633
7	8	0.0000	0.0000				0.0000
8	2	-0.0535	0.0063				0.1508
8	9	0.0535	-0.0063				0.0294
9	3	0.2326	-0.0044				-0.0970
9	10	-0.2326	0.0044				-0.0278
10	4	-0.6974	0.0131				0.2763
10	11	0.6974	-0.0131				0.0931
11	5	2.0900	-0.0408				-0.8244
11	12	-2.0900	0.0408				-0.3145
12	6	4.4466	0.0782				1.5993
12	13	-4.4466	-0.0782				0.5978
13	7	4.4816	-0.3882				-7.6811
13	14	-4.4816	0.3882				-3.5065
14	9	0.3421	0.0062				-0.0294
14	10	-0.3421	-0.0062				0.1208
15	10	0.3377	-0.0292				-0.0930
15	11	-0.3377	0.0292				-0.3406
16	11	0.3508	0.0689				0.2475
16	12	-0.3508	-0.0689				0.7748
17	12	0.3100	-0.1372				-0.4603
17	13	-0.3100	0.1372				-1.5752
18	13	0.3882	0.3024				0.9774
18	14	-0.3882	-0.3024				3.5065
19	15	-0.3402	-0.5253				1.6537
19	5	0.3402	0.5253				-5.5520

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.3358	-0.0474				-0.0000
10	GLOBAL	0.0000	0.1972				0.0000
11	GLOBAL	-0.0000	-0.5992				-0.0000
12	GLOBAL	0.0000	1.8839				0.0000
13	GLOBAL	-0.0000	4.8862				-0.0000
14	GLOBAL	0.0000	4.1792				-0.0000
15	GLOBAL	-0.3358	0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	0.0000	-0.0000				-0.0000
3	GLOBAL	-0.0000	0.0000				-0.0000
4	GLOBAL	0.0000	0.0000				0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				0.0000
7	GLOBAL	-0.0000	0.0				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

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RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0008
10	GLOBAL	-0.0000	0.0				0.0011
11	GLOBAL	-0.0000	0.0				-0.0022
12	GLOBAL	-0.0000	0.0				0.0047
13	GLOBAL	-0.0000	0.0				-0.0099
14	GLOBAL	-0.0000	0.0				0.0177
15	GLOBAL	0.0	0.0017				0.0082

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0000	-0.0005				0.0018
2	GLOBAL	-0.0000	0.0000				0.0018
3	GLOBAL	-0.0000	-0.0000				-0.0041
4	GLOBAL	-0.0000	0.0001				0.0113
5	GLOBAL	-0.0000	-0.0002				-0.0323
6	GLOBAL	-0.0000	-0.0003				0.0633
7	GLOBAL	-0.0000	-0.0002				-0.0706
8	GLOBAL	-0.0002	-0.0320				-0.1367

LOADING - 19 R R TRANSIT #2 INT & EXT CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0027	-0.0208				-0.0643
2	3	0.0027	0.0208				-0.2452
3	3	-0.0025	0.0682				0.2856
3	4	0.0025	-0.0682				0.7267
4	4	-0.0030	-0.1990				-0.8403
4	15	0.0030	0.1990				-0.6344
5	5	0.1488	0.6426				2.4347
5	6	-0.0661	6.5769				-11.0396
6	6	0.2337	2.1145				10.8683
6	7	0.0626	3.9883				-2.5568
7	7	0.0000	-0.0000				0.0000
7	8	-0.0000	0.0000				-0.0000
8	2	-0.0208	0.0031				0.0643
8	9	0.0208	-0.0031				0.0259

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9	3	0.0891	-0.0021					-0.0404
9	10	-0.0891	0.0021					-0.0183
10	4	-0.2671	0.0060					0.1136
10	11	0.2671	-0.0060					0.0545
11	5	0.8432	-0.0186					-0.3431
11	12	-0.8432	0.0186					-0.1777
12	6	8.6990	0.0105					0.1713
12	13	-8.6990	-0.0105					0.1236
13	7	3.9867	0.1309					2.5568
13	14	-3.9867	-0.1309					1.2161
14	9	-0.1267	-0.0017					-0.0259
14	10	0.1267	0.0017					0.0000
15	10	-0.1287	0.0014					0.0183
15	11	0.1287	-0.0014					0.0027
16	11	-0.1228	-0.0086					-0.0571
16	12	0.1228	0.0086					-0.0700
17	12	-0.1414	0.0444					0.2477
17	13	0.1414	-0.0444					0.4118
18	13	-0.1309	-0.1181					-0.5354
18	14	0.1309	0.1181					-1.2161
19	15	0.1268	-0.1963					0.6344
19	5	-0.1268	0.1963					-2.0916

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.1298	-0.0225				0.0000
10	GLOBAL	-0.0000	0.0922				-0.0000
11	GLOBAL	-0.0000	-0.2771				0.0000
12	GLOBAL	-0.0000	0.8962				-0.0000
13	GLOBAL	0.0000	8.5365				0.0000
14	GLOBAL	-0.0000	4.1048				-0.0000
15	GLOBAL	0.1298	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	-0.0000	0.0000				-0.0000
4	GLOBAL	0.0000	0.0000				0.0000
5	GLOBAL	0.0000	-0.0000				0.0000
6	GLOBAL	0.0000	0.0000				-0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	-0.0000	0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.

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9	GLOBAL	0.0	0.0					-0.0002
10	GLOBAL	0.0000	0.0					0.0001
11	GLOBAL	0.0000	0.0					-0.0001
12	GLOBAL	0.0000	0.0					-0.0002
13	GLOBAL	0.0000	0.0					0.0019
14	GLOBAL	0.0000	0.0					-0.0052
15	GLOBAL	0.0	0.0007					0.0031

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0000	-0.0002				0.0006
2	GLOBAL	-0.0000	0.0000				0.0006
3	GLOBAL	-0.0000	-0.0000				-0.0015
4	GLOBAL	-0.0000	0.0000				0.0043
5	GLOBAL	-0.0000	-0.0001				-0.0123
6	GLOBAL	-0.0000	-0.0006				0.0054
7	GLOBAL	-0.0000	-0.0002				0.0232
8	GLOBAL	0.0000	0.0060				0.0232

LOADING - 20 R R TRANSIT #3 RT CANT & EXT CELL

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.0008	0.0048				0.0158
2	3	-0.0008	-0.0048				0.0552
3	3	0.0006	-0.0154				-0.0651
3	4	-0.0006	0.0154				-0.1638
4	4	0.0009	0.0452				0.1909
4	15	-0.0009	-0.0452				0.1441
5	5	-0.1206	-0.1297				-0.5446
5	6	0.1206	0.1297				-1.3800
6	6	-0.0660	0.8072				1.6232
6	7	0.3143	4.3068				-22.7120
7	7	-0.0234	3.2799				24.7633
7	8	0.0000	0.0000				0.0000
8	2	0.0048	-0.0008				-0.0158
8	9	-0.0048	0.0008				-0.0086
9	3	-0.0202	0.0005				0.0099
9	10	0.0202	-0.0005				0.0057
10	4	0.0606	-0.0015				-0.0271
10	11	-0.0606	0.0015				-0.0157
11	5	-0.1762	0.0048				0.0825
11	12	0.1762	-0.0048				0.0509

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12	6	0.9341	-0.0140				-0.2432
12	13	-0.9341	0.0140				-0.1514
13	7	7.5970	-0.1051				-2.0513
13	14	-7.5970	0.1051				-0.9774
14	9	0.1153	0.0012				0.0086
14	10	-0.1153	-0.0012				0.0086
15	10	0.1159	-0.0027				-0.0143
15	11	-0.1159	0.0027				-0.0256
16	11	0.1144	0.0085				0.0413
16	12	-0.1144	-0.0085				0.0845
17	12	0.1191	-0.0282				-0.1355
17	13	-0.1191	0.0282				-0.2834
18	13	0.1051	0.0952				0.4348
18	14	-0.1051	-0.0952				0.9774
19	15	-0.1152	0.0429				-0.1441
19	5	0.1152	-0.0429				0.4621

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1162	0.0059				-0.0000
10	GLOBAL	0.0000	-0.0241				0.0000
11	GLOBAL	0.0000	0.0718				-0.0000
12	GLOBAL	0.0000	-0.2129				0.0000
13	GLOBAL	-0.0000	1.0575				-0.0000
14	GLOBAL	0.0000	7.5017				0.0000
15	GLOBAL	-0.1162	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	-0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	-0.0000				0.0000
7	GLOBAL	-0.0000	-0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0000
10	GLOBAL	-0.0000	0.0				0.0000
11	GLOBAL	-0.0000	0.0				-0.0001
12	GLOBAL	-0.0000	0.0				0.0004
13	GLOBAL	-0.0000	0.0				-0.0015

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14	GLOBAL	-0.0000	0.0					0.0041
15	GLOBAL	0.0	-0.0001					-0.0007

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0000	0.0000				-0.0001
2	GLOBAL	0.0000	-0.0000				-0.0001
3	GLOBAL	0.0000	0.0000				0.0003
4	GLOBAL	0.0000	-0.0000				-0.0010
5	GLOBAL	0.0000	0.0000				0.0027
6	GLOBAL	0.0000	-0.0001				-0.0082
7	GLOBAL	0.0000	-0.0004				-0.0186
8	GLOBAL	-0.0001	-0.0182				-0.0847

LOADING - 21 P R TRANSIT #4 EXT & INT CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.0164	0.1393				0.4153
2	3	-0.0164	-0.1393				1.6530
3	3	0.0157	-0.4597				-1.9140
3	4	-0.0157	0.4597				-4.9054
4	4	0.0133	1.5223				5.6522
4	15	-0.0530	0.4373				5.5097
5	5	0.1741	0.0639				3.7023
5	6	-0.1741	-0.0639				-2.7542
6	6	0.2960	1.5106				3.7595
6	7	0.0003	4.5922				-4.4133
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	0.1390	-0.0191				-0.4153
8	9	-0.1390	0.0191				-0.1348
9	3	-0.5990	0.0127				0.2610
9	10	0.5990	-0.0127				0.1001
10	4	1.9817	-0.0377				-0.7468
10	11	-1.9817	0.0377				-0.3170
11	5	5.3142	0.0603				1.1779
11	12	-5.3142	-0.0603				0.5066
12	6	1.4573	-0.0490				-1.0054
12	13	-1.4573	0.0490				-0.3715
13	7	4.5868	0.2224				4.4133
13	14	-4.5868	-0.2224				1.9954
14	9	-0.2087	0.0005				0.1348
14	10	0.2087	-0.0005				-0.1281

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15	10	-0.1960	0.0258					0.0280
15	11	0.1960	-0.0258					0.3543
16	11	-0.2337	-0.0396					-0.0372
16	12	0.2337	0.0396					-0.5497
17	12	-0.1734	0.0593					0.0431
17	13	0.1734	-0.0593					0.8373
18	13	-0.2224	-0.1660					-0.4658
18	14	0.2224	0.1660					-1.9954
19	15	0.2425	-0.4335					-5.5097
19	5	-0.3397	5.2425					-4.8802

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.1896	0.1395				-0.0000
10	GLOBAL	-0.0000	-0.5736				-0.0000
11	GLOBAL	0.0000	1.9163				0.0000
12	GLOBAL	-0.0000	5.4131				-0.0000
13	GLOBAL	0.0000	1.2321				0.0000
14	GLOBAL	-0.0000	4.7527				0.0
15	GLOBAL	0.1896	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				-0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0015
10	GLOBAL	0.0000	0.0				-0.0017
11	GLOBAL	0.0000	0.0				0.0026
12	GLOBAL	0.0000	0.0				-0.0041
13	GLOBAL	0.0000	0.0				0.0063
14	GLOBAL	0.0000	0.0				-0.0105
15	GLOBAL	0.0	-0.0040				-0.0098

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

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JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0001	0.0013				-0.0044
2	GLOBAL	0.0001	-0.0000				-0.0044
3	GLOBAL	0.0001	0.0000				0.0103
4	GLOBAL	0.0001	-0.0001				-0.0289
5	GLOBAL	0.0001	-0.0004				0.0447
6	GLOBAL	0.0001	-0.0001				-0.0400
7	GLOBAL	0.0001	-0.0002				0.0406
8	GLOBAL	0.0001	0.0107				0.0406

LOADING - 22 R R TRANSIT #5 EXT & INT CELLS

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.0169	0.1444				0.4296
2	3	-0.0169	-0.1444				1.7131
3	3	0.0163	-0.4764				-1.9832
3	4	-0.0163	0.4764				-5.0833
4	4	0.0138	1.5706				5.8561
4	15	-0.0534	0.3890				5.6638
5	5	0.1791	-0.0769				3.1107
5	6	-0.1791	0.0769				-4.2523
6	6	0.3516	2.2749				5.4904
6	7	-0.1033	2.8390				-4.7866
7	7	0.0000	-0.0000				0.0000
7	8	-0.0000	0.0000				-0.0000
8	2	0.1440	-0.0197				-0.4296
8	9	-0.1440	0.0197				-0.1381
9	3	-0.6206	0.0131				0.2702
9	10	0.6206	-0.0131				0.1030
10	4	2.0466	-0.0389				-0.7728
10	11	-2.0466	0.0389				-0.3263
11	5	5.1251	0.0642				1.2555
11	12	-5.1251	-0.0642				0.5378
12	6	2.3642	-0.0609				-1.2381
12	13	-2.3642	0.0609				-0.4729
13	7	2.8307	0.2409				4.7866
13	14	-2.8307	-0.2409				2.1557
14	9	-0.2183	0.0000				0.1381
14	10	0.2183	-0.0000				-0.1378
15	10	-0.2053	0.0281				0.0348
15	11	0.2053	-0.0281				0.3813
16	11	-0.2442	-0.0448				-0.0550
16	12	0.2442	0.0448				-0.6090
17	12	-0.1800	0.0687				0.0712
17	13	0.1800	-0.0687				0.9485

3300346?

18	13	-0.2409	-0.1774				-0.4756
18	14	0.2409	0.1774				-2.1557
19	15	0.2520	-0.3850				-5.6638
19	5	-0.3492	5.1940				-4.3662

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	-0.1987	0.1440				-0.0000
10	GLOBAL	-0.0000	-0.5926				-0.0000
11	GLOBAL	0.0000	1.9738				0.0000
12	GLOBAL	-0.0000	5.2386				-0.0000
13	GLOBAL	-0.0000	2.1180				0.0000
14	GLOBAL	0.0000	3.0081				0.0000
15	GLOBAL	0.1987	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	-0.0000	0.0				-0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	-0.0000	0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
9	GLOBAL	0.0	0.0				0.0016
10	GLOBAL	0.0000	0.0				-0.0017
11	GLOBAL	0.0000	0.0				0.0028
12	GLOBAL	0.0000	0.0				-0.0045
13	GLOBAL	0.0000	0.0				0.0070
14	GLOBAL	0.0000	0.0				-0.0115
15	GLOBAL	0.0	-0.0042				-0.0106

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
1	GLOBAL	0.0001	0.0013				-0.0046
2	GLOBAL	0.0001	-0.0000				-0.0046

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3	GLOBAL	0.0001	0.0000	0.0107
4	GLOBAL	0.0001	-0.0002	-0.0300
5	GLOBAL	0.0001	-0.0004	0.0477
6	GLOBAL	0.0001	-0.0002	-0.0489
7	GLOBAL	0.0001	-0.0001	0.0441
8	GLOBAL	0.0001	0.0117	0.0441

LOADING - 23 HYDROSTATIC PRESSURE 17.42 FT OF DRAFT

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0000	-0.0000				-0.0000
1	2	-0.0000	0.0000				-0.0000
2	2	0.6820	0.4805				5.5040
2	3	-0.6820	-0.4805				1.6285
3	3	0.6974	-0.1271				-1.4731
3	4	-0.6974	0.1271				-0.4123
4	4	0.6913	-0.0041				0.3094
4	15	-0.6913	0.0041				-0.3401
5	5	0.7173	0.1280				0.4054
5	6	-0.7173	-0.1280				1.4940
6	6	0.6838	-0.5026				-1.7243
6	7	-0.6838	0.5026				-5.7378
7	7	-0.0000	-0.0000				-0.0000
7	8	0.0000	0.0000				0.0000
8	2	0.4671	-0.6913				-5.5040
8	9	-0.4671	-6.7053				27.5044
9	3	-0.6083	-0.0033				-0.1554
9	10	0.6083	0.0033				0.0601
10	4	0.1231	0.0036				0.1029
10	11	-0.1231	-0.0036				-0.0011
11	5	0.1543	0.0011				-0.0383
11	12	-0.1543	-0.0011				0.0682
12	6	-0.6050	0.0084				0.2303
12	13	0.6050	-0.0084				0.0066
13	7	0.4688	0.7074				5.7378
13	14	-0.4688	6.6893				-27.2755
14	9	6.6795	-8.3526				-27.5044
14	10	-6.6795	-7.7675				23.0824
15	10	6.6762	-7.9752				-23.1425
15	11	-6.6762	-8.1450				24.4013
16	11	6.6798	-8.0616				-24.4001
16	12	-6.6798	-8.0585				24.3773
17	12	6.6809	-8.1407				-24.4455
17	13	-6.6809	-7.9795				23.1684
18	13	6.6893	-7.7836				-23.1750
18	14	-6.6893	-8.3366				27.2755
19	15	0.7171	-0.0036				0.3401
19	5	-0.7171	0.0036				-0.3671

