```
================================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H===============================================================================

                     G W /* STEEL WEIGHT */
 W H-------------------------------------------------------------------------------
 G          Material Set        Unit Weight,kg/m.      Total Weight,t.
 H-------------------------------------------------------------------------------
               1                  37.244                   4.097
               2                  37.244                   5.474

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================================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H==============================================================================

         G W /* NODAL  DISPLACEMENT (cm) */
 W H-------------------------------------------------------------------------
 G            Node            X-Displacement           Y-Displacement
 H-------------------------------------------------------------------------
               1              0.0000e+00              0.0000e+00
               2              6.8186e-02             -5.5776e+00
               3              2.0359e-01             -1.1015e+01
               4              3.9356e-01             -1.6171e+01
               5              6.3711e-01             -2.0968e+01
               6              9.2127e-01             -2.5290e+01
               7              1.2451e+00             -2.9085e+01
               8              1.5956e+00             -3.2262e+01
               9              1.9719e+00             -3.4794e+01
              10              2.3611e+00             -3.6614e+01
              11              2.7621e+00             -3.7722e+01
              12              3.1636e+00             -3.8077e+01
              13              3.5644e+00             -3.7697e+01
              14              3.9521e+00             -3.6561e+01
              15              4.3256e+00             -3.4715e+01
              16              4.6723e+00             -3.2162e+01
              17              4.9913e+00             -2.8973e+01
              18              5.2711e+00             -2.5179e+01
              19              5.5109e+00             -2.0866e+01
              20              5.6979e+00             -1.6085e+01
              21              5.8312e+00             -1.0952e+01
              22              5.8984e+00             -5.5423e+00
              23              5.8984e+00              0.0000e+00
              24              5.9210e+00             -7.5037e-03
              25              5.9210e+00             -5.4927e+00
              26              5.8529e+00             -1.0946e+01
              27              5.7174e+00             -1.6103e+01
              28              5.5275e+00             -2.0916e+01
              29              5.2839e+00             -2.5240e+01
              30              4.9998e+00             -2.9051e+01
              31              4.6760e+00             -3.2229e+01
              32              4.3254e+00             -3.4777e+01
              33              3.9491e+00             -3.6598e+01
              34              3.5600e+00             -3.7720e+01
              35              3.1589e+00             -3.8077e+01
              36              2.7575e+00             -3.7713e+01
              37              2.3566e+00             -3.6578e+01
              38              1.9689e+00             -3.4748e+01
              39              1.5954e+00             -3.2196e+01
              40              1.2487e+00             -2.9021e+01
              41              9.2977e-01             -2.5228e+01
              42              6.4991e-01             -2.0931e+01
              43              4.1012e-01             -1.6152e+01
              44              2.2310e-01             -1.1035e+01
              45              8.9809e-02             -5.6259e+00

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H===========================================================================

         G W /* NODAL  DISPLACEMENT (cm) */
 W H---------------------------------------------------------------------------
 G            Node            X-Displacement           Y-Displacement
 H-----------------------------------------------------------------------------
              46              2.2682e-02              -9.3331e-02

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H===========================================================================

  G W /* ELEMENT FORCE (Own weight inc.) */
 W H---------------------------------------------------------------------------
 G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
 H-----------------------------------------------------------------------------
          1           2.50         2.7161e+04            572.8
          2           2.50         5.3937e+04           1137.4
          3           2.50         7.5667e+04           1595.7
          4           2.50         9.7014e+04           2045.8
          5           2.50         1.1319e+05           2387.0
          6           2.50         1.2898e+05           2720.0
          7           2.50         1.3963e+05           2944.5
          8           2.50         1.4989e+05           3160.8
          9           2.50         1.5501e+05           3268.9
         10           2.50         1.5975e+05           3368.8
         11           2.50         1.5991e+05           3372.1
         12           2.50         1.5968e+05           3367.4
         13           2.50         1.5442e+05           3256.4
         14           2.50         1.4878e+05           3137.4
         15           2.50         1.3810e+05           2912.4
         16           2.50         1.2705e+05           2679.2
         17           2.50         1.1147e+05           2350.8