33003469

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	-0.0258	-7.8855				0.0000
10	GLOBAL	-0.0000	-16.3510				-0.0000
11	GLOBAL	0.0000	-16.0835				0.0
12	GLOBAL	0.0000	-16.0449				0.0000
13	GLOBAL	-0.0000	-16.3681				0.0000
14	GLOBAL	0.0000	-7.8678				0.0
15	GLOBAL	0.0258	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
1	GLOBAL	0.0000	-0.0000				-0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	0.0000	0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	0.0000	0.0				0.0000
7	GLOBAL	-0.0000	-0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
9	GLOBAL	0.0	0.0				-0.0059
10	GLOBAL	-0.0002	0.0				0.0064
11	GLOBAL	-0.0003	0.0				-0.0033
12	GLOBAL	-0.0005	0.0				0.0032
13	GLOBAL	-0.0007	0.0				-0.0066
14	GLOBAL	-0.0009	0.0				0.0053
15	GLOBAL	0.0	0.0004				0.0001

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
1	GLOBAL	-0.0001	-0.0051				0.0175
2	GLOBAL	0.0000	-0.0000				0.0175
3	GLOBAL	0.0000	0.0000				-0.0095
4	GLOBAL	0.0000	-0.0000				0.0044
5	GLOBAL	-0.0000	-0.0000				-0.0045
6	GLOBAL	-0.0000	0.0000				0.0097
7	GLOBAL	-0.0000	-0.0000				-0.0180
8	GLOBAL	-0.0001	-0.0049				-0.0180

33003470

LOADING - 24 WAVE FORCE PLUS HYDROSTATIC PRESSURE

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	3.7758	2.4146				27.5372
2	3	-3.7758	-2.4146				8.3029
3	3	3.8282	-0.7190				-7.7720
3	4	-3.8282	0.7190				-2.8923
4	4	3.8114	0.2349				2.6691
4	15	-3.8114	-0.2349				-0.9283
5	5	0.7656	0.0716				-0.2803
5	6	-0.7656	-0.0716				1.3423
6	6	0.7338	-0.5178				-1.5885
6	7	-0.7338	0.5178				-6.0989
7	7	-0.0000	0.0000				-0.0000
7	8	0.0000	-0.0000				0.0000
8	2	2.3404	-3.8223				-27.5372
8	9	-2.3404	-12.2121				51.3909
9	3	-3.1366	0.0094				-0.5310
9	10	3.1366	-0.0094				0.7995
10	4	0.9539	-0.0025				0.2232
10	11	-0.9539	0.0025				-0.2945
11	5	-0.0774	0.0038				-0.0767
11	12	0.0774	-0.0038				0.1836
12	6	-0.5619	0.0067				0.2461
12	13	0.5619	-0.0067				-0.0586
13	7	0.4816	0.7581				6.0989
13	14	-0.4816	6.7639				-27.6080
14	9	6.7465	-10.7977				-51.3909
14	10	-6.7465	-5.8860				15.0090
15	10	6.7559	-7.4515				-15.8085
15	11	-6.7559	-9.1061				28.2418
16	11	6.7534	-8.5198				-27.9473
16	12	-6.7534	-7.9118				23.5855
17	12	6.7573	-8.1675				-23.7691
17	13	-6.7573	-8.1380				23.6330
18	13	6.7639	-7.8276				-23.5744
18	14	-6.7639	-8.3519				27.6080
19	15	0.7652	0.1732				0.9283
19	5	-0.7652	-0.1732				0.3570

RESULTANT JOINT LOADS - SUPPORTS

JOINT	FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT

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9	GLOBAL	-5.4656	-8.4573					0.0000
10	GLOBAL	0.0000	-16.4742					-0.0000
11	GLOBAL	-0.0000	-16.6720					0.0000
12	GLOBAL	0.0000	-16.1567					0.0000
13	GLOBAL	-0.0000	-16.5275					0.0000
14	GLOBAL	0.0000	-7.8703					0.0000
15	GLOBAL	-3.0468	0.0000					-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	-0.0000				0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				-0.0000
6	GLOBAL	0.0000	0.0				0.0000
7	GLOBAL	-0.0000	-0.0000				0.0000
8	GLOBAL	0.0000	-0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.1099
10	GLOBAL	-0.0002	0.0				0.0521
11	GLOBAL	-0.0003	0.0				-0.0206
12	GLOBAL	-0.0005	0.0				0.0097
13	GLOBAL	-0.0007	0.0				-0.0102
14	GLOBAL	-0.0009	0.0				0.0084
15	GLOBAL	0.0	0.0010				-0.0032

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0003	-0.0253				0.0870
2	GLOBAL	0.0002	-0.0001				0.0870
3	GLOBAL	0.0001	0.0002				-0.0466
4	GLOBAL	0.0000	-0.0001				0.0174
5	GLOBAL	-0.0000	0.0000				-0.0092
6	GLOBAL	-0.0001	0.0000				0.0121
7	GLOBAL	-0.0001	-0.0000				-0.0201
8	GLOBAL	-0.0001	-0.0054				-0.0201

LOADING - 25 WAVE FORCE

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MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	3.0938	1.9341				22.0332
2	3	-3.0938	-1.9341				6.6745
3	3	3.1309	-0.5918				-6.2989
3	4	-3.1309	0.5918				-2.4800
4	4	3.1202	0.2390				2.3596
4	15	-3.1202	-0.2390				-0.5882
5	5	0.0483	-0.0564				-0.6857
5	6	-0.0483	0.0564				-0.1517
6	6	0.0500	-0.0152				0.1358
6	7	-0.0500	0.0152				-0.3611
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				0.0000
8	2	1.8733	-3.1310				-22.0332
8	9	-1.8733	-5.5068				23.8865
9	3	-2.5283	0.0128				-0.3756
9	10	2.5283	-0.0128				0.7394
10	4	0.8309	-0.0061				0.1203
10	11	-0.8309	0.0061				-0.2934
11	5	-0.2317	0.0028				-0.0384
11	12	0.2317	-0.0028				0.1154
12	6	0.0431	-0.0018				0.0158
12	13	-0.0431	0.0018				-0.0651
13	7	0.0127	0.0507				0.3611
13	14	-0.0127	0.0746				-0.3325
14	9	0.0670	-2.4451				-23.8865
14	10	-0.0670	1.8816				-8.0734
15	10	0.0798	0.5237				7.3340
15	11	-0.0798	-0.9611				3.8405
16	11	0.0736	-0.4582				-3.5472
16	12	-0.0736	0.1468				-0.7918
17	12	0.0764	-0.0268				0.6764
17	13	-0.0764	-0.1585				0.4646
18	13	0.0746	-0.0441				-0.3994
18	14	-0.0746	-0.0153				0.3325
19	15	0.0482	0.1768				0.5882
19	5	-0.0482	-0.1768				0.7241

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	-5.4397	-0.5718				0.0000
10	GLOBAL	0.0000	-0.1231				-0.0000
11	GLOBAL	-0.0000	-0.5885				0.0000
12	GLOBAL	0.0000	-0.1117				-0.0000
13	GLOBAL	-0.0000	-0.1594				0.0000
14	GLOBAL	0.0	-0.0025				0.0000

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15	GLOBAL	-3.0727	0.0000					-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	-0.0000				0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	-0.0000				-0.0000
6	GLOBAL	-0.0000	0.0				0.0000
7	GLOBAL	0.0	0.0				-0.0000
8	GLOBAL	0.0000	-0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
9	GLOBAL	0.0	0.0				-0.1040
10	GLOBAL	-0.0000	0.0				0.0456
11	GLOBAL	-0.0000	0.0				-0.0174
12	GLOBAL	-0.0000	0.0				0.0065
13	GLOBAL	-0.0000	0.0				-0.0035
14	GLOBAL	-0.0000	0.0				0.0031
15	GLOBAL	0.0	0.0007				-0.0033

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
1	GLOBAL	-0.0002	-0.0202				0.0695
2	GLOBAL	0.0002	-0.0001				0.0695
3	GLOBAL	0.0001	0.0002				-0.0371
4	GLOBAL	0.0000	-0.0001				0.0130
5	GLOBAL	-0.0000	0.0000				-0.0046
6	GLOBAL	-0.0000	-0.0000				0.0024
7	GLOBAL	-0.0000	-0.0000				-0.0021
8	GLOBAL	-0.0000	-0.0006				-0.0021

LOADING - 26 FLOOD EXTERIOR CELL 17.42 FT OF DRAFT

MEMBER FORCES

MEMBER	JOINT	FORCE	MOMENT

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		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	-0.9393	-0.3293				-6.9396
2	3	0.9393	0.3293				2.0524
3	3	0.2575	0.6691				7.0964
3	4	-0.2575	-0.6691				2.8278
4	4	0.2864	-0.2342				-2.5200
4	15	-0.2864	0.2342				0.7843
5	5	-0.0026	0.0838				0.9039
5	6	0.0026	-0.0838				0.3393
6	6	-0.0026	-0.0206				-0.2890
6	7	0.0026	0.0206				-0.0162
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	-0.3109	0.9455				6.9396
8	9	0.3109	7.0676				-32.0358
9	3	0.9746	-1.2165				-9.1488
9	10	-0.9746	-6.7160				25.7408
10	4	-0.9037	-0.0106				-0.3078
10	11	0.9037	0.0106				0.0077
11	5	0.3237	0.0024				0.0922
11	12	-0.3237	-0.0024				-0.0256
12	6	-0.1044	-0.0020				-0.0503
12	13	0.1044	0.0020				-0.0050
13	7	0.0207	-0.0016				0.0162
13	14	-0.0207	0.0016				-0.0616
14	9	-6.7042	8.7265				32.0358
14	10	6.7042	7.3937				-22.0654
15	10	0.0118	-0.3450				-3.6755
15	11	-0.0118	0.3450				-1.4413
16	11	0.0012	0.1349				1.4336
16	12	-0.0012	-0.1349				0.5668
17	12	0.0035	-0.0501				-0.5411
17	13	-0.0035	0.0501				-0.2019
18	13	0.0016	0.0181				0.2069
18	14	-0.0016	-0.0181				0.0616
19	15	0.0037	-0.2399				-0.7843
19	5	-0.0037	0.2399				-0.9962

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE X FORCE	FORCE Y FORCE	FORCE Z FORCE	MOMENT X MOMENT	MOMENT Y MOMENT	MOMENT Z MOMENT
9	GLOBAL	0.3634	8.4157				-0.0000
10	GLOBAL	-0.0000	8.0232				0.0000
11	GLOBAL	-0.0000	-0.4237				0.0000
12	GLOBAL	-0.0000	0.1387				0.0000
13	GLOBAL	0.0000	-0.0362				-0.0000
14	GLORAL	-0.0000	0.0025				-0.0000
15	GLOBAL	-0.2827	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

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JOINT		FORCE X FORCE	Y FORCE	Z FORCE	MOMENT X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	0.0000				0.0000
3	GLOBAL	0.0000	-0.0000				-0.0000
4	GLOBAL	-0.0000	0.0000				0.0000
5	GLOBAL	-0.0000	0.0000				0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0301
10	GLOBAL	0.0002	0.0				-0.0211
11	GLOBAL	0.0002	0.0				0.0082
12	GLOBAL	0.0002	0.0				-0.0032
13	GLOBAL	0.0002	0.0				0.0013
14	GLOBAL	0.0002	0.0				-0.0006
15	GLOBAL	0.0	-0.0008				0.0037

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0002	0.0110				-0.0380
2	GLOBAL	0.0000	0.0000				-0.0380
3	GLOBAL	0.0000	-0.0001				0.0410
4	GLOBAL	0.0000	0.0001				-0.0150
5	GLOBAL	0.0000	-0.0000				0.0054
6	GLOBAL	0.0000	0.0000				-0.0020
7	GLOBAL	0.0000	-0.0000				0.0010
8	GLOBAL	0.0000	0.0003				0.0010

LOADING - 27 FLOOD EXTERIOR CELL FULL DEPTH

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	-7.0069	-2.4377				-43.0335
2	3	7.0069	2.4377				6.8510

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3	3	0.1222	3.4474				36.6648
3	4	-0.1222	-3.4474				14.4708
4	4	0.2363	-1.2344				-13.2165
4	15	-0.2363	1.2344				4.0676
5	5	-0.0063	0.4354				4.7184
5	6	0.0063	-0.4354				1.7441
6	6	-0.0140	-0.1138				-1.5617
6	7	0.0140	0.1138				-0.1284
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	-2.3003	7.0532				43.0335
8	9	2.3003	16.0408				-75.9990
9	3	5.7446	-7.2451				-43.5159
9	10	-5.7446	-15.6165				68.3214
10	4	-4.6832	-0.0193				-1.2543
10	11	4.6832	0.0193				0.7090
11	5	1.6743	0.0029				0.4083
11	12	-1.6743	-0.0029				-0.3268
12	6	-0.5497	-0.0028				-0.1824
12	13	0.5497	0.0028				0.1024
13	7	0.1144	-0.0084				0.1284
13	14	-0.1144	0.0084				-0.3716
14	9	-15.5888	15.4955				75.9990
14	10	15.5888	10.3531				-37.7129
15	10	0.0277	-2.8934				-30.6084
15	11	-0.0277	2.8934				-12.3005
16	11	0.0084	1.0949				11.5915
16	12	-0.0084	-1.0949				4.6463
17	12	0.0113	-0.4018				-4.3195
17	13	-0.0113	0.4018				-1.6437
18	13	0.0084	0.1290				1.5414
18	14	-0.0084	-0.1290				0.3716
19	15	0.0167	-1.2389				-4.0676
19	5	-0.0167	1.2389				-5.1267

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.4520	13.1952				-0.0000
10	GLOBAL	-0.0000	13.2043				0.0000
11	GLOBAL	0.0000	-0.6949				-0.0000
12	GLOBAL	-0.0000	0.1775				0.0000
13	GLOBAL	-0.0000	-0.0189				-0.0000
14	GLOBAL	0.0000	-0.0146				-0.0000
15	GLOBAL	-0.2196	-0.0000				0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				0.0000
3	GLOBAL	-0.0000	0.0000				-0.0000

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4	GLOBAL	-0.0000	0.0000					0.0000
5	GLOBAL	-0.0000	0.0000					0.0000
6	GLOBAL	-0.0000	0.0000					0.0000
7	GLOBAL	0.0000	-0.0000					0.0000
8	GLOBAL	0.0000	-0.0000					-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.2187
10	GLOBAL	0.0004	0.0				-0.1741
11	GLOBAL	0.0004	0.0				0.0660
12	GLOBAL	0.0004	0.0				-0.0251
13	GLOBAL	0.0004	0.0				0.0101
14	GLOBAL	0.0004	0.0				-0.0053
15	GLOBAL	0.0	-0.0042				0.0195

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0012	0.0617				-0.2127
2	GLOBAL	-0.0001	0.0001				-0.2127
3	GLOBAL	0.0001	-0.0004				0.2130
4	GLOBAL	0.0001	0.0003				-0.0781
5	GLOBAL	0.0001	-0.0001				0.0283
6	GLOBAL	0.0001	0.0000				-0.0108
7	GLOBAL	0.0001	-0.0000				0.0053
8	GLOBAL	0.0001	0.0014				0.0053

LOADING - 28 FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0434	-0.5154				-1.4303
2	3	0.0434	0.5154				-6.2197
3	3	-1.2935	-0.0320				-3.1373
3	4	1.2935	0.0320				2.6630
4	4	-0.0797	0.6144				6.5008
4	15	0.0797	-0.6144				-1.9473
5	5	-0.0092	-0.2149				-2.3003
5	6	0.0092	0.2149				-0.8885

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6	6	-0.0059	0.0691					0.8038
6	7	0.0059	-0.0691					0.2214
7	7	0.0000	0.0000					-0.0000
7	8	-0.0000	-0.0000					0.0000
8	2	-0.5144	0.0535					1.4303
8	9	0.5144	-0.0535					0.1115
9	3	0.5086	1.2403					9.3570
9	10	-0.5086	6.8838					-26.5074
10	4	0.6217	-1.2266					-9.1638
10	11	-0.6217	-6.8121					25.9743
11	5	-0.8308	-0.0135					-0.3192
11	12	0.8308	0.0135					-0.0582
12	6	0.2836	0.0025					0.0847
12	13	-0.2836	-0.0025					-0.0154
13	7	-0.0687	-0.0092					-0.2214
13	14	0.0687	0.0092					-0.0442
14	9	0.0920	0.1206					-0.1115
14	10	-0.0920	-0.1206					1.9015
15	10	-6.7918	7.7696					24.6059
15	11	6.7918	7.6536					-23.7455
16	11	0.0203	-0.2060					-2.2288
16	12	-0.0203	0.2060					-0.8258
17	12	0.0068	0.0795					0.8839
17	13	-0.0068	-0.0795					0.2952
18	13	0.0092	-0.0159					-0.2798
18	14	-0.0092	0.0159					0.0442
19	15	-0.0327	0.6153					1.9473
19	5	0.0327	-0.6153					2.6195

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.0385	-0.3938				-0.0000
10	GLOBAL	-0.0000	8.1576				-0.0000
11	GLOBAL	0.0000	8.0693				-0.0000
12	GLOBAL	-0.0000	-0.5454				-0.0000
13	GLOBAL	0.0000	0.1883				0.0000
14	GLOBAL	0.0000	-0.0528				0.0000
15	GLOBAL	0.0469	-0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0				-0.0000
3	GLOBAL	-0.0000	0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	-0.0000	0.0000				0.0000

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RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				-0.0102
10	GLOBAL	-0.0000	0.0				0.0152
11	GLOBAL	0.0002	0.0				-0.0130
12	GLOBAL	0.0002	0.0				0.0054
13	GLOBAL	0.0002	0.0				-0.0024
14	GLOBAL	0.0002	0.0				0.0017
15	GLOBAL	0.0	0.0021				-0.0102

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0002	-0.0051				0.0177
2	GLOBAL	-0.0001	0.0000				0.0177
3	GLOBAL	-0.0001	-0.0000				-0.0387
4	GLOBAL	-0.0000	-0.0000				0.0374
5	GLOBAL	-0.0000	0.0001				-0.0136
6	GLOBAL	-0.0000	-0.0000				0.0049
7	GLOBAL	-0.0000	0.0000				-0.0021
8	GLOBAL	-0.0000	-0.0006				-0.0021

LOADING - 29 FLOOD FIRST INTERIOR CELL FULL DEPTH

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	0.0000				0.0000
1	2	-0.0000	-0.0000				0.0000
2	2	-0.0346	-2.2403				-4.9675
2	3	0.0346	2.2403				-28.2854
3	3	-7.2266	-0.1848				-14.9498
3	4	7.2266	0.1848				12.2092
4	4	-0.2111	2.8409				30.1710
4	15	0.2111	-2.8409				-9.1157
5	5	-0.0219	-1.0022				-10.8040
5	6	0.0219	1.0022				-4.0697
6	6	0.0005	0.2997				3.7236
6	7	-0.0005	-0.2997				0.7266
7	7	-0.0000	-0.0000				-0.0000
7	8	0.0000	0.0000				0.0000
8	2	-2.2392	0.0784				4.9675
8	9	2.2392	-0.0784				-2.7077

33003480

9	3	2.2007	7.1504					43.2352
9	10	-2.2007	15.4749					-68.4047
10	4	2.8831	-7.0753					-42.3803
10	11	-2.8831	-15.3122					67.0221
11	5	-3.8470	-0.0298					-1.1810
11	12	3.8470	0.0298					0.3488
12	6	1.3018	0.0036					0.3461
12	13	-1.3018	-0.0036					-0.2454
13	7	-0.2994	-0.0140					-0.7266
13	14	0.2994	0.0140					0.3225
14	9	0.2030	1.4385					2.7077
14	10	-0.2030	-1.4385					18.6400
15	10	-15.2719	13.0405					49.7647
15	11	15.2719	12.5264					-45.9529
16	11	0.0402	-1.9808					-21.0692
16	12	-0.0402	1.9808					-8.3068
17	12	0.0104	0.7344					7.9580
17	13	-0.0104	-0.7344					2.9409
18	13	0.0140	-0.2035					-2.6954
18	14	-0.0140	0.2035					-0.3225
19	15	-0.0977	2.8432					9.1157
19	5	0.0977	-2.8432					11.9851

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1246	-0.8007				-0.0000
10	GLOBAL	0.0000	13.8026				-0.0000
11	GLOBAL	-0.0000	13.4287				-0.0000
12	GLOBAL	-0.0000	-1.1317				-0.0000
13	GLOBAL	0.0000	0.3639				0.0000
14	GLOBAL	-0.0000	-0.0959				0.0000
15	GLOBAL	0.1133	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				0.0000
3	GLOBAL	-0.0000	-0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	0.0000	-0.0000				-0.0000
7	GLOBAL	-0.0000	0.0000				0.0000
8	GLOBAL	0.0000	0.0000				0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.

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9	GLOBAL	0.0	0.0	-0.0751
10	GLOBAL	-0.0000	0.0	0.1303
11	GLOBAL	0.0004	0.0	-0.1207
12	GLOBAL	0.0004	0.0	0.0467
13	GLOBAL	0.0004	0.0	-0.0192
14	GLOBAL	0.0004	0.0	0.0113
15	GLOBAL	0.0	0.0098	-0.0470

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT X DISP.	DISPLACEMENT Y DISP.	DISPLACEMENT Z DISP.	ROTATION X ROT.	ROTATION Y ROT.	ROTATION Z ROT.
1	GLOBAL	-0.0009	-0.0251				0.0873
2	GLOBAL	-0.0004	0.0001				0.0873
3	GLOBAL	-0.0004	-0.0002				-0.1817
4	GLOBAL	-0.0002	-0.0002				0.1744
5	GLOBAL	-0.0002	0.0003				-0.0644
6	GLOBAL	-0.0002	-0.0001				0.0240
7	GLOBAL	-0.0002	0.0000				-0.0109
8	GLOBAL	-0.0002	-0.0029				-0.0109

LOADING - 30 FLOOD MIDDLE CELL 17.42 FT OF DRAFT

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.0143	0.1783				0.4818
2	3	-0.0143	-0.1783				2.1651
3	3	0.0175	-0.5912				-2.4676
3	4	-0.0175	0.5912				-6.3023
4	4	-1.2192	-0.0100				-2.8495
4	15	1.2192	0.0100				2.7754
5	5	0.0109	0.5846				6.2307
5	6	-0.0109	-0.5846				2.4453
6	6	0.0090	-0.1754				-2.1330
6	7	-0.0090	0.1754				-0.4708
7	7	-0.0000	0.0000				0.0000
7	8	0.0000	-0.0000				-0.0000
8	2	0.1780	-0.0178				-0.4818
8	9	-0.1780	0.0178				-0.0307
9	3	-0.7695	0.0123				0.3025
9	10	0.7695	-0.0123				0.0473
10	4	0.6061	1.2247				9.1518
10	11	-0.6061	6.8141				-26.0181
11	5	0.5700	-1.2100				-8.9341
11	12	-0.5700	-6.7433				25.4896

33000483

12	6	-0.7594	-0.0133				-0.3123
12	13	0.7594	0.0133				-0.0602
13	7	0.1747	0.0175				0.4708
13	14	-0.1747	-0.0175				0.0337
14	9	0.0543	-0.0424				0.0307
14	10	-0.0543	0.0424				-0.6594
15	10	0.0665	0.1688				0.6121
15	11	-0.0665	-0.1688				1.8919
16	11	-6.7476	7.7363				24.1262
16	12	6.7476	7.6869				-23.7599
17	12	-0.0042	-0.1536				-1.7297
17	13	0.0042	0.1536				-0.5495
18	13	-0.0175	0.0388				0.6098
18	14	0.0175	-0.0388				-0.0337
19	15	-1.2058	-0.0097				-2.7754
19	5	1.2058	0.0097				2.7034

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.0720	0.1357				0.0000
10	GLOBAL	0.0000	-0.5583				-0.0000
11	GLOBAL	0.0000	8.1736				0.0000
12	GLOBAL	-0.0000	8.1033				0.0000
13	GLOBAL	0.0000	-0.5670				-0.0000
14	GLOBAL	-0.0000	0.1359				-0.0000
15	GLOBAL	0.0134	-0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	-0.0000				0.0000
3	GLOBAL	0.0000	0.0000				0.0000
4	GLOBAL	-0.0000	0.0000				0.0000
5	GLOBAL	-0.0000	0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	-0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0035
10	GLOBAL	-0.0000	0.0				-0.0052
11	GLOBAL	-0.0000	0.0				0.0115
12	GLOBAL	0.0002	0.0				-0.0106
13	GLOBAL	0.0002	0.0				0.0049

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14	GLOBAL	0.0002	0.0					-0.0032
15	GLOBAL	0.0	-0.0030					0.0002

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0001	0.0017				-0.0061
2	GLOBAL	0.0000	-0.0000				-0.0061
3	GLOBAL	0.0000	0.0001				0.0137
4	GLOBAL	0.0000	-0.0000				-0.0366
5	GLOBAL	0.0001	-0.0000				0.0362
6	GLOBAL	0.0001	0.0001				-0.0135
7	GLOBAL	0.0001	-0.0000				0.0060
8	GLOBAL	0.0001	0.0016				0.0060

LOADING - 31 FLOOD MIDDLE CELL FULL DEPTH

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	1	-0.0000	-0.0000				-0.0000
1	2	0.0000	0.0000				-0.0000
2	2	0.0041	0.7750				1.6241
2	3	-0.0041	-0.7750				9.8793
3	3	0.0474	-2.6833				-11.0055
3	4	-0.0474	2.6833				-28.7957
4	4	-7.0031	-0.0457				-13.1288
4	15	7.0031	0.0457				12.7897
5	5	0.0276	2.6540				28.4788
5	6	-0.0276	-2.6540				10.9084
6	6	-0.0140	-0.7711				-9.7851
6	7	0.0140	0.7711				-1.6644
7	7	-0.0000	-0.0000				-0.0000
7	8	0.0000	0.0000				-0.0000
8	2	0.7748	-0.0193				-1.6241
8	9	-0.7748	0.0193				1.0692
9	3	-3.4585	0.0262				1.1262
9	10	3.4585	-0.0262				-0.3795
10	4	2.7797	6.9957				41.9244
10	11	-2.7797	15.1450				-66.3985
11	5	2.5581	-6.9169				-40.9429
11	12	-2.5581	-14.9886				65.0243
12	6	-3.4250	-0.0263				-1.1233
12	13	3.4250	0.0263				0.3848
13	7	0.7709	0.0235				1.6644
13	14	-0.7709	-0.0235				-0.9884
14	9	0.1331	-0.5294				-1.0692
14	10	-0.1331	0.5294				-6.7868

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15	10	0.1593	1.7949					7.1663
15	11	-0.1593	-1.7949					19.4520
16	11	-14.9857	12.7059					46.9465
16	12	14.9857	12.5791					-46.0063
17	12	0.0028	-1.7531					-19.0180
17	13	-0.0028	1.7531					-6.9973
18	13	-0.0235	0.5125					6.6125
18	14	0.0235	-0.5125					0.9884
19	15	-6.9202	-0.0439					-12.7897
19	5	6.9202	0.0439					12.4642

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	0.1524	0.2454				0.0000
10	GLOBAL	-0.0000	-1.1342				-0.0000
11	GLOBAL	0.0000	13.6907				0.0000
12	GLOBAL	-0.0000	13.3842				0.0000
13	GLOBAL	-0.0000	-1.1594				-0.0000
14	GLOBAL	0.0000	0.2584				-0.0000
15	GLOBAL	0.0829	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	-0.0000	-0.0000				-0.0000
2	GLOBAL	0.0000	0.0000				-0.0000
3	GLOBAL	-0.0000	-0.0000				0.0000
4	GLOBAL	0.0000	-0.0000				0.0000
5	GLOBAL	-0.0000	-0.0000				-0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				-0.0000
8	GLOBAL	0.0000	0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0268
10	GLOBAL	-0.0000	0.0				-0.0470
11	GLOBAL	-0.0000	0.0				0.1141
12	GLOBAL	0.0004	0.0				-0.1117
13	GLOBAL	0.0004	0.0				0.0462
14	GLOBAL	0.0004	0.0				-0.0264
15	GLOBAL	0.0	-0.0139				0.0008

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

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JOINT		DISPLACEMENT X DISP.	Y DISP.	Z DISP.	ROTATION X ROT.	Y ROT.	Z ROT.
1	GLOBAL	0.0004	0.0087				-0.0302
2	GLOBAL	0.0002	-0.0000				-0.0302
3	GLOBAL	0.0002	0.0003				0.0647
4	GLOBAL	0.0002	-0.0002				-0.1685
5	GLOBAL	0.0004	-0.0002				0.1667
6	GLOBAL	0.0004	0.0003				-0.0641
7	GLOBAL	0.0004	-0.0000				0.0297
8	GLOBAL	0.0004	0.0079				0.0297

LOADING - 32 TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	SHEAR Y	SHEAR Z	MOMENT TORSIONAL	BENDING Y	BENDING Z
1	1	0.0000	-0.0000				0.0000
1	2	-0.0000	0.0000				-0.0000
2	2	0.3778	0.5317				5.7268
2	3	-0.3778	-0.5317				2.1653
3	3	0.4772	-0.0760				-0.9334
3	4	-0.4772	0.0760				-0.1935
4	4	0.4791	-0.0037				0.2435
4	15	-0.4791	0.0037				-0.2707
5	5	0.4792	0.0598				0.1378
5	6	-0.4792	-0.0598				0.7497
6	6	0.3584	-0.5183				-2.0708
6	7	-0.3584	0.5183				-5.6249
7	7	0.0000	-0.0000				0.0000
7	8	-0.0000	0.0000				-0.0000
8	2	0.5242	-0.3881				-5.7268
8	9	-0.5242	0.3881				-5.4577
9	3	-0.6098	-0.0874				-1.2319
9	10	0.6098	0.0874				-1.2628
10	4	0.0722	-0.0034				-0.0500
10	11	-0.0722	0.0034				-0.0455
11	5	0.0786	0.0107				0.1585
11	12	-0.0786	-0.0107				0.1414
12	6	-0.5656	0.0954				1.3212
12	13	0.5656	-0.0954				1.3596
13	7	0.5003	0.3831				5.6249
13	14	-0.5003	-0.3831				5.4155
14	9	-0.3984	0.5344				5.4577
14	10	0.3984	-0.5344				2.4732
15	10	-0.4858	-0.0999				-1.2104
15	11	0.4858	0.0999				-0.2707
16	11	-0.4892	-0.0019				0.3162
16	12	0.4892	0.0019				-0.3446
17	12	-0.4785	0.0895				0.2032
17	13	0.4785	-0.0895				1.1243

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18	13	-0.3831	-0.5327				-2.4839
18	14	0.3831	0.5327				-5.4155
19	15	0.4894	-0.0035				0.2706
19	5	-0.4894	0.0035				-0.2964

RESULTANT JOINT LOADS - SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
9	GLOBAL	-0.0103	1.0587				-0.0000
10	GLOBAL	0.0000	-1.2441				0.0000
11	GLOBAL	-0.0000	0.1702				-0.0000
12	GLOBAL	-0.0000	0.1700				-0.0000
13	GLOBAL	0.0	-1.1877				0.0000
14	GLOBAL	-0.0000	1.0330				0.0000
15	GLOBAL	0.0103	0.0000				-0.0000

RESULTANT JOINT LOADS - FREE JOINTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1	GLOBAL	0.0000	-0.0000				0.0000
2	GLOBAL	-0.0000	0.0000				-0.0000
3	GLOBAL	0.0000	-0.0000				0.0000
4	GLOBAL	-0.0000	0.0000				-0.0000
5	GLOBAL	0.0000	0.0000				0.0000
6	GLOBAL	-0.0000	0.0000				0.0000
7	GLOBAL	0.0000	-0.0000				0.0000
8	GLOBAL	-0.0000	0.0000				-0.0000

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
9	GLOBAL	0.0	0.0				0.0229
10	GLOBAL	0.0000	0.0				-0.0080
11	GLOBAL	0.0000	0.0				0.0043
12	GLOBAL	0.0000	0.0				-0.0044
13	GLOBAL	0.0000	0.0				0.0077
14	GLOBAL	0.0001	0.0				-0.0226
15	GLOBAL	0.0	0.0003				0.0005

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT		DISPLACEMENT			ROTATION		
		X DISP.	Y DISP.	Z DISP.	X ROT.	Y ROT.	Z ROT.
1	GLOBAL	-0.0341	-0.0048				0.0172
2	GLOBAL	-0.0234	-0.0000				0.0172

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3	GLOBAL	-0.0119	0.0000	-0.0057
4	GLOBAL	-0.0026	-0.0000	0.0040
5	GLOBAL	0.0036	-0.0000	-0.0031
6	GLOBAL	0.0130	0.0000	0.0049
7	GLOBAL	0.0234	-0.0000	-0.0181
8	GLOBAL	0.0299	-0.0050	-0.0181

33003488

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LIST SEC FOR ALL MEM SEC FRA DS 0.0 0.1
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33003489

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*RESULTS OF LATEST ANALYSES*
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PROBLEM - TRANSV TITLE - PORTION RDWY PONTOON D NEAR WALL 5

ACTIVE UNITS FEET KIP DEG DEGF SEC

ACTIVE STRUCTURE TYPE PLANE FRAME

ACTIVE COORDINATE AXES X Y

INTERNAL MEMBER RESULTS

MEMBER SECTION FORCES

MEMBER 1

LOADING 1 DEAD LOAD

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0003	0.0145	0.0	0.0	0.0	-0.0000
0.100		-0.0052	0.2549	0.0	0.0	0.0	-0.2234
0.200		-0.0102	0.4953	0.0	0.0	0.0	-0.8454
0.300		-0.0151	0.7357	0.0	0.0	0.0	-1.8662
0.400		-0.0200	0.9761	0.0	0.0	0.0	-3.2856
0.500		-0.0249	1.2165	0.0	0.0	0.0	-5.1037
0.600		-0.0312	1.5193	0.0	0.0	0.0	-7.3618
0.700		-0.0450	2.1965	0.0	0.0	0.0	-10.5611
0.800		-0.0516	2.5149	0.0	0.0	0.0	-14.4677
0.900		-0.0581	2.8332	0.0	0.0	0.0	-18.9022
1.000		-0.0646	3.1516	0.0	0.0	0.0	-23.8646

LOADING 2 HS-20 #1 LT CANT & PEDESTRIAN

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.0000	-0.0003	0.0	0.0	0.0	-0.0000

33003490

0.100	-0.0029	0.1406	0.0	0.0	0.0	-0.1164
0.200	-0.0058	0.2816	0.0	0.0	0.0	-0.4664
0.300	-0.0087	0.4225	0.0	0.0	0.0	-1.0502
0.400	-0.0116	0.5634	0.0	0.0	0.0	-1.8677
0.500	-0.0144	0.7044	0.0	0.0	0.0	-2.9189
0.600	-0.0173	0.8453	0.0	0.0	0.0	-4.2039
0.700	-0.0173	0.8453	0.0	0.0	0.0	-5.6056
0.800	-0.0553	2.6949	0.0	0.0	0.0	-8.8880
0.900	-0.0553	2.6949	0.0	0.0	0.0	-13.3571
1.000	-0.0553	2.6949	0.0	0.0	0.0	-17.8261