         18           2.50         9.5515e+04           2014.2
         19           2.50         7.4496e+04           1571.0
         20           2.50         5.3094e+04           1119.6
         21           2.50         2.6739e+04            563.9
         22           2.50         0.0000e+00              0.0
         23           2.50         0.0000e+00              0.0
         24           2.50        -2.7161e+04           -572.8
         25           2.50        -5.3937e+04          -1137.4
         26           2.50        -7.5667e+04          -1595.7
         27           2.50        -9.7014e+04          -2045.8
         28           2.50        -1.1319e+05          -2387.0
         29           2.50        -1.2898e+05          -2720.0
         30           2.50        -1.3963e+05          -2944.5
         31           2.50        -1.4989e+05          -3160.8
         32           2.50        -1.5501e+05          -3268.9
         33           2.50        -1.5975e+05          -3368.8
         34           2.50        -1.5991e+05          -3372.1
         35           2.50        -1.5968e+05          -3367.4
         36           2.50        -1.5442e+05          -3256.4
         37           2.50        -1.4878e+05          -3137.4
         38           2.50        -1.3810e+05          -2912.4
         39           2.50        -1.2705e+05          -2679.2
         40           2.50        -1.1147e+05          -2350.8
         41           2.50        -9.5515e+04          -2014.2
         42           2.50        -7.4496e+04          -1571.0
         43           2.50        -5.3094e+04          -1119.6
         44           2.50        -2.6739e+04           -563.9
         45           2.80        -2.6687e+03            -56.3

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H===========================================================================

  G W /* ELEMENT FORCE (Own weight inc.) */
 W H---------------------------------------------------------------------------
 G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
 H---------------------------------------------------------------------------
         46           2.80         3.0205e+04            637.0
         47           2.80         2.4553e+04            517.8
         48           2.80         2.4123e+04            508.7
         49           2.80         1.8334e+04            386.6
         50           2.80         1.7903e+04            377.6
         51           2.80         1.2135e+04            255.9
         52           2.80         1.1705e+04            246.8
         53           2.80         5.9545e+03            125.6
         54           2.80         5.5242e+03            116.5
         55           2.80         3.9094e+02              8.2
         56           2.80        -3.9364e+01             -0.8
         57           2.80        -5.6757e+03           -119.7
         58           2.80        -6.1060e+03           -128.8
         59           2.80        -1.1737e+04           -247.5
         60           2.80        -1.2168e+04           -256.6
         61           2.80        -1.7229e+04           -363.3
         62           2.80        -1.7659e+04           -372.4
         63           2.80        -2.3325e+04           -491.9
         64           2.80        -2.3756e+04           -501.0
         65           2.80        -2.9302e+04           -617.9
         66           2.80        -2.9732e+04           -627.0
         67           2.80        -3.3193e+04           -700.0
         68           3.75        -4.0781e+04           -860.0
         69           3.75        -4.0204e+04           -847.8
         70           3.75        -3.2628e+04           -688.1
         71           3.75        -3.2051e+04           -675.9
         72           3.75        -2.4290e+04           -512.2
         73           3.75        -2.3713e+04           -500.1
         74           3.75        -1.5980e+04           -337.0
         75           3.75        -1.5403e+04           -324.8
         76           3.75        -7.6942e+03           -162.3
         77           3.75        -7.1173e+03           -150.1
         78           3.75        -2.3566e+02             -5.0
         79           3.75         3.4120e+02              7.2
         80           3.75         7.8972e+03            166.5
         81           3.75         8.4741e+03            178.7
         82           3.75         1.6023e+04            337.9
         83           3.75         1.6600e+04            350.1
         84           3.75         2.3385e+04            493.2
         85           3.75         2.3962e+04            505.3
         86           3.75         3.1558e+04            665.5
         87           3.75         3.2135e+04            677.7
         88           3.75         3.9571e+04            834.5
         89           3.75         4.0147e+04            846.6

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================================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H==============================================================================

           G W /* SUPPORT  REACTION (kg) */
 W H------------------------------------------------------------------------------
 G               Node            X - Force              Y - Force
 H------------------------------------------------------------------------------
                  1           -9.1709e-04             3.3257e+04
                 23            0.0000e+00             3.3292e+04

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H============================================================================

               G W /* SECTION & WELDING */
 W H----------------------------------------------------------------------------
 G Element  Steel  section         (l/r)   (Fa,ksc)   (fa/Fa) Welding, <t,L>mm.