LOADING 3 HS-20 #2 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200	-0.0258	1.2597	0.0	0.0	0.0	-0.2982
0.300	-0.0258	1.2597	0.0	0.0	0.0	-2.3872
0.400	-0.0258	1.2597	0.0	0.0	0.0	-4.4763
0.500	-0.0258	1.2597	0.0	0.0	0.0	-6.5654
0.600	-0.0517	2.5195	0.0	0.0	0.0	-9.7505
0.700	-0.0517	2.5195	0.0	0.0	0.0	-13.9287
0.800	-0.0517	2.5195	0.0	0.0	0.0	-18.1068
0.900	-0.0517	2.5195	0.0	0.0	0.0	-22.2850
1.000	-0.0517	2.5195	0.0	0.0	0.0	-26.4631

LOADING 4 HS-20 #3 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200	-0.0258	1.2597	0.0	0.0	0.0	-0.2982
0.300	-0.0258	1.2597	0.0	0.0	0.0	-2.3872
0.400	-0.0258	1.2597	0.0	0.0	0.0	-4.4763
0.500	-0.0258	1.2597	0.0	0.0	0.0	-6.5654
0.600	-0.0517	2.5195	0.0	0.0	0.0	-9.7505
0.700	-0.0517	2.5195	0.0	0.0	0.0	-13.9287
0.800	-0.0517	2.5195	0.0	0.0	0.0	-18.1068
0.900	-0.0517	2.5195	0.0	0.0	0.0	-22.2850
1.000	-0.0517	2.5195	0.0	0.0	0.0	-26.4631

LOADING 5 HS-20 #4 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200	-0.0258	1.2597	0.0	0.0	0.0	-0.2982
0.300	-0.0258	1.2597	0.0	0.0	0.0	-2.3872
0.400	-0.0258	1.2597	0.0	0.0	0.0	-4.4763
0.500	-0.0258	1.2597	0.0	0.0	0.0	-6.5654
0.600	-0.0517	2.5195	0.0	0.0	0.0	-9.7505

33003491

0.700	-0.0517	2.5195	0.0	0.0	0.0	-13.9287
0.800	-0.0517	2.5195	0.0	0.0	0.0	-18.1068
0.900	-0.0517	2.5195	0.0	0.0	0.0	-22.2850
1.000	-0.0517	2.5195	0.0	0.0	0.0	-26.4631

LOADING 6 HS-20 #5 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200	-0.0258	1.2597	0.0	0.0	0.0	-0.2982
0.300	-0.0258	1.2597	0.0	0.0	0.0	-2.3872
0.400	-0.0258	1.2597	0.0	0.0	0.0	-4.4763
0.500	-0.0258	1.2597	0.0	0.0	0.0	-6.5654
0.600	-0.0517	2.5195	0.0	0.0	0.0	-9.7505
0.700	-0.0517	2.5195	0.0	0.0	0.0	-13.9287
0.800	-0.0517	2.5195	0.0	0.0	0.0	-18.1068
0.900	-0.0517	2.5195	0.0	0.0	0.0	-22.2850
1.000	-0.0517	2.5195	0.0	0.0	0.0	-26.4631

LOADING 7 HS-20 #6 EXT CELL & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 8 HS-20 #7 EXT CELL & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	0.0000	0.0000	0.0	0.0	0.0	-0.0000

33003492

LOADING 9 HS-20 #8 LT CANT & EXT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200		-0.0258	1.2597	0.0	0.0	0.0	-0.2982
0.300		-0.0258	1.2597	0.0	0.0	0.0	-2.3872
0.400		-0.0258	1.2597	0.0	0.0	0.0	-4.4763
0.500		-0.0258	1.2597	0.0	0.0	0.0	-6.5654
0.600		-0.0517	2.5195	0.0	0.0	0.0	-9.7505
0.700		-0.0517	2.5195	0.0	0.0	0.0	-13.9287
0.800		-0.0517	2.5195	0.0	0.0	0.0	-18.1068
0.900		-0.0517	2.5195	0.0	0.0	0.0	-22.2850
1.000		-0.0517	2.5195	0.0	0.0	0.0	-26.4631

LOADING 10 HS-20 #9 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		-0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 11 HS-20 #10 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	-0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 12 HS-20 #11 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000

33003493

0.100	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 13 HS-20 #12 EXT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 14 HS-20 #13 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 15 HS-20 #14 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.300	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

33003494

0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 16 HS-20 #15 LT. CANT. SLAB

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 17 HS-20 #16 RT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 18 R R TRANSIT #1 RT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

33003495

LOADING 19 R R TRANSIT #2 INT & EXT CELLS

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000		-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 20 R R TRANSIT #3 RT CANT & EXT CELL

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 21 R R TRANSIT #4 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 22 R R TRANSIT #5 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000

33003496

0.100	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 23 HYDROSTATIC PRESSURE 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		-0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		-0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 24 WAVE FORCE PLUS HYDROSTATIC PRESSURE

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000		-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 25 WAVE FORCE

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200		-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.300		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600		-0.0000	-0.0000	0.0	0.0	0.0	0.0000

33003497

0.700	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900	-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000	-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 26 FLOOD EXTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 27 FLOOD EXTERIOR CELL FULL DEPTH

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 28 FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.200		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000		-0.0000	-0.0000	0.0	0.0	0.0	0.0000

33003498

LOADING 29 FLOOD FIRST INTERIOR CELL FULL DEPTH

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.100		-0.0000	-0.0000	0.0	0.0	0.0	-0.0000
0.200		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.300		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.400		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.500		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.600		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.700		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.800		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
0.900		-0.0000	-0.0000	0.0	0.0	0.0	0.0000
1.000		-0.0000	-0.0000	0.0	0.0	0.0	0.0000

LOADING 30 FLOOD MIDDLE CELL 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 31 FLOOD MIDDLE CELL FULL DEPTH

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	0.0000	0.0000	0.0	0.0	0.0	0.0000
0.100		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.200		0.0000	0.0000	0.0	0.0	0.0	0.0000
0.300		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800		0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900		0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000		0.0000	0.0000	0.0	0.0	0.0	-0.0000

LOADING 32 TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0000	0.0000	0.0	0.0	0.0	-0.0000

33003499

0.100	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.200	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.300	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.400	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.500	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.600	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.700	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.800	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
0.900	-0.0000	0.0000	0.0	0.0	0.0	-0.0000
1.000	-0.0000	0.0000	0.0	0.0	0.0	-0.0000

MEMBER 2

LOADING 1 DEAD LOAD

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.2466	-2.7278	0.0	0.0	0.0	-19.4361
0.100		0.2410	-2.4428	0.0	0.0	0.0	-15.5987
0.200		0.2355	-2.1579	0.0	0.0	0.0	-12.1843
0.300		0.2299	-1.8730	0.0	0.0	0.0	-9.1928
0.400		0.2243	-1.5881	0.0	0.0	0.0	-6.6242
0.500		0.2188	-1.3031	0.0	0.0	0.0	-4.4786
0.600		0.2147	-1.0969	0.0	0.0	0.0	-2.6974
0.700		0.2107	-0.8906	0.0	0.0	0.0	-1.2225
0.800		0.2064	-0.6701	0.0	0.0	0.0	-0.0558
0.900		0.2010	-0.3926	0.0	0.0	0.0	0.7328
1.000		0.1956	-0.1150	0.0	0.0	0.0	1.1095

LOADING 2 HS-20 #1 LT CANT & PEDESTRIAN

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.2484	-5.5875	0.0	0.0	0.0	-15.0880
0.100		0.2484	-5.5875	0.0	0.0	0.0	-6.7946
0.200		0.1507	-0.5884	0.0	0.0	0.0	-4.9928
0.300		0.1507	-0.5884	0.0	0.0	0.0	-4.1195
0.400		0.1507	-0.5884	0.0	0.0	0.0	-3.2461
0.500		0.1507	-0.5884	0.0	0.0	0.0	-2.3727
0.600		0.1507	-0.5884	0.0	0.0	0.0	-1.4993
0.700		0.1507	-0.5884	0.0	0.0	0.0	-0.6259
0.800		0.1507	-0.5884	0.0	0.0	0.0	0.2475
0.900		0.1507	-0.5884	0.0	0.0	0.0	1.1209
1.000		0.1507	-0.5884	0.0	0.0	0.0	1.9942

LOADING 3 HS-20 #2 LT CANT & INT CELL

DISTANCE FROM START	AXIAL	FORCE Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING

33003500

0.0 FR	0.4392	-1.2706	0.0	0.0	0.0	-18.2628
0.100	0.4392	-1.2706	0.0	0.0	0.0	-16.3769
0.200	0.4392	-1.2706	0.0	0.0	0.0	-14.4909
0.300	0.4392	-1.2706	0.0	0.0	0.0	-12.6050
0.400	0.4392	-1.2706	0.0	0.0	0.0	-10.7190
0.500	0.4392	-1.2706	0.0	0.0	0.0	-8.8330
0.600	0.4392	-1.2706	0.0	0.0	0.0	-6.9471
0.700	0.4392	-1.2706	0.0	0.0	0.0	-5.0611
0.800	0.4392	-1.2706	0.0	0.0	0.0	-3.1752
0.900	0.4392	-1.2706	0.0	0.0	0.0	-1.2892
1.000	0.4392	-1.2706	0.0	0.0	0.0	0.5968

LOADING 4 HS-20 #3 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	0.4448	-1.2442	0.0	0.0	0.0	-18.1407
0.100	0.4448	-1.2442	0.0	0.0	0.0	-16.2939
0.200	0.4448	-1.2442	0.0	0.0	0.0	-14.4471
0.300	0.4448	-1.2442	0.0	0.0	0.0	-12.6003
0.400	0.4448	-1.2442	0.0	0.0	0.0	-10.7535
0.500	0.4448	-1.2442	0.0	0.0	0.0	-8.9067
0.600	0.4448	-1.2442	0.0	0.0	0.0	-7.0599
0.700	0.4448	-1.2442	0.0	0.0	0.0	-5.2132
0.800	0.4448	-1.2442	0.0	0.0	0.0	-3.3664
0.900	0.4448	-1.2442	0.0	0.0	0.0	-1.5196
1.000	0.4448	-1.2442	0.0	0.0	0.0	0.3272

LOADING 5 HS-20 #4 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	0.4322	-1.3401	0.0	0.0	0.0	-18.4290
0.100	0.4322	-1.3401	0.0	0.0	0.0	-16.4400
0.200	0.4322	-1.3401	0.0	0.0	0.0	-14.4510
0.300	0.4322	-1.3401	0.0	0.0	0.0	-12.4620
0.400	0.4322	-1.3401	0.0	0.0	0.0	-10.4729
0.500	0.4322	-1.3401	0.0	0.0	0.0	-8.4839
0.600	0.4322	-1.3401	0.0	0.0	0.0	-6.4949
0.700	0.4322	-1.3401	0.0	0.0	0.0	-4.5059
0.800	0.4322	-1.3401	0.0	0.0	0.0	-2.5169
0.900	0.4322	-1.3401	0.0	0.0	0.0	-0.5278
1.000	0.4322	-1.3401	0.0	0.0	0.0	1.4612

LOADING 6 HS-20 #5 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	0.4271	-1.3773	0.0	0.0	0.0	-18.5450
0.100	0.4271	-1.3773	0.0	0.0	0.0	-16.5007
0.200	0.4271	-1.3773	0.0	0.0	0.0	-14.4564
0.300	0.4271	-1.3773	0.0	0.0	0.0	-12.4121
0.400	0.4271	-1.3773	0.0	0.0	0.0	-10.3678
0.500	0.4271	-1.3773	0.0	0.0	0.0	-8.3235

33003501

0.600	0.4271	-1.3773	0.0	0.0	0.0	-6.2793
0.700	0.4271	-1.3773	0.0	0.0	0.0	-4.2350
0.800	0.4271	-1.3773	0.0	0.0	0.0	-2.1907
0.900	0.4271	-1.3773	0.0	0.0	0.0	-0.1464
1.000	0.4271	-1.3773	0.0	0.0	0.0	1.8979

LOADING 7 HS-20 #6 EXT CELL & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1238	-4.3655	0.0	0.0	0.0	-4.1654
0.100		-0.1907	-0.9462	0.0	0.0	0.0	2.2997
0.200		-0.1907	-0.9462	0.0	0.0	0.0	3.7041
0.300		-0.1907	-0.9462	0.0	0.0	0.0	5.1085
0.400		-0.1907	-0.9462	0.0	0.0	0.0	6.5129
0.500		-0.1907	-0.9462	0.0	0.0	0.0	7.9173
0.600		-0.2407	1.6133	0.0	0.0	0.0	5.6726
0.700		-0.2407	1.6133	0.0	0.0	0.0	3.2780
0.800		-0.2407	1.6133	0.0	0.0	0.0	0.8833
0.900		-0.2407	1.6133	0.0	0.0	0.0	-1.5113
1.000		-0.2407	1.6133	0.0	0.0	0.0	-3.9059

LOADING 8 HS-20 #7 EXT CELL & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1538	-2.8376	0.0	0.0	0.0	-4.1720
0.100		-0.1538	-2.8376	0.0	0.0	0.0	0.0398
0.200		-0.1538	-2.8376	0.0	0.0	0.0	4.2516
0.300		-0.2037	-0.2881	0.0	0.0	0.0	5.3712
0.400		-0.2037	-0.2881	0.0	0.0	0.0	5.7988
0.500		-0.2037	-0.2881	0.0	0.0	0.0	6.2264
0.600		-0.2037	-0.2881	0.0	0.0	0.0	6.6540
0.700		-0.2486	2.0115	0.0	0.0	0.0	4.4371
0.800		-0.2486	2.0115	0.0	0.0	0.0	1.4515
0.900		-0.2486	2.0115	0.0	0.0	0.0	-1.5341
1.000		-0.2486	2.0115	0.0	0.0	0.0	-4.5197

LOADING 9 HS-20 #8 LT CANT & EXT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.2144	-4.1263	0.0	0.0	0.0	-23.8539
0.100		0.2144	-4.1263	0.0	0.0	0.0	-17.7293
0.200		0.2144	-4.1263	0.0	0.0	0.0	-11.6046
0.300		0.1648	-1.5868	0.0	0.0	0.0	-5.4872
0.400		0.1648	-1.5868	0.0	0.0	0.0	-3.1319
0.500		0.1648	-1.5868	0.0	0.0	0.0	-0.7766
0.600		0.1648	-1.5868	0.0	0.0	0.0	1.5786
0.700		0.1648	-1.5868	0.0	0.0	0.0	3.9339
0.800		0.1077	1.3326	0.0	0.0	0.0	2.1312
0.900		0.1077	1.3326	0.0	0.0	0.0	0.1532
1.000		0.1077	1.3326	0.0	0.0	0.0	-1.8248

33003502

LOADING 10 HS-20 #9 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1049	-1.5074	0.0	0.0	0.0	-2.6296
0.100		-0.1049	-1.5074	0.0	0.0	0.0	-0.3922
0.200		-0.1049	-1.5074	0.0	0.0	0.0	1.8453
0.300		-0.1049	-1.5074	0.0	0.0	0.0	4.0827
0.400		-0.1592	1.2720	0.0	0.0	0.0	6.3004
0.500		-0.1592	1.2720	0.0	0.0	0.0	4.4123
0.600		-0.1592	1.2720	0.0	0.0	0.0	2.5243
0.700		-0.1592	1.2720	0.0	0.0	0.0	0.6362
0.800		-0.1592	1.2720	0.0	0.0	0.0	-1.2519
0.900		-0.2153	4.1415	0.0	0.0	0.0	-7.2390
1.000		-0.2153	4.1415	0.0	0.0	0.0	-13.3862

LOADING 11 HS-20 #10 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1550	-1.3349	0.0	0.0	0.0	-3.6243
0.100		-0.1550	-1.3349	0.0	0.0	0.0	-1.6430
0.200		-0.1550	-1.3349	0.0	0.0	0.0	0.3383
0.300		-0.1550	-1.3349	0.0	0.0	0.0	2.3197
0.400		-0.1550	-1.3349	0.0	0.0	0.0	4.3010
0.500		-0.1886	0.3848	0.0	0.0	0.0	6.2799
0.600		-0.1886	0.3848	0.0	0.0	0.0	5.7087
0.700		-0.1886	0.3848	0.0	0.0	0.0	5.1376
0.800		-0.1886	0.3848	0.0	0.0	0.0	4.5664
0.900		-0.1886	0.3848	0.0	0.0	0.0	3.9953
1.000		-0.3083	6.5136	0.0	0.0	0.0	-5.2961

LOADING 12 HS-20 #11 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1552	-1.3366	0.0	0.0	0.0	-3.6302
0.100		-0.1552	-1.3366	0.0	0.0	0.0	-1.6462
0.200		-0.1552	-1.3366	0.0	0.0	0.0	0.3378
0.300		-0.1552	-1.3366	0.0	0.0	0.0	2.3218
0.400		-0.1552	-1.3366	0.0	0.0	0.0	4.3057
0.500		-0.1888	0.3830	0.0	0.0	0.0	6.2872
0.600		-0.1888	0.3830	0.0	0.0	0.0	5.7187
0.700		-0.1888	0.3830	0.0	0.0	0.0	5.1502
0.800		-0.1888	0.3830	0.0	0.0	0.0	4.5817
0.900		-0.1888	0.3830	0.0	0.0	0.0	4.0132
1.000		-0.3086	6.5118	0.0	0.0	0.0	-5.2756

LOADING 13 HS-20 #12 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING

33003503

0.0 FR	-0.1523	-1.3152	0.0	0.0	0.0	-3.5623
0.100	-0.1523	-1.3152	0.0	0.0	0.0	-1.6101
0.200	-0.1523	-1.3152	0.0	0.0	0.0	0.3421
0.300	-0.1523	-1.3152	0.0	0.0	0.0	2.2942
0.400	-0.1523	-1.3152	0.0	0.0	0.0	4.2464
0.500	-0.1859	0.4044	0.0	0.0	0.0	6.1962
0.600	-0.1859	0.4044	0.0	0.0	0.0	5.5959
0.700	-0.1859	0.4044	0.0	0.0	0.0	4.9955
0.800	-0.1859	0.4044	0.0	0.0	0.0	4.3952
0.900	-0.1859	0.4044	0.0	0.0	0.0	3.7949
1.000	-0.3057	6.5333	0.0	0.0	0.0	-5.5256

LOADING 14 HS-20 #13 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0295	0.2056	0.0	0.0	0.0	0.6648
0.100	0.0295	0.2056	0.0	0.0	0.0	0.3597
0.200	0.0295	0.2056	0.0	0.0	0.0	0.0545
0.300	0.0295	0.2056	0.0	0.0	0.0	-0.2506
0.400	0.0295	0.2056	0.0	0.0	0.0	-0.5558
0.500	0.0295	0.2056	0.0	0.0	0.0	-0.8609
0.600	0.0295	0.2056	0.0	0.0	0.0	-1.1661
0.700	0.0295	0.2056	0.0	0.0	0.0	-1.4712
0.800	0.0295	0.2056	0.0	0.0	0.0	-1.7764
0.900	0.0295	0.2056	0.0	0.0	0.0	-2.0815
1.000	0.0295	0.2056	0.0	0.0	0.0	-2.3867

LOADING 15 HS-20 #14 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0292	0.2038	0.0	0.0	0.0	0.6590
0.100	0.0292	0.2038	0.0	0.0	0.0	0.3565
0.200	0.0292	0.2038	0.0	0.0	0.0	0.0540
0.300	0.0292	0.2038	0.0	0.0	0.0	-0.2485
0.400	0.0292	0.2038	0.0	0.0	0.0	-0.5511
0.500	0.0292	0.2038	0.0	0.0	0.0	-0.8536
0.600	0.0292	0.2038	0.0	0.0	0.0	-1.1561
0.700	0.0292	0.2038	0.0	0.0	0.0	-1.4586
0.800	0.0292	0.2038	0.0	0.0	0.0	-1.7611
0.900	0.0292	0.2038	0.0	0.0	0.0	-2.0636
1.000	0.0292	0.2038	0.0	0.0	0.0	-2.3661

LOADING 16 HS-20 #15 LT. CANT. SLAB

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0012	0.0178	0.0	0.0	0.0	0.0459
0.100	0.0012	0.0178	0.0	0.0	0.0	0.0194
0.200	0.0012	0.0178	0.0	0.0	0.0	-0.0070
0.300	0.0012	0.0178	0.0	0.0	0.0	-0.0334
0.400	0.0012	0.0178	0.0	0.0	0.0	-0.0599
0.500	0.0012	0.0178	0.0	0.0	0.0	-0.0863

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0.600	0.0012	0.0178	0.0	0.0	0.0	-0.1128
0.700	0.0012	0.0178	0.0	0.0	0.0	-0.1392
0.800	0.0012	0.0178	0.0	0.0	0.0	-0.1656
0.900	0.0012	0.0178	0.0	0.0	0.0	-0.1921
1.000	0.0012	0.0178	0.0	0.0	0.0	-0.2185

LOADING 17 HS-20 #16 RT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0007	0.0127	0.0	0.0	0.0	0.0316
0.100	0.0007	0.0127	0.0	0.0	0.0	0.0127
0.200	0.0007	0.0127	0.0	0.0	0.0	-0.0061
0.300	0.0007	0.0127	0.0	0.0	0.0	-0.0250
0.400	0.0007	0.0127	0.0	0.0	0.0	-0.0438
0.500	0.0007	0.0127	0.0	0.0	0.0	-0.0627
0.600	0.0007	0.0127	0.0	0.0	0.0	-0.0815
0.700	0.0007	0.0127	0.0	0.0	0.0	-0.1004
0.800	0.0007	0.0127	0.0	0.0	0.0	-0.1192
0.900	0.0007	0.0127	0.0	0.0	0.0	-0.1381
1.000	0.0007	0.0127	0.0	0.0	0.0	-0.1569

LOADING 18 R R TRANSIT #1 RT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0052	0.0537	0.0	0.0	0.0	0.1508
0.100	0.0052	0.0537	0.0	0.0	0.0	0.0711
0.200	0.0052	0.0537	0.0	0.0	0.0	-0.0085
0.300	0.0052	0.0537	0.0	0.0	0.0	-0.0881
0.400	0.0052	0.0537	0.0	0.0	0.0	-0.1678
0.500	0.0052	0.0537	0.0	0.0	0.0	-0.2474
0.600	0.0052	0.0537	0.0	0.0	0.0	-0.3270
0.700	0.0052	0.0537	0.0	0.0	0.0	-0.4067
0.800	0.0052	0.0537	0.0	0.0	0.0	-0.4863
0.900	0.0052	0.0537	0.0	0.0	0.0	-0.5660
1.000	0.0052	0.0537	0.0	0.0	0.0	-0.6456

LOADING 19 R R TRANSIT #2 INT & EXT CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0027	0.0208	0.0	0.0	0.0	0.0643
0.100	0.0027	0.0208	0.0	0.0	0.0	0.0333
0.200	0.0027	0.0208	0.0	0.0	0.0	0.0024
0.300	0.0027	0.0208	0.0	0.0	0.0	-0.0286
0.400	0.0027	0.0208	0.0	0.0	0.0	-0.0595
0.500	0.0027	0.0208	0.0	0.0	0.0	-0.0904
0.600	0.0027	0.0208	0.0	0.0	0.0	-0.1214
0.700	0.0027	0.0208	0.0	0.0	0.0	-0.1523
0.800	0.0027	0.0208	0.0	0.0	0.0	-0.1833
0.900	0.0027	0.0208	0.0	0.0	0.0	-0.2142
1.000	0.0027	0.0208	0.0	0.0	0.0	-0.2452

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LOADING 20 R R TRANSIT #3 RT CANT & EXT CELL

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0008	-0.0048	0.0	0.0	0.0	-0.0158
0.100		-0.0008	-0.0048	0.0	0.0	0.0	-0.0087
0.200		-0.0008	-0.0048	0.0	0.0	0.0	-0.0016
0.300		-0.0008	-0.0048	0.0	0.0	0.0	0.0055
0.400		-0.0008	-0.0048	0.0	0.0	0.0	0.0126
0.500		-0.0008	-0.0048	0.0	0.0	0.0	0.0197
0.600		-0.0008	-0.0048	0.0	0.0	0.0	0.0268
0.700		-0.0008	-0.0048	0.0	0.0	0.0	0.0339
0.800		-0.0008	-0.0048	0.0	0.0	0.0	0.0410
0.900		-0.0008	-0.0048	0.0	0.0	0.0	0.0481
1.000		-0.0008	-0.0048	0.0	0.0	0.0	0.0552

LOADING 21 R R TRANSIT #4 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0164	-0.1393	0.0	0.0	0.0	-0.4153
0.100		-0.0164	-0.1393	0.0	0.0	0.0	-0.2085
0.200		-0.0164	-0.1393	0.0	0.0	0.0	-0.0017
0.300		-0.0164	-0.1393	0.0	0.0	0.0	0.2052
0.400		-0.0164	-0.1393	0.0	0.0	0.0	0.4120
0.500		-0.0164	-0.1393	0.0	0.0	0.0	0.6188
0.600		-0.0164	-0.1393	0.0	0.0	0.0	0.8257
0.700		-0.0164	-0.1393	0.0	0.0	0.0	1.0325
0.800		-0.0164	-0.1393	0.0	0.0	0.0	1.2393
0.900		-0.0164	-0.1393	0.0	0.0	0.0	1.4462
1.000		-0.0164	-0.1393	0.0	0.0	0.0	1.6530

LOADING 22 R R TRANSIT #5 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0	FR	-0.0169	-0.1444	0.0	0.0	0.0	-0.4296
0.100		-0.0169	-0.1444	0.0	0.0	0.0	-0.2153
0.200		-0.0169	-0.1444	0.0	0.0	0.0	-0.0011
0.300		-0.0169	-0.1444	0.0	0.0	0.0	0.2132
0.400		-0.0169	-0.1444	0.0	0.0	0.0	0.4275
0.500		-0.0169	-0.1444	0.0	0.0	0.0	0.6417
0.600		-0.0169	-0.1444	0.0	0.0	0.0	0.8560
0.700		-0.0169	-0.1444	0.0	0.0	0.0	1.0703
0.800		-0.0169	-0.1444	0.0	0.0	0.0	1.2845
0.900		-0.0169	-0.1444	0.0	0.0	0.0	1.4988
1.000		-0.0169	-0.1444	0.0	0.0	0.0	1.7131

LOADING 23 HYDROSTATIC PRESSURE 17.42 FT DE DRAFT

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING

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0.0 FR	-0.6820	-0.4805	0.0	0.0	0.0	-5.5040
0.100	-0.6820	-0.4805	0.0	0.0	0.0	-4.7907
0.200	-0.6820	-0.4805	0.0	0.0	0.0	-4.0775
0.300	-0.6820	-0.4805	0.0	0.0	0.0	-3.3643
0.400	-0.6820	-0.4805	0.0	0.0	0.0	-2.6510
0.500	-0.6820	-0.4805	0.0	0.0	0.0	-1.9378
0.600	-0.6820	-0.4805	0.0	0.0	0.0	-1.2245
0.700	-0.6820	-0.4805	0.0	0.0	0.0	-0.5113
0.800	-0.6820	-0.4805	0.0	0.0	0.0	0.2020
0.900	-0.6820	-0.4805	0.0	0.0	0.0	0.9152
1.000	-0.6820	-0.4805	0.0	0.0	0.0	1.6284

LOADING 24 WAVE FORCE PLUS HYDROSTATIC PRESSURE

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-3.7758	-2.4146	0.0	0.0	0.0	-27.5372
0.100	-3.7758	-2.4146	0.0	0.0	0.0	-23.9532
0.200	-3.7758	-2.4146	0.0	0.0	0.0	-20.3692
0.300	-3.7758	-2.4146	0.0	0.0	0.0	-16.7851
0.400	-3.7758	-2.4146	0.0	0.0	0.0	-13.2011
0.500	-3.7758	-2.4146	0.0	0.0	0.0	-9.6171
0.600	-3.7758	-2.4146	0.0	0.0	0.0	-6.0331
0.700	-3.7758	-2.4146	0.0	0.0	0.0	-2.4491
0.800	-3.7758	-2.4146	0.0	0.0	0.0	1.1349
0.900	-3.7758	-2.4146	0.0	0.0	0.0	4.7189
1.000	-3.7758	-2.4146	0.0	0.0	0.0	8.3029

LOADING 25 WAVE FORCE

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-3.0938	-1.9341	0.0	0.0	0.0	-22.0332
0.100	-3.0938	-1.9341	0.0	0.0	0.0	-19.1624
0.200	-3.0938	-1.9341	0.0	0.0	0.0	-16.2917
0.300	-3.0938	-1.9341	0.0	0.0	0.0	-13.4209
0.400	-3.0938	-1.9341	0.0	0.0	0.0	-10.5501
0.500	-3.0938	-1.9341	0.0	0.0	0.0	-7.6794
0.600	-3.0938	-1.9341	0.0	0.0	0.0	-4.8086
0.700	-3.0938	-1.9341	0.0	0.0	0.0	-1.9378
0.800	-3.0938	-1.9341	0.0	0.0	0.0	0.9329
0.900	-3.0938	-1.9341	0.0	0.0	0.0	3.8037
1.000	-3.0938	-1.9341	0.0	0.0	0.0	6.6745

LOADING 26 FLOOD EXTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	0.9393	0.3293	0.0	0.0	0.0	6.9396
0.100	0.9393	0.3293	0.0	0.0	0.0	6.4508
0.200	0.9393	0.3293	0.0	0.0	0.0	5.9621
0.300	0.9393	0.3293	0.0	0.0	0.0	5.4734
0.400	0.9393	0.3293	0.0	0.0	0.0	4.9847
0.500	0.9393	0.3293	0.0	0.0	0.0	4.4960

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0.600	0.9393	0.3293	0.0	0.0	0.0	4.0072
0.700	0.9393	0.3293	0.0	0.0	0.0	3.5185
0.800	0.9393	0.3293	0.0	0.0	0.0	3.0298
0.900	0.9393	0.3293	0.0	0.0	0.0	2.5411
1.000	0.9393	0.3293	0.0	0.0	0.0	2.0524

LOADING 27 FLOOD EXTERIOR CELL FULL DEPTH

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	7.0069	2.4377	0.0	0.0	0.0	43.0335
0.100	7.0069	2.4377	0.0	0.0	0.0	39.4152
0.200	7.0069	2.4377	0.0	0.0	0.0	35.7970
0.300	7.0069	2.4377	0.0	0.0	0.0	32.1787
0.400	7.0069	2.4377	0.0	0.0	0.0	28.5605
0.500	7.0069	2.4377	0.0	0.0	0.0	24.9423
0.600	7.0069	2.4377	0.0	0.0	0.0	21.3240
0.700	7.0069	2.4377	0.0	0.0	0.0	17.7058
0.800	7.0069	2.4377	0.0	0.0	0.0	14.0875
0.900	7.0069	2.4377	0.0	0.0	0.0	10.4693
1.000	7.0069	2.4377	0.0	0.0	0.0	6.8510

LOADING 28 FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0434	0.5154	0.0	0.0	0.0	1.4303
0.100	0.0434	0.5154	0.0	0.0	0.0	0.6653
0.200	0.0434	0.5154	0.0	0.0	0.0	-0.0997
0.300	0.0434	0.5154	0.0	0.0	0.0	-0.8647
0.400	0.0434	0.5154	0.0	0.0	0.0	-1.6297
0.500	0.0434	0.5154	0.0	0.0	0.0	-2.3947
0.600	0.0434	0.5154	0.0	0.0	0.0	-3.1597
0.700	0.0434	0.5154	0.0	0.0	0.0	-3.9247
0.800	0.0434	0.5154	0.0	0.0	0.0	-4.6897
0.900	0.0434	0.5154	0.0	0.0	0.0	-5.4547
1.000	0.0434	0.5154	0.0	0.0	0.0	-6.2197

LOADING 29 FLOOD FIRST INTERIOR CELL FULL DEPTH

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0346	2.2403	0.0	0.0	0.0	4.9675
0.100	0.0346	2.2403	0.0	0.0	0.0	1.6422
0.200	0.0346	2.2403	0.0	0.0	0.0	-1.6831
0.300	0.0346	2.2403	0.0	0.0	0.0	-5.0084
0.400	0.0346	2.2403	0.0	0.0	0.0	-8.3337
0.500	0.0346	2.2403	0.0	0.0	0.0	-11.6590
0.600	0.0346	2.2403	0.0	0.0	0.0	-14.9843
0.700	0.0346	2.2403	0.0	0.0	0.0	-18.3096
0.800	0.0346	2.2403	0.0	0.0	0.0	-21.6348
0.900	0.0346	2.2403	0.0	0.0	0.0	-24.9601
1.000	0.0346	2.2403	0.0	0.0	0.0	-28.2854

33003508

LOADING 30 FLOOD MIDDLE CELL 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0143	-0.1783	0.0	0.0	0.0	-0.4818
0.100		-0.0143	-0.1783	0.0	0.0	0.0	-0.2171
0.200		-0.0143	-0.1783	0.0	0.0	0.0	0.0476
0.300		-0.0143	-0.1783	0.0	0.0	0.0	0.3123
0.400		-0.0143	-0.1783	0.0	0.0	0.0	0.5770
0.500		-0.0143	-0.1783	0.0	0.0	0.0	0.8417
0.600		-0.0143	-0.1783	0.0	0.0	0.0	1.1063
0.700		-0.0143	-0.1783	0.0	0.0	0.0	1.3710
0.800		-0.0143	-0.1783	0.0	0.0	0.0	1.6357
0.900		-0.0143	-0.1783	0.0	0.0	0.0	1.9004
1.000		-0.0143	-0.1783	0.0	0.0	0.0	2.1651

LOADING 31 FLOOD MIDDLE CELL FULL DEPTH

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0041	-0.7750	0.0	0.0	0.0	-1.6241
0.100		-0.0041	-0.7750	0.0	0.0	0.0	-0.4738
0.200		-0.0041	-0.7750	0.0	0.0	0.0	0.6766
0.300		-0.0041	-0.7750	0.0	0.0	0.0	1.8269
0.400		-0.0041	-0.7750	0.0	0.0	0.0	2.9772
0.500		-0.0041	-0.7750	0.0	0.0	0.0	4.1276
0.600		-0.0041	-0.7750	0.0	0.0	0.0	5.2779
0.700		-0.0041	-0.7750	0.0	0.0	0.0	6.4283
0.800		-0.0041	-0.7750	0.0	0.0	0.0	7.5786
0.900		-0.0041	-0.7750	0.0	0.0	0.0	8.7289
1.000		-0.0041	-0.7750	0.0	0.0	0.0	9.8793

LOADING 32 TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.3778	-0.5317	0.0	0.0	0.0	-5.7268
0.100		-0.3778	-0.5317	0.0	0.0	0.0	-4.9376
0.200		-0.3778	-0.5317	0.0	0.0	0.0	-4.1484
0.300		-0.3778	-0.5317	0.0	0.0	0.0	-3.3592
0.400		-0.3778	-0.5317	0.0	0.0	0.0	-2.5700
0.500		-0.3778	-0.5317	0.0	0.0	0.0	-1.7808
0.600		-0.3778	-0.5317	0.0	0.0	0.0	-0.9915
0.700		-0.3778	-0.5317	0.0	0.0	0.0	-0.2023
0.800		-0.3778	-0.5317	0.0	0.0	0.0	0.5869
0.900		-0.3778	-0.5317	0.0	0.0	0.0	1.3761
1.000		-0.3778	-0.5317	0.0	0.0	0.0	2.1653