 H----------------------------------------------------------------------------
     1   2[-150x75x6.0             55     3304.2      0.17        6.0, 510
     2   2[-150x75x6.0             55     3304.2      0.34        6.0,1010
     3   2[-150x75x6.0             55     3304.2      0.48        6.0,1420
     4   2[-150x75x6.0             55     3304.2      0.62        6.0,1820
     5   2[-150x75x6.0             55     3304.2      0.72        6.0,2120
     6   2[-150x75x6.0             55     3304.2      0.82        6.0,2420
     7   2[-150x75x6.0             55     3304.2      0.89        6.0,2620
     8   2[-150x75x6.0             55     3304.2      0.96        6.0,2810
     9   2[-150x75x6.0             55     3304.2      0.99        6.0,2900
    10   2[-150x75x6.0             55     3304.2      1.02     *  6.0,2990
    11   2[-150x75x6.0             55     3304.2      1.02     *  6.0,3000
    12   2[-150x75x6.0             55     3304.2      1.02     *  6.0,2990
    13   2[-150x75x6.0             55     3304.2      0.99        6.0,2890
    14   2[-150x75x6.0             55     3304.2      0.95        6.0,2790
    15   2[-150x75x6.0             55     3304.2      0.88        6.0,2590
    16   2[-150x75x6.0             55     3304.2      0.81        6.0,2380
    17   2[-150x75x6.0             55     3304.2      0.71        6.0,2090
    18   2[-150x75x6.0             55     3304.2      0.61        6.0,1790
    19   2[-150x75x6.0             55     3304.2      0.48        6.0,1400
    20   2[-150x75x6.0             55     3304.2      0.34        6.0,1000
    21   2[-150x75x6.0             55     3304.2      0.17        6.0, 510
    22   2[-150x75x6.0             55     3304.2      0.00        6.0,  40
    23   2[-150x75x6.0             55     3304.2      0.00        6.0,  40
    24   2[-150x75x6.0             55     2348.3      0.24        6.0, 510
    25   2[-150x75x6.0             55     2348.3      0.48        6.0,1010
    26   2[-150x75x6.0             55     2348.3      0.68        6.0,1420
    27   2[-150x75x6.0             55     2348.3      0.87        6.0,1820
    28   2[-150x75x6.0             55     2348.3      1.02     *  6.0,2120
    29   2[-150x75x6.0             55     2348.3      1.16     *  6.0,2420
    30   2[-150x75x6.0             55     2348.3      1.25     *  6.0,2620
    31   2[-150x75x6.0             55     2348.3      1.35     *  6.0,2810
    32   2[-150x75x6.0             55     2348.3      1.39     *  6.0,2900
    33   2[-150x75x6.0             55     2348.3      1.43     *  6.0,2990
    34   2[-150x75x6.0             55     2348.3      1.44     *  6.0,3000
    35   2[-150x75x6.0             55     2348.3      1.43     *  6.0,2990
    36   2[-150x75x6.0             55     2348.3      1.39     *  6.0,2890
    37   2[-150x75x6.0             55     2348.3      1.34     *  6.0,2790
    38   2[-150x75x6.0             55     2348.3      1.24     *  6.0,2590
    39   2[-150x75x6.0             55     2348.3      1.14     *  6.0,2380
    40   2[-150x75x6.0             55     2348.3      1.00        6.0,2090
    41   2[-150x75x6.0             55     2348.3      0.86        6.0,1790
    42   2[-150x75x6.0             55     2348.3      0.67        6.0,1400
    43   2[-150x75x6.0             55     2348.3      0.48        6.0,1000
    44   2[-150x75x6.0             55     2348.3      0.24        6.0, 510
    45   2[-150x75x6.0             62     2179.4      0.03        6.0,  50

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT1C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T1C3                   ENGINEER: CHANASORN
 H===========================================================================

               G W /* SECTION & WELDING */
 W H-----------------------------------------------------------------------------
 G Element  Steel  section         (l/r)   (Fa,ksc)   (fa/Fa) Welding, <t,L>mm.