MEMBER 3

33003509

LOADING 1 DEAD LOAD

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.1883	-0.8653	0.0	0.0	0.0	0.5437
0.100		0.1827	-0.5880	0.0	0.0	0.0	1.6215
0.200		0.1771	-0.3106	0.0	0.0	0.0	2.2880
0.300		0.1726	-0.0903	0.0	0.0	0.0	2.5769
0.400		0.1685	0.1159	0.0	0.0	0.0	2.5579
0.500		0.1643	0.3220	0.0	0.0	0.0	2.2332
0.600		0.1601	0.5281	0.0	0.0	0.0	1.6027
0.700		0.1559	0.7343	0.0	0.0	0.0	0.6664
0.800		0.1515	0.9546	0.0	0.0	0.0	-0.5777
0.900		0.1459	1.2320	0.0	0.0	0.0	-2.1994
1.000		0.1403	1.5093	0.0	0.0	0.0	-4.2325

LOADING 2 HS-20 #1 LT CANT & PEDESTRIAN

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.1253	0.1648	0.0	0.0	0.0	1.7542
0.100		0.1253	0.1648	0.0	0.0	0.0	1.5098
0.200		0.1253	0.1648	0.0	0.0	0.0	1.2653
0.300		0.1253	0.1648	0.0	0.0	0.0	1.0209
0.400		0.1253	0.1648	0.0	0.0	0.0	0.7764
0.500		0.1253	0.1648	0.0	0.0	0.0	0.5320
0.600		0.1253	0.1648	0.0	0.0	0.0	0.2875
0.700		0.1253	0.1648	0.0	0.0	0.0	0.0431
0.800		0.1253	0.1648	0.0	0.0	0.0	-0.2014
0.900		0.1253	0.1648	0.0	0.0	0.0	-0.4458
1.000		0.1253	0.1648	0.0	0.0	0.0	-0.6903

LOADING 3 HS-20 #2 LT CANT & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.4330	-4.8904	0.0	0.0	0.0	-1.0690
0.100		0.3358	-0.0814	0.0	0.0	0.0	6.1691
0.200		0.3358	-0.0814	0.0	0.0	0.0	6.2899
0.300		0.3358	-0.0814	0.0	0.0	0.0	6.4106
0.400		0.3358	-0.0814	0.0	0.0	0.0	6.5313
0.500		0.3358	-0.0814	0.0	0.0	0.0	6.6521
0.600		0.2961	1.8782	0.0	0.0	0.0	3.9905
0.700		0.2961	1.8782	0.0	0.0	0.0	1.2046
0.800		0.2961	1.8782	0.0	0.0	0.0	-1.5814
0.900		0.2961	1.8782	0.0	0.0	0.0	-4.3673
1.000		0.2961	1.8782	0.0	0.0	0.0	-7.1532

LOADING 4 HS-20 #3 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING

33003510

0.0	FR	0.3949	-2.7486	0.0	0.0	0.0	-1.3582
0.100		0.3949	-2.7486	0.0	0.0	0.0	2.7189
0.200		0.3949	-2.7486	0.0	0.0	0.0	6.7959
0.300		0.3381	0.0608	0.0	0.0	0.0	6.7152
0.400		0.3381	0.0608	0.0	0.0	0.0	6.6250
0.500		0.3381	0.0608	0.0	0.0	0.0	6.5348
0.600		0.2979	2.0504	0.0	0.0	0.0	4.5947
0.700		0.2979	2.0504	0.0	0.0	0.0	1.5533
0.800		0.2979	2.0504	0.0	0.0	0.0	-1.4881
0.900		0.2979	2.0504	0.0	0.0	0.0	-4.5294
1.000		0.2979	2.0504	0.0	0.0	0.0	-7.5708

LOADING 5 HS-20 #4 LT CANT & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.3587	-1.1851	0.0	0.0	0.0	-0.0310
0.100		0.3587	-1.1851	0.0	0.0	0.0	1.7268
0.200		0.3587	-1.1851	0.0	0.0	0.0	3.4846
0.300		0.3587	-1.1851	0.0	0.0	0.0	5.2424
0.400		0.3184	0.8045	0.0	0.0	0.0	6.8744
0.500		0.3184	0.8045	0.0	0.0	0.0	5.6810
0.600		0.3184	0.8045	0.0	0.0	0.0	4.4877
0.700		0.3184	0.8045	0.0	0.0	0.0	3.2943
0.800		0.3184	0.8045	0.0	0.0	0.0	2.1009
0.900		0.2616	3.6140	0.0	0.0	0.0	-3.2496
1.000		0.2616	3.6140	0.0	0.0	0.0	-8.6102

LOADING 6 HS-20 #5 LT CANT & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.3497	-0.8493	0.0	0.0	0.0	0.4774
0.100		0.3497	-0.8493	0.0	0.0	0.0	1.7371
0.200		0.3497	-0.8493	0.0	0.0	0.0	2.9968
0.300		0.3497	-0.8493	0.0	0.0	0.0	4.2565
0.400		0.3497	-0.8493	0.0	0.0	0.0	5.5162
0.500		0.3101	1.1103	0.0	0.0	0.0	6.6455
0.600		0.3101	1.1103	0.0	0.0	0.0	4.9986
0.700		0.3101	1.1103	0.0	0.0	0.0	3.3516
0.800		0.3101	1.1103	0.0	0.0	0.0	1.7046
0.900		0.3101	1.1103	0.0	0.0	0.0	0.0576
1.000		0.2128	5.9194	0.0	0.0	0.0	-8.7213

LOADING 7 HS-20 #6 EXT CELL & INT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1601	0.0474	0.0	0.0	0.0	-2.8753
0.100		-0.1601	0.0474	0.0	0.0	0.0	-2.9455
0.200		-0.1601	0.0474	0.0	0.0	0.0	-3.0158
0.300		-0.1601	0.0474	0.0	0.0	0.0	-3.0860
0.400		-0.1601	0.0474	0.0	0.0	0.0	-3.1563

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0.500	-0.1601	0.0474	0.0	0.0	0.0	-3.2265
0.600	-0.1601	0.0474	0.0	0.0	0.0	-3.2968
0.700	-0.1601	0.0474	0.0	0.0	0.0	-3.3670
0.800	-0.1601	0.0474	0.0	0.0	0.0	-3.4372
0.900	-0.1601	0.0474	0.0	0.0	0.0	-3.5075
1.000	-0.1601	0.0474	0.0	0.0	0.0	-3.5777

LOADING 8 HS-20 #7 EXT CELL & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.1549	-0.0022	0.0	0.0	0.0	-3.4048
0.100	-0.1549	-0.0022	0.0	0.0	0.0	-3.4014
0.200	-0.1549	-0.0022	0.0	0.0	0.0	-3.3981
0.300	-0.1549	-0.0022	0.0	0.0	0.0	-3.3948
0.400	-0.1549	-0.0022	0.0	0.0	0.0	-3.3915
0.500	-0.1549	-0.0022	0.0	0.0	0.0	-3.3882
0.600	-0.1549	-0.0022	0.0	0.0	0.0	-3.3849
0.700	-0.1549	-0.0022	0.0	0.0	0.0	-3.3816
0.800	-0.1549	-0.0022	0.0	0.0	0.0	-3.3783
0.900	-0.1549	-0.0022	0.0	0.0	0.0	-3.3750
1.000	-0.1549	-0.0022	0.0	0.0	0.0	-3.3717

LOADING 9 HS-20 #8 LT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.1527	-0.1452	0.0	0.0	0.0	-1.5463
0.100	0.1527	-0.1452	0.0	0.0	0.0	-1.3310
0.200	0.1527	-0.1452	0.0	0.0	0.0	-1.1157
0.300	0.1527	-0.1452	0.0	0.0	0.0	-0.9004
0.400	0.1527	-0.1452	0.0	0.0	0.0	-0.6851
0.500	0.1527	-0.1452	0.0	0.0	0.0	-0.4698
0.600	0.1527	-0.1452	0.0	0.0	0.0	-0.2545
0.700	0.1527	-0.1452	0.0	0.0	0.0	-0.0392
0.800	0.1527	-0.1452	0.0	0.0	0.0	0.1761
0.900	0.1527	-0.1452	0.0	0.0	0.0	0.3914
1.000	0.1527	-0.1452	0.0	0.0	0.0	0.6067

LOADING 10 HS-20 #9 EXT & INT CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0080	-6.0367	0.0	0.0	0.0	-13.2730
0.100	-0.1053	-1.2277	0.0	0.0	0.0	-4.3346
0.200	-0.1053	-1.2277	0.0	0.0	0.0	-2.5135
0.300	-0.1053	-1.2277	0.0	0.0	0.0	-0.6924
0.400	-0.1053	-1.2277	0.0	0.0	0.0	1.1287
0.500	-0.1053	-1.2277	0.0	0.0	0.0	2.9498
0.600	-0.1449	0.7319	0.0	0.0	0.0	1.9886
0.700	-0.1449	0.7319	0.0	0.0	0.0	0.9030
0.800	-0.1449	0.7319	0.0	0.0	0.0	-0.1825
0.900	-0.1449	0.7319	0.0	0.0	0.0	-1.2681
1.000	-0.1449	0.7319	0.0	0.0	0.0	-2.3537

33003512

LOADING 11 HS-20 #10 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1180	-0.0502	0.0	0.0	0.0	-4.0375
0.100		-0.1180	-0.0502	0.0	0.0	0.0	-3.9630
0.200		-0.1180	-0.0502	0.0	0.0	0.0	-3.8885
0.300		-0.1180	-0.0502	0.0	0.0	0.0	-3.8140
0.400		-0.1180	-0.0502	0.0	0.0	0.0	-3.7395
0.500		-0.1180	-0.0502	0.0	0.0	0.0	-3.6650
0.600		-0.1180	-0.0502	0.0	0.0	0.0	-3.5905
0.700		-0.1180	-0.0502	0.0	0.0	0.0	-3.5160
0.800		-0.1180	-0.0502	0.0	0.0	0.0	-3.4415
0.900		-0.1180	-0.0502	0.0	0.0	0.0	-3.3670
1.000		-0.1180	-0.0502	0.0	0.0	0.0	-3.2925

LOADING 12 HS-20 #11 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1180	-0.0532	0.0	0.0	0.0	-4.0138
0.100		-0.1180	-0.0532	0.0	0.0	0.0	-3.9349
0.200		-0.1180	-0.0532	0.0	0.0	0.0	-3.8560
0.300		-0.1180	-0.0532	0.0	0.0	0.0	-3.7770
0.400		-0.1180	-0.0532	0.0	0.0	0.0	-3.6981
0.500		-0.1180	-0.0532	0.0	0.0	0.0	-3.6192
0.600		-0.1180	-0.0532	0.0	0.0	0.0	-3.5402
0.700		-0.1180	-0.0532	0.0	0.0	0.0	-3.4613
0.800		-0.1180	-0.0532	0.0	0.0	0.0	-3.3823
0.900		-0.1180	-0.0532	0.0	0.0	0.0	-3.3034
1.000		-0.1180	-0.0532	0.0	0.0	0.0	-3.2245

LOADING 13 HS-20 #12 EXT & MID CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.1152	-0.1268	0.0	0.0	0.0	-4.3032
0.100		-0.1152	-0.1268	0.0	0.0	0.0	-4.1151
0.200		-0.1152	-0.1268	0.0	0.0	0.0	-3.9270
0.300		-0.1152	-0.1268	0.0	0.0	0.0	-3.7389
0.400		-0.1152	-0.1268	0.0	0.0	0.0	-3.5508
0.500		-0.1152	-0.1268	0.0	0.0	0.0	-3.3626
0.600		-0.1152	-0.1268	0.0	0.0	0.0	-3.1745
0.700		-0.1152	-0.1268	0.0	0.0	0.0	-2.9864
0.800		-0.1152	-0.1268	0.0	0.0	0.0	-2.7983
0.900		-0.1152	-0.1268	0.0	0.0	0.0	-2.6102
1.000		-0.1152	-0.1268	0.0	0.0	0.0	-2.4221

LOADING 14 HS-20 #13 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING

33003513

0.0 FR	0.0312	-0.8307	0.0	0.0	0.0	-2.7641
0.100	0.0312	-0.8307	0.0	0.0	0.0	-1.5319
0.200	0.0312	-0.8307	0.0	0.0	0.0	-0.2996
0.300	0.0312	-0.8307	0.0	0.0	0.0	0.9326
0.400	0.0312	-0.8307	0.0	0.0	0.0	2.1648
0.500	-0.0084	1.1289	0.0	0.0	0.0	3.2667
0.600	-0.0084	1.1289	0.0	0.0	0.0	1.5922
0.700	-0.0084	1.1289	0.0	0.0	0.0	-0.0822
0.800	-0.0084	1.1289	0.0	0.0	0.0	-1.7567
0.900	-0.0084	1.1289	0.0	0.0	0.0	-3.4311
1.000	-0.1057	5.9379	0.0	0.0	0.0	-12.2376

LOADING 15 HS-20 #14 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0312	-0.8337	0.0	0.0	0.0	-2.7404
0.100	0.0312	-0.8337	0.0	0.0	0.0	-1.5037
0.200	0.0312	-0.8337	0.0	0.0	0.0	-0.2671
0.300	0.0312	-0.8337	0.0	0.0	0.0	0.9696
0.400	0.0312	-0.8337	0.0	0.0	0.0	2.2062
0.500	-0.0085	1.1259	0.0	0.0	0.0	3.3126
0.600	-0.0085	1.1259	0.0	0.0	0.0	1.6425
0.700	-0.0085	1.1259	0.0	0.0	0.0	-0.0275
0.800	-0.0085	1.1259	0.0	0.0	0.0	-1.6975
0.900	-0.0085	1.1259	0.0	0.0	0.0	-3.3675
1.000	-0.1058	5.9349	0.0	0.0	0.0	-12.1695

LOADING 16 HS-20 #15 LT. CANT. SLAB

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0016	-0.0604	0.0	0.0	0.0	-0.2487
0.100	0.0016	-0.0604	0.0	0.0	0.0	-0.1591
0.200	0.0016	-0.0604	0.0	0.0	0.0	-0.0695
0.300	0.0016	-0.0604	0.0	0.0	0.0	0.0200
0.400	0.0016	-0.0604	0.0	0.0	0.0	0.1096
0.500	0.0016	-0.0604	0.0	0.0	0.0	0.1992
0.600	0.0016	-0.0604	0.0	0.0	0.0	0.2888
0.700	0.0016	-0.0604	0.0	0.0	0.0	0.3783
0.800	0.0016	-0.0604	0.0	0.0	0.0	0.4679
0.900	0.0016	-0.0604	0.0	0.0	0.0	0.5575
1.000	0.0016	-0.0604	0.0	0.0	0.0	0.6471

LOADING 17 HS-20 #16 RT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0011	-0.0433	0.0	0.0	0.0	-0.1779
0.100	0.0011	-0.0433	0.0	0.0	0.0	-0.1136
0.200	0.0011	-0.0433	0.0	0.0	0.0	-0.0494
0.300	0.0011	-0.0433	0.0	0.0	0.0	0.0148
0.400	0.0011	-0.0433	0.0	0.0	0.0	0.0791

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0.500	0.0011	-0.0433	0.0	0.0	0.0	0.1433
0.600	0.0011	-0.0433	0.0	0.0	0.0	0.2076
0.700	0.0011	-0.0433	0.0	0.0	0.0	0.2718
0.800	0.0011	-0.0433	0.0	0.0	0.0	0.3361
0.900	0.0011	-0.0433	0.0	0.0	0.0	0.4003
1.000	0.0011	-0.0433	0.0	0.0	0.0	0.4645

LOADING 18 R R TRANSIT #1 RT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0055	-0.1790	0.0	0.0	0.0	-0.7426
0.100	0.0055	-0.1790	0.0	0.0	0.0	-0.4771
0.200	0.0055	-0.1790	0.0	0.0	0.0	-0.2116
0.300	0.0055	-0.1790	0.0	0.0	0.0	0.0540
0.400	0.0055	-0.1790	0.0	0.0	0.0	0.3195
0.500	0.0055	-0.1790	0.0	0.0	0.0	0.5850
0.600	0.0055	-0.1790	0.0	0.0	0.0	0.8505
0.700	0.0055	-0.1790	0.0	0.0	0.0	1.1160
0.800	0.0055	-0.1790	0.0	0.0	0.0	1.3816
0.900	0.0055	-0.1790	0.0	0.0	0.0	1.6471
1.000	0.0055	-0.1790	0.0	0.0	0.0	1.9126

LOADING 19 R R TRANSIT #2 INT & EXT CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0025	-0.0682	0.0	0.0	0.0	-0.2856
0.100	0.0025	-0.0682	0.0	0.0	0.0	-0.1844
0.200	0.0025	-0.0682	0.0	0.0	0.0	-0.0831
0.300	0.0025	-0.0682	0.0	0.0	0.0	0.0181
0.400	0.0025	-0.0682	0.0	0.0	0.0	0.1193
0.500	0.0025	-0.0682	0.0	0.0	0.0	0.2205
0.600	0.0025	-0.0682	0.0	0.0	0.0	0.3218
0.700	0.0025	-0.0682	0.0	0.0	0.0	0.4230
0.800	0.0025	-0.0682	0.0	0.0	0.0	0.5242
0.900	0.0025	-0.0682	0.0	0.0	0.0	0.6254
1.000	0.0025	-0.0682	0.0	0.0	0.0	0.7267

LOADING 20 R R TRANSIT #3 RT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0006	0.0154	0.0	0.0	0.0	0.0651
0.100	-0.0006	0.0154	0.0	0.0	0.0	0.0422
0.200	-0.0006	0.0154	0.0	0.0	0.0	0.0193
0.300	-0.0006	0.0154	0.0	0.0	0.0	-0.0036
0.400	-0.0006	0.0154	0.0	0.0	0.0	-0.0265
0.500	-0.0006	0.0154	0.0	0.0	0.0	-0.0494
0.600	-0.0006	0.0154	0.0	0.0	0.0	-0.0723
0.700	-0.0006	0.0154	0.0	0.0	0.0	-0.0952
0.800	-0.0006	0.0154	0.0	0.0	0.0	-0.1180
0.900	-0.0006	0.0154	0.0	0.0	0.0	-0.1409
1.000	-0.0006	0.0154	0.0	0.0	0.0	-0.1638

33003515

LOADING 21 R R TRANSIT #4 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0157	0.4597	0.0	0.0	0.0	1.9140
0.100		-0.0157	0.4597	0.0	0.0	0.0	1.2320
0.200		-0.0157	0.4597	0.0	0.0	0.0	0.5501
0.300		-0.0157	0.4597	0.0	0.0	0.0	-0.1318
0.400		-0.0157	0.4597	0.0	0.0	0.0	-0.8138
0.500		-0.0157	0.4597	0.0	0.0	0.0	-1.4957
0.600		-0.0157	0.4597	0.0	0.0	0.0	-2.1776
0.700		-0.0157	0.4597	0.0	0.0	0.0	-2.8596
0.800		-0.0157	0.4597	0.0	0.0	0.0	-3.5415
0.900		-0.0157	0.4597	0.0	0.0	0.0	-4.2234
1.000		-0.0157	0.4597	0.0	0.0	0.0	-4.9054

LOADING 22 R R TRANSIT #5 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0163	0.4764	0.0	0.0	0.0	1.9832
0.100		-0.0163	0.4764	0.0	0.0	0.0	1.2766
0.200		-0.0163	0.4764	0.0	0.0	0.0	0.5699
0.300		-0.0163	0.4764	0.0	0.0	0.0	-0.1368
0.400		-0.0163	0.4764	0.0	0.0	0.0	-0.8434
0.500		-0.0163	0.4764	0.0	0.0	0.0	-1.5501
0.600		-0.0163	0.4764	0.0	0.0	0.0	-2.2567
0.700		-0.0163	0.4764	0.0	0.0	0.0	-2.9634
0.800		-0.0163	0.4764	0.0	0.0	0.0	-3.6700
0.900		-0.0163	0.4764	0.0	0.0	0.0	-4.3767
1.000		-0.0163	0.4764	0.0	0.0	0.0	-5.0833

LOADING 23 HYDROSTATIC PRESSURE 17.42 FT OF DRAFT

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.6974	0.1271	0.0	0.0	0.0	1.4731
0.100		-0.6974	0.1271	0.0	0.0	0.0	1.2846
0.200		-0.6974	0.1271	0.0	0.0	0.0	1.0960
0.300		-0.6974	0.1271	0.0	0.0	0.0	0.9075
0.400		-0.6974	0.1271	0.0	0.0	0.0	0.7189
0.500		-0.6974	0.1271	0.0	0.0	0.0	0.5304
0.600		-0.6974	0.1271	0.0	0.0	0.0	0.3419
0.700		-0.6974	0.1271	0.0	0.0	0.0	0.1533
0.800		-0.6974	0.1271	0.0	0.0	0.0	-0.0352
0.900		-0.6974	0.1271	0.0	0.0	0.0	-0.2237
1.000		-0.6974	0.1271	0.0	0.0	0.0	-0.4123

LOADING 24 WAVE FORCE PLUS HYDROSTATIC PRESSURE

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING

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0.0 FR	-3.8282	0.7190	0.0	0.0	0.0	7.7720
0.100	-3.8282	0.7190	0.0	0.0	0.0	6.7055
0.200	-3.8282	0.7190	0.0	0.0	0.0	5.6391
0.300	-3.8282	0.7190	0.0	0.0	0.0	4.5727
0.400	-3.8282	0.7190	0.0	0.0	0.0	3.5063
0.500	-3.8282	0.7190	0.0	0.0	0.0	2.4399
0.600	-3.8282	0.7190	0.0	0.0	0.0	1.3734
0.700	-3.8282	0.7190	0.0	0.0	0.0	0.3070
0.800	-3.8282	0.7190	0.0	0.0	0.0	-0.7594
0.900	-3.8282	0.7190	0.0	0.0	0.0	-1.8258
1.000	-3.8282	0.7190	0.0	0.0	0.0	-2.8922

LOADING 25 WAVE FORCE

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-3.1309	0.5918	0.0	0.0	0.0	6.2989
0.100	-3.1309	0.5918	0.0	0.0	0.0	5.4210
0.200	-3.1309	0.5918	0.0	0.0	0.0	4.5431
0.300	-3.1309	0.5918	0.0	0.0	0.0	3.6652
0.400	-3.1309	0.5918	0.0	0.0	0.0	2.7873
0.500	-3.1309	0.5918	0.0	0.0	0.0	1.9095
0.600	-3.1309	0.5918	0.0	0.0	0.0	1.0316
0.700	-3.1309	0.5918	0.0	0.0	0.0	0.1537
0.800	-3.1309	0.5918	0.0	0.0	0.0	-0.7242
0.900	-3.1309	0.5918	0.0	0.0	0.0	-1.6021
1.000	-3.1309	0.5918	0.0	0.0	0.0	-2.4800

LOADING 26 FLOOD EXTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-0.2575	-0.6691	0.0	0.0	0.0	-7.0964
0.100	-0.2575	-0.6691	0.0	0.0	0.0	-6.1040
0.200	-0.2575	-0.6691	0.0	0.0	0.0	-5.1116
0.300	-0.2575	-0.6691	0.0	0.0	0.0	-4.1192
0.400	-0.2575	-0.6691	0.0	0.0	0.0	-3.1267
0.500	-0.2575	-0.6691	0.0	0.0	0.0	-2.1343
0.600	-0.2575	-0.6691	0.0	0.0	0.0	-1.1419
0.700	-0.2575	-0.6691	0.0	0.0	0.0	-0.1495
0.800	-0.2575	-0.6691	0.0	0.0	0.0	0.8429
0.900	-0.2575	-0.6691	0.0	0.0	0.0	1.8354
1.000	-0.2575	-0.6691	0.0	0.0	0.0	2.8278

LOADING 27 FLOOD EXTERIOR CELL FULL DEPTH

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-0.1222	-3.4474	0.0	0.0	0.0	-36.6649
0.100	-0.1222	-3.4474	0.0	0.0	0.0	-31.5513
0.200	-0.1222	-3.4474	0.0	0.0	0.0	-26.4377
0.300	-0.1222	-3.4474	0.0	0.0	0.0	-21.3242
0.400	-0.1222	-3.4474	0.0	0.0	0.0	-16.2106

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0.500	-0.1222	-3.4474	0.0	0.0	0.0	-11.0971
0.600	-0.1222	-3.4474	0.0	0.0	0.0	-5.9835
0.700	-0.1222	-3.4474	0.0	0.0	0.0	-0.8699
0.800	-0.1222	-3.4474	0.0	0.0	0.0	4.2436
0.900	-0.1222	-3.4474	0.0	0.0	0.0	9.3572
1.000	-0.1222	-3.4474	0.0	0.0	0.0	14.4707

LOADING 28 FLOOD FIRST INTERIOR CELL 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	1.2935	0.0320	0.0	0.0	0.0	3.1373
0.100	1.2935	0.0320	0.0	0.0	0.0	3.0899
0.200	1.2935	0.0320	0.0	0.0	0.0	3.0424
0.300	1.2935	0.0320	0.0	0.0	0.0	2.9950
0.400	1.2935	0.0320	0.0	0.0	0.0	2.9476
0.500	1.2935	0.0320	0.0	0.0	0.0	2.9002
0.600	1.2935	0.0320	0.0	0.0	0.0	2.8527
0.700	1.2935	0.0320	0.0	0.0	0.0	2.8053
0.800	1.2935	0.0320	0.0	0.0	0.0	2.7579
0.900	1.2935	0.0320	0.0	0.0	0.0	2.7105
1.000	1.2935	0.0320	0.0	0.0	0.0	2.6630

LOADING 29 FLOOD FIRST INTERIOR CELL FULL DEPTH

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	7.2266	0.1848	0.0	0.0	0.0	14.9498
0.100	7.2266	0.1848	0.0	0.0	0.0	14.6757
0.200	7.2266	0.1848	0.0	0.0	0.0	14.4017
0.300	7.2266	0.1848	0.0	0.0	0.0	14.1276
0.400	7.2266	0.1848	0.0	0.0	0.0	13.8536
0.500	7.2266	0.1848	0.0	0.0	0.0	13.5795
0.600	7.2266	0.1848	0.0	0.0	0.0	13.3055
0.700	7.2266	0.1848	0.0	0.0	0.0	13.0314
0.800	7.2266	0.1848	0.0	0.0	0.0	12.7573
0.900	7.2266	0.1848	0.0	0.0	0.0	12.4833
1.000	7.2266	0.1848	0.0	0.0	0.0	12.2092

LOADING 30 FLOOD MIDDLE CELL 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0175	0.5912	0.0	0.0	0.0	2.4676
0.100	-0.0175	0.5912	0.0	0.0	0.0	1.5906
0.200	-0.0175	0.5912	0.0	0.0	0.0	0.7136
0.300	-0.0175	0.5912	0.0	0.0	0.0	-0.1634
0.400	-0.0175	0.5912	0.0	0.0	0.0	-1.0404
0.500	-0.0175	0.5912	0.0	0.0	0.0	-1.9173
0.600	-0.0175	0.5912	0.0	0.0	0.0	-2.7943
0.700	-0.0175	0.5912	0.0	0.0	0.0	-3.6713
0.800	-0.0175	0.5912	0.0	0.0	0.0	-4.5483
0.900	-0.0175	0.5912	0.0	0.0	0.0	-5.4253
1.000	-0.0175	0.5912	0.0	0.0	0.0	-6.3023

33003518

LOADING 31 FLOOD MIDDLE CELL FULL DEPTH

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0474	2.6833	0.0	0.0	0.0	11.0055
0.100		-0.0474	2.6833	0.0	0.0	0.0	7.0254
0.200		-0.0474	2.6833	0.0	0.0	0.0	3.0453
0.300		-0.0474	2.6833	0.0	0.0	0.0	-0.9349
0.400		-0.0474	2.6833	0.0	0.0	0.0	-4.9150
0.500		-0.0474	2.6833	0.0	0.0	0.0	-8.8951
0.600		-0.0474	2.6833	0.0	0.0	0.0	-12.8752
0.700		-0.0474	2.6833	0.0	0.0	0.0	-16.8553
0.800		-0.0474	2.6833	0.0	0.0	0.0	-20.8354
0.900		-0.0474	2.6833	0.0	0.0	0.0	-24.8155
1.000		-0.0474	2.6833	0.0	0.0	0.0	-28.7956

LOADING 32 TEMPERATURE INCREASE OF 35 DEGREES ON TOP SLAB

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.4772	0.0760	0.0	0.0	0.0	0.9334
0.100		-0.4772	0.0760	0.0	0.0	0.0	0.8207
0.200		-0.4772	0.0760	0.0	0.0	0.0	0.7080
0.300		-0.4772	0.0760	0.0	0.0	0.0	0.5953
0.400		-0.4772	0.0760	0.0	0.0	0.0	0.4826
0.500		-0.4772	0.0760	0.0	0.0	0.0	0.3699
0.600		-0.4772	0.0760	0.0	0.0	0.0	0.2572
0.700		-0.4772	0.0760	0.0	0.0	0.0	0.1446
0.800		-0.4772	0.0760	0.0	0.0	0.0	0.0319
0.900		-0.4772	0.0760	0.0	0.0	0.0	-0.0808
1.000		-0.4772	0.0760	0.0	0.0	0.0	-0.1935

MEMBER 4

LOADING 1 DEAD LOAD

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.2045	-1.1238	0.0	0.0	0.0	-3.9531
0.100		0.2017	-0.9852	0.0	0.0	0.0	-3.1716
0.200		0.1989	-0.8467	0.0	0.0	0.0	-2.4927
0.300		0.1961	-0.7081	0.0	0.0	0.0	-1.9166
0.400		0.1933	-0.5695	0.0	0.0	0.0	-1.4431
0.500		0.1909	-0.4523	0.0	0.0	0.0	-1.0676
0.600		0.1888	-0.3493	0.0	0.0	0.0	-0.7706
0.700		0.1867	-0.2463	0.0	0.0	0.0	-0.5499
0.800		0.1846	-0.1433	0.0	0.0	0.0	-0.4055
0.900		0.1826	-0.0403	0.0	0.0	0.0	-0.3375

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1.000	0.1805	0.0627	0.0	0.0	0.0	-0.3458

LOADING 2 HS-20 #1 LT CANT & PEDESTRIAN

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.1332	-0.0563	0.0	0.0	0.0	-0.6084
0.100	0.1332	-0.0563	0.0	0.0	0.0	-0.5667
0.200	0.1332	-0.0563	0.0	0.0	0.0	-0.5249
0.300	0.1332	-0.0563	0.0	0.0	0.0	-0.4831
0.400	0.1332	-0.0563	0.0	0.0	0.0	-0.4414
0.500	0.1332	-0.0563	0.0	0.0	0.0	-0.3996
0.600	0.1332	-0.0563	0.0	0.0	0.0	-0.3579
0.700	0.1332	-0.0563	0.0	0.0	0.0	-0.3161
0.800	0.1332	-0.0563	0.0	0.0	0.0	-0.2743
0.900	0.1332	-0.0563	0.0	0.0	0.0	-0.2326
1.000	0.1332	-0.0563	0.0	0.0	0.0	-0.1908

LOADING 3 HS-20 #2 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.3913	-0.5845	0.0	0.0	0.0	-6.2287
0.100	0.3913	-0.5845	0.0	0.0	0.0	-5.7955
0.200	0.3913	-0.5845	0.0	0.0	0.0	-5.3623
0.300	0.3913	-0.5845	0.0	0.0	0.0	-4.9291
0.400	0.3913	-0.5845	0.0	0.0	0.0	-4.4959
0.500	0.3913	-0.5845	0.0	0.0	0.0	-4.0627
0.600	0.3913	-0.5845	0.0	0.0	0.0	-3.6296
0.700	0.3913	-0.5845	0.0	0.0	0.0	-3.1964
0.800	0.3913	-0.5845	0.0	0.0	0.0	-2.7632
0.900	0.3913	-0.5845	0.0	0.0	0.0	-2.3300
1.000	0.3913	-0.5845	0.0	0.0	0.0	-1.8968

LOADING 4 HS-20 #3 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.4001	-0.6184	0.0	0.0	0.0	-6.5899
0.100	0.4001	-0.6184	0.0	0.0	0.0	-6.1316
0.200	0.4001	-0.6184	0.0	0.0	0.0	-5.6733
0.300	0.4001	-0.6184	0.0	0.0	0.0	-5.2150
0.400	0.4001	-0.6184	0.0	0.0	0.0	-4.7566
0.500	0.4001	-0.6184	0.0	0.0	0.0	-4.2983
0.600	0.4001	-0.6184	0.0	0.0	0.0	-3.8400
0.700	0.4001	-0.6184	0.0	0.0	0.0	-3.3816
0.800	0.4001	-0.6184	0.0	0.0	0.0	-2.9233
0.900	0.4001	-0.6184	0.0	0.0	0.0	-2.4650
1.000	0.4001	-0.6184	0.0	0.0	0.0	-2.0067

LOADING 5 HS-20 #4 LT CANT & INT CELL

DISTANCE FORCE MOMENT

33003520

FROM START	AXIAL	Y SHEAR	Z SHEAR	TORSION	Y BENDING	Z BENDING
0.0 FR	0.4053	-0.7000	0.0	0.0	0.0	-7.4751
0.100	0.4053	-0.7000	0.0	0.0	0.0	-6.9563
0.200	0.4053	-0.7000	0.0	0.0	0.0	-6.4375
0.300	0.4053	-0.7000	0.0	0.0	0.0	-5.9187
0.400	0.4053	-0.7000	0.0	0.0	0.0	-5.4000
0.500	0.4053	-0.7000	0.0	0.0	0.0	-4.8812
0.600	0.4053	-0.7000	0.0	0.0	0.0	-4.3624
0.700	0.4053	-0.7000	0.0	0.0	0.0	-3.8436
0.800	0.4053	-0.7000	0.0	0.0	0.0	-3.3248
0.900	0.4053	-0.7000	0.0	0.0	0.0	-2.8061
1.000	0.4053	-0.7000	0.0	0.0	0.0	-2.2873

LOADING 6 HS-20 #5 LT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	0.4052	-0.7035	0.0	0.0	0.0	-7.5490
0.100	0.4052	-0.7035	0.0	0.0	0.0	-7.0276
0.200	0.4052	-0.7035	0.0	0.0	0.0	-6.5062
0.300	0.4052	-0.7035	0.0	0.0	0.0	-5.9848
0.400	0.4052	-0.7035	0.0	0.0	0.0	-5.4634 — .264
0.500	0.4052	-0.7035	0.0	0.0	0.0	-4.9420
0.600	0.4052	-0.7035	0.0	0.0	0.0	-4.4206
0.700	0.4052	-0.7035	0.0	0.0	0.0	-3.8992
0.800	0.4052	-0.7035	0.0	0.0	0.0	-3.3778
0.900	0.4052	-0.7035	0.0	0.0	0.0	-2.8565
1.000	0.4052	-0.7035	0.0	0.0	0.0	-2.3351