 H-----------------------------------------------------------------------------
    46   2[-150x75x6.0             62     3304.2      0.19        6.0, 570
    47   2[-150x75x6.0             62     3304.2      0.16        6.0, 460
    48   2[-150x75x6.0             62     3304.2      0.15        6.0, 460
    49   2[-150x75x6.0             62     3304.2      0.12        6.0, 350
    50   2[-150x75x6.0             62     3304.2      0.11        6.0, 340
    51   2[-150x75x6.0             62     3304.2      0.08        6.0, 230
    52   2[-150x75x6.0             62     3304.2      0.07        6.0, 220
    53   2[-150x75x6.0             62     3304.2      0.04        6.0, 120
    54   2[-150x75x6.0             62     3304.2      0.04        6.0, 110
    55   2[-150x75x6.0             62     3304.2      0.00        6.0,  40
    56   2[-150x75x6.0             62     2179.4      0.00        6.0,  40
    57   2[-150x75x6.0             62     2179.4      0.05        6.0, 110
    58   2[-150x75x6.0             62     2179.4      0.06        6.0, 120
    59   2[-150x75x6.0             62     2179.4      0.11        6.0, 220
    60   2[-150x75x6.0             62     2179.4      0.12        6.0, 230
    61   2[-150x75x6.0             62     2179.4      0.17        6.0, 330
    62   2[-150x75x6.0             62     2179.4      0.17        6.0, 340
    63   2[-150x75x6.0             62     2179.4      0.23        6.0, 440
    64   2[-150x75x6.0             62     2179.4      0.23        6.0, 450
    65   2[-150x75x6.0             62     2179.4      0.28        6.0, 550
    66   2[-150x75x6.0             62     2179.4      0.29        6.0, 560
    67   2[-150x75x6.0             62     2179.4      0.32        6.0, 630
    68   2[-150x75x6.0             83     1569.2      0.55        6.0, 770
    69   2[-150x75x6.0             83     1569.2      0.54        6.0, 760
    70   2[-150x75x6.0             83     1569.2      0.44        6.0, 620
    71   2[-150x75x6.0             83     1569.2      0.43        6.0, 600
    72   2[-150x75x6.0             83     1569.2      0.33        6.0, 460
    73   2[-150x75x6.0             83     1569.2      0.32        6.0, 450
    74   2[-150x75x6.0             83     1569.2      0.21        6.0, 300
    75   2[-150x75x6.0             83     1569.2      0.21        6.0, 290
    76   2[-150x75x6.0             83     1569.2      0.10        6.0, 150
    77   2[-150x75x6.0             83     1569.2      0.10        6.0, 140
    78   2[-150x75x6.0             83     1569.2      0.00        6.0,  40
    79   2[-150x75x6.0             83     3304.2      0.00        6.0,  40
    80   2[-150x75x6.0             83     3304.2      0.05        6.0, 150
    81   2[-150x75x6.0             83     3304.2      0.05        6.0, 160
    82   2[-150x75x6.0             83     3304.2      0.10        6.0, 300
    83   2[-150x75x6.0             83     3304.2      0.11        6.0, 320
    84   2[-150x75x6.0             83     3304.2      0.15        6.0, 440
    85   2[-150x75x6.0             83     3304.2      0.15        6.0, 450
    86   2[-150x75x6.0             83     3304.2      0.20        6.0, 600
    87   2[-150x75x6.0             83     3304.2      0.21        6.0, 610
    88   2[-150x75x6.0             83     3304.2      0.25        6.0, 750
    89   2[-150x75x6.0             83     3304.2      0.26        6.0, 760

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