LOADING 7 HS-20 #6 EXT CELL & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-0.1566	-2.9341	0.0	0.0	0.0	-4.7040
0.100	-0.1566	-2.9341	0.0	0.0	0.0	-2.5294
0.200	-0.1566	-2.9341	0.0	0.0	0.0	-0.3548
0.300	-0.1566	-2.9341	0.0	0.0	0.0	1.8198
0.400	-0.1566	-2.9341	0.0	0.0	0.0	3.9945 —
0.500	-0.2135	-0.1247	0.0	0.0	0.0	4.1021
0.600	-0.2135	-0.1247	0.0	0.0	0.0	4.1945
0.700	-0.2135	-0.1247	0.0	0.0	0.0	4.2869
0.800	-0.2135	-0.1247	0.0	0.0	0.0	4.3793
0.900	-0.2135	-0.1247	0.0	0.0	0.0	4.4717
1.000	-0.2135	-0.1247	0.0	0.0	0.0	4.5642

LOADING 8 HS-20 #7 EXT CELL & INT CELL

DISTANCE FROM START	FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0 FR	-0.1541	-2.9172	0.0	0.0	0.0	-4.5251
0.100	-0.1541	-2.9172	0.0	0.0	0.0	-2.3630
0.200	-0.1541	-2.9172	0.0	0.0	0.0	-0.2009
0.300	-0.1541	-2.9172	0.0	0.0	0.0	1.9612

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0.400	-0.1541	-2.9172	0.0	0.0	0.0	4.1233
0.500	-0.2110	-0.1078	0.0	0.0	0.0	4.2183
0.600	-0.2110	-0.1078	0.0	0.0	0.0	4.2982
0.700	-0.2110	-0.1078	0.0	0.0	0.0	4.3781
0.800	-0.2110	-0.1078	0.0	0.0	0.0	4.4580
0.900	-0.2110	-0.1078	0.0	0.0	0.0	4.5379
1.000	-0.2110	-0.1078	0.0	0.0	0.0	4.6178

LOADING 9 HS-20 #8 LT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.1436	0.0500	0.0	0.0	0.0	0.5178
0.100	0.1436	0.0500	0.0	0.0	0.0	0.4808
0.200	0.1436	0.0500	0.0	0.0	0.0	0.4437
0.300	0.1436	0.0500	0.0	0.0	0.0	0.4067
0.400	0.1436	0.0500	0.0	0.0	0.0	0.3696
0.500	0.1436	0.0500	0.0	0.0	0.0	0.3325
0.600	0.1436	0.0500	0.0	0.0	0.0	0.2955
0.700	0.1436	0.0500	0.0	0.0	0.0	0.2584
0.800	0.1436	0.0500	0.0	0.0	0.0	0.2214
0.900	0.1436	0.0500	0.0	0.0	0.0	0.1843
1.000	0.1436	0.0500	0.0	0.0	0.0	0.1472

LOADING 10 HS-20 #9 EXT & INT CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.1085	-0.1919	0.0	0.0	0.0	-2.0258
0.100	-0.1085	-0.1919	0.0	0.0	0.0	-1.8836
0.200	-0.1085	-0.1919	0.0	0.0	0.0	-1.7414
0.300	-0.1085	-0.1919	0.0	0.0	0.0	-1.5991
0.400	-0.1085	-0.1919	0.0	0.0	0.0	-1.4569
0.500	-0.1085	-0.1919	0.0	0.0	0.0	-1.3147
0.600	-0.1085	-0.1919	0.0	0.0	0.0	-1.1724
0.700	-0.1085	-0.1919	0.0	0.0	0.0	-1.0302
0.800	-0.1085	-0.1919	0.0	0.0	0.0	-0.8880
0.900	-0.1085	-0.1919	0.0	0.0	0.0	-0.7457
1.000	-0.1085	-0.1919	0.0	0.0	0.0	-0.6035

LOADING 11 HS-20 #10 EXT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0747	-5.2150	0.0	0.0	0.0	-4.5033
0.100	-0.0747	-5.2150	0.0	0.0	0.0	-0.6382
0.200	-0.1721	-0.4060	0.0	0.0	0.0	3.2159
0.300	-0.1721	-0.4060	0.0	0.0	0.0	3.5168
0.400	-0.1721	-0.4060	0.0	0.0	0.0	3.8177
0.500	-0.1721	-0.4060	0.0	0.0	0.0	4.1187
0.600	-0.1721	-0.4060	0.0	0.0	0.0	4.4196
0.700	-0.1721	-0.4060	0.0	0.0	0.0	4.7205
0.800	-0.1721	-0.4060	0.0	0.0	0.0	5.0215
0.900	-0.1721	-0.4060	0.0	0.0	0.0	5.3224

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1.000	-0.1721	-0.4060	0.0	0.0	0.0	5.6233

LOADING 12 HS-20 #11 EXT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.1197	-2.9051	0.0	0.0	0.0	-4.3988
0.100	-0.1197	-2.9051	0.0	0.0	0.0	-2.2457
0.200	-0.1197	-2.9051	0.0	0.0	0.0	-0.0927
0.300	-0.1197	-2.9051	0.0	0.0	0.0	2.0604
0.400	-0.1197	-2.9051	0.0	0.0	0.0	4.2135
0.500	-0.1765	-0.0956	0.0	0.0	0.0	4.2996
0.600	-0.1765	-0.0956	0.0	0.0	0.0	4.3705
0.700	-0.1765	-0.0956	0.0	0.0	0.0	4.4414
0.800	-0.1765	-0.0956	0.0	0.0	0.0	4.5122
0.900	-0.1765	-0.0956	0.0	0.0	0.0	4.5831
1.000	-0.1765	-0.0956	0.0	0.0	0.0	4.6540

LOADING 13 HS-20 #12 EXT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.1393	-1.5086	0.0	0.0	0.0	-3.4569
0.100	-0.1393	-1.5086	0.0	0.0	0.0	-2.3388
0.200	-0.1393	-1.5086	0.0	0.0	0.0	-1.2207
0.300	-0.1393	-1.5086	0.0	0.0	0.0	-0.1026
0.400	-0.1393	-1.5086	0.0	0.0	0.0	1.0155
0.500	-0.1393	-1.5086	0.0	0.0	0.0	2.1335
0.600	-0.1393	-1.5086	0.0	0.0	0.0	3.2516
0.700	-0.1393	-1.5086	0.0	0.0	0.0	4.3697
0.800	-0.1795	0.4810	0.0	0.0	0.0	5.3701
0.900	-0.1795	0.4810	0.0	0.0	0.0	5.0136
1.000	-0.1795	0.4810	0.0	0.0	0.0	4.6571

LOADING 14 HS-20 #13 INT & MID CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.1347	-5.9372	0.0	0.0	0.0	-12.2345
0.100	0.1347	-5.9372	0.0	0.0	0.0	-7.8341
0.200	0.0373	-1.1282	0.0	0.0	0.0	-3.4448
0.300	0.0373	-1.1282	0.0	0.0	0.0	-2.6086
0.400	0.0373	-1.1282	0.0	0.0	0.0	-1.7724
0.500	0.0373	-1.1282	0.0	0.0	0.0	-0.9362
0.600	0.0373	-1.1282	0.0	0.0	0.0	-0.1000
0.700	0.0373	-1.1282	0.0	0.0	0.0	0.7362
0.800	0.0373	-1.1282	0.0	0.0	0.0	1.5724
0.900	0.0373	-1.1282	0.0	0.0	0.0	2.4086
1.000	0.0373	-1.1282	0.0	0.0	0.0	3.2448

LOADING 15 HS-20 #14 INT & MID CELLS

DISTANCE FORCE MOMENT

33003523

FROM START	AXIAL	Y SHEAR	Z SHEAR	TORSION	Y BENDING	Z BENDING
0.0 FR	0.0897	-3.6273	0.0	0.0	0.0	-12.1300
0.100	0.0897	-3.6273	0.0	0.0	0.0	-9.4417
0.200	0.0897	-3.6273	0.0	0.0	0.0	-6.7533
0.300	0.0897	-3.6273	0.0	0.0	0.0	-4.0650
0.400	0.0897	-3.6273	0.0	0.0	0.0	-1.3766
0.500	0.0329	-0.8179	0.0	0.0	0.0	-0.7553
0.600	0.0329	-0.8179	0.0	0.0	0.0	-0.1491
0.700	0.0329	-0.8179	0.0	0.0	0.0	0.4570
0.800	0.0329	-0.8179	0.0	0.0	0.0	1.0632
0.900	0.0329	-0.8179	0.0	0.0	0.0	1.6693
1.000	0.0329	-0.8179	0.0	0.0	0.0	2.2755

LOADING 16 HS-20 #15 LT. CANT. SLAB

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0006	0.1740	0.0	0.0	0.0	0.7342
0.100	0.0006	0.1740	0.0	0.0	0.0	0.6053
0.200	0.0006	0.1740	0.0	0.0	0.0	0.4764
0.300	0.0006	0.1740	0.0	0.0	0.0	0.3475
0.400	0.0006	0.1740	0.0	0.0	0.0	0.2185
0.500	0.0006	0.1740	0.0	0.0	0.0	0.0896
0.600	0.0006	0.1740	0.0	0.0	0.0	-0.0393
0.700	0.0006	0.1740	0.0	0.0	0.0	-0.1683
0.800	0.0006	0.1740	0.0	0.0	0.0	-0.2972
0.900	0.0006	0.1740	0.0	0.0	0.0	-0.4261
1.000	0.0006	0.1740	0.0	0.0	0.0	-0.5550

LOADING 17 HS-20 #16 RT CANT & EXT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0002	0.1245	0.0	0.0	0.0	0.5255
0.100	0.0002	0.1245	0.0	0.0	0.0	0.4332
0.200	0.0002	0.1245	0.0	0.0	0.0	0.3410
0.300	0.0002	0.1245	0.0	0.0	0.0	0.2487
0.400	0.0002	0.1245	0.0	0.0	0.0	0.1564
0.500	0.0002	0.1245	0.0	0.0	0.0	0.0641
0.600	0.0002	0.1245	0.0	0.0	0.0	-0.0282
0.700	0.0002	0.1245	0.0	0.0	0.0	-0.1205
0.800	0.0002	0.1245	0.0	0.0	0.0	-0.2128
0.900	0.0002	0.1245	0.0	0.0	0.0	-0.3051
1.000	0.0002	0.1245	0.0	0.0	0.0	-0.3973

LOADING 18 R R TRANSIT #1 RT CANT & INT CELL

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	0.0045	0.5185	0.0	0.0	0.0	2.1889
0.100	0.0045	0.5185	0.0	0.0	0.0	1.8047
0.200	0.0045	0.5185	0.0	0.0	0.0	1.4204
0.300	0.0045	0.5185	0.0	0.0	0.0	1.0361

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0.400	0.0045	0.5185	0.0	0.0	0.0	0.6519
0.500	0.0045	0.5185	0.0	0.0	0.0	0.2676
0.600	0.0045	0.5185	0.0	0.0	0.0	-0.1167
0.700	0.0045	0.5185	0.0	0.0	0.0	-0.5009
0.800	0.0045	0.5185	0.0	0.0	0.0	-0.8852
0.900	0.0045	0.5185	0.0	0.0	0.0	-1.2695
1.000	0.0045	0.5185	0.0	0.0	0.0	-1.6537

LOADING 19 R R TRANSIT #2 INT & EXT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	0.0030	0.1990	0.0	0.0	0.0	0.8403
0.100		0.0030	0.1990	0.0	0.0	0.0	0.6928
0.200		0.0030	0.1990	0.0	0.0	0.0	0.5454
0.300		0.0030	0.1990	0.0	0.0	0.0	0.3979
0.400		0.0030	0.1990	0.0	0.0	0.0	0.2504
0.500		0.0030	0.1990	0.0	0.0	0.0	0.1030
0.600		0.0030	0.1990	0.0	0.0	0.0	-0.0445
0.700		0.0030	0.1990	0.0	0.0	0.0	-0.1920
0.800		0.0030	0.1990	0.0	0.0	0.0	-0.3394
0.900		0.0030	0.1990	0.0	0.0	0.0	-0.4869
1.000		0.0030	0.1990	0.0	0.0	0.0	-0.6344

LOADING 20 R R TRANSIT #3 RT CANT & EXT CELL

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0009	-0.0452	0.0	0.0	0.0	-0.1909
0.100		-0.0009	-0.0452	0.0	0.0	0.0	-0.1574
0.200		-0.0009	-0.0452	0.0	0.0	0.0	-0.1239
0.300		-0.0009	-0.0452	0.0	0.0	0.0	-0.0904
0.400		-0.0009	-0.0452	0.0	0.0	0.0	-0.0569
0.500		-0.0009	-0.0452	0.0	0.0	0.0	-0.0234
0.600		-0.0009	-0.0452	0.0	0.0	0.0	0.0101
0.700		-0.0009	-0.0452	0.0	0.0	0.0	0.0436
0.800		-0.0009	-0.0452	0.0	0.0	0.0	0.0771
0.900		-0.0009	-0.0452	0.0	0.0	0.0	0.1106
1.000		-0.0009	-0.0452	0.0	0.0	0.0	0.1441

LOADING 21 R R TRANSIT #4 EXT & INT CELLS

DISTANCE FROM START		FORCE AXIAL	Y SHEAR	Z SHEAR	MOMENT TORSION	Y BENDING	Z BENDING
0.0	FR	-0.0133	-1.5223	0.0	0.0	0.0	-5.6522
0.100		-0.0133	-1.5223	0.0	0.0	0.0	-4.5240
0.200		-0.0133	-1.5223	0.0	0.0	0.0	-3.3957
0.300		-0.0133	-1.5223	0.0	0.0	0.0	-2.2675
0.400		-0.0133	-1.5223	0.0	0.0	0.0	-1.1393
0.500		-0.0133	-1.5223	0.0	0.0	0.0	-0.0110
0.600		-0.0133	-1.5223	0.0	0.0	0.0	1.1172
0.700		-0.0133	-1.5223	0.0	0.0	0.0	2.2454
0.800		-0.0133	-1.5223	0.0	0.0	0.0	3.3737
0.900		-0.0133	-1.5223	0.0	0.0	0.0	4.5019

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1.000	-0.0530	0.4373	0.0	0.0	0.0	5.5097

LOADING 22 R R TRANSIT #5 EXT & INT CELLS

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.0138	-1.5706	0.0	0.0	0.0	-5.8562
0.100	-0.0138	-1.5706	0.0	0.0	0.0	-4.6921
0.200	-0.0138	-1.5706	0.0	0.0	0.0	-3.5281
0.300	-0.0138	-1.5706	0.0	0.0	0.0	-2.3640
0.400	-0.0138	-1.5706	0.0	0.0	0.0	-1.2000
0.500	-0.0138	-1.5706	0.0	0.0	0.0	-0.0359
0.600	-0.0138	-1.5706	0.0	0.0	0.0	1.1281
0.700	-0.0138	-1.5706	0.0	0.0	0.0	2.2921
0.800	-0.0138	-1.5706	0.0	0.0	0.0	3.4562
0.900	-0.0138	-1.5706	0.0	0.0	0.0	4.6202
1.000	-0.0534	0.3890	0.0	0.0	0.0	5.6638

LOADING 23 HYDROSTATIC PRESSURE 17.42 FT OF DRAFT

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-0.6913	0.0041	0.0	0.0	0.0	-0.3094
0.100	-0.6913	0.0041	0.0	0.0	0.0	-0.3125
0.200	-0.6913	0.0041	0.0	0.0	0.0	-0.3156
0.300	-0.6913	0.0041	0.0	0.0	0.0	-0.3186
0.400	-0.6913	0.0041	0.0	0.0	0.0	-0.3217
0.500	-0.6913	0.0041	0.0	0.0	0.0	-0.3248
0.600	-0.6913	0.0041	0.0	0.0	0.0	-0.3278
0.700	-0.6913	0.0041	0.0	0.0	0.0	-0.3309
0.800	-0.6913	0.0041	0.0	0.0	0.0	-0.3340
0.900	-0.6913	0.0041	0.0	0.0	0.0	-0.3370
1.000	-0.6913	0.0041	0.0	0.0	0.0	-0.3401

LOADING 24 WAVE FORCE PLUS HYDROSTATIC PRESSURE

DISTANCE FROM START	FORCE AXIAL	FORCE Y SHEAR	FORCE Z SHEAR	MOMENT TORSION	MOMENT Y BENDING	MOMENT Z BENDING
0.0 FR	-3.8114	-0.2349	0.0	0.0	0.0	-2.6690
0.100	-3.8114	-0.2349	0.0	0.0	0.0	-2.4950
0.200	-3.8114	-0.2349	0.0	0.0	0.0	-2.3209
0.300	-3.8114	-0.2349	0.0	0.0	0.0	-2.1468
0.400	-3.8114	-0.2349	0.0	0.0	0.0	-1.9727
0.500	-3.8114	-0.2349	0.0	0.0	0.0	-1.7987
0.600	-3.8114	-0.2349	0.0	0.0	0.0	-1.6246
0.700	-3.8114	-0.2349	0.0	0.0	0.0	-1.4505
0.800	-3.8114	-0.2349	0.0	0.0	0.0	-1.2764
0.900	-3.8114	-0.2349	0.0	0.0	0.0	-1.1024
1.000	-3.8114	-0.2349	0.0	0.0	0.0	-0.9283

LOADING 25 WAVE FORCE

DISTANCE FORCE MOMENT

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