G W q DTRUSS q W   VERSION 2.1
FILENAME: LAT203C3.T2 AUTHORITY: q SONGKHEW q
PROJECT : LANNA T203C3 ENGINEER: CHANASORN

G W /* STEEL WEIGHT */

Material Set	Unit Weight,kg/m.	Total Weight,t.
1	26.876	1.234
2	13.438	0.773

```
================================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                  AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                 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             -1.6173e-02             -4.3840e-01
               3             -2.2205e-02             -8.3649e-01
               4             -1.8979e-02             -1.1894e+00
               5             -6.8642e-03             -1.4840e+00
               6              1.2798e-02             -1.6992e+00
               7              3.8570e-02             -1.8400e+00
               8              6.9509e-02             -1.9034e+00
               9              1.0454e-01             -1.8886e+00
              10              1.4248e-01             -1.7973e+00
              11              1.8200e-01             -1.6332e+00
              12              2.2165e-01             -1.4021e+00
              13              2.5989e-01             -1.1122e+00
              14              2.9504e-01             -7.7334e-01
              15              3.2531e-01             -3.9781e-01
              16              3.4879e-01              0.0000e+00
              17              3.4868e-01              1.9527e-01
              18              3.4868e-01              3.9282e-01
              19              3.5530e-01             -7.4833e-04
              20              3.3120e-01             -4.2039e-01
              21              2.9759e-01             -8.2355e-01
              22              2.5906e-01             -1.1786e+00
              23              2.1737e-01             -1.4753e+00
              24              1.7474e-01             -1.6955e+00
              25              1.3382e-01             -1.8384e+00
              26              9.5747e-02             -1.9040e+00
              27              6.1700e-02             -1.8915e+00
              28              3.2697e-02             -1.8023e+00
              29              9.6266e-03             -1.6404e+00
              30             -6.7583e-03             -1.4116e+00
              31             -1.5837e-02             -1.1238e+00
              32             -1.7119e-02             -7.8718e-01
              33             -1.0240e-02             -4.1387e-01
              34              5.0409e-03             -1.7980e-02
              35              1.6977e-02              1.9601e-01
              36              2.7695e-02              3.9289e-01

================================================================================
```

```
=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                  AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                 ENGINEER: CHANASORN
 H===========================================================================

  G W /* ELEMENT FORCE (Own weight inc.) */
 W H---------------------------------------------------------------------------
 G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
 H-----------------------------------------------------------------------
          1           1.42         5.2852e+03            154.4
          2           1.42         9.1755e+03            268.1
          3           1.42         1.2469e+04            364.4
          4           1.42         1.5172e+04            443.4
          5           1.42         1.6550e+04            483.6
          6           1.42         1.7355e+04            507.2
          7           1.42         1.7590e+04            514.0
          8           1.42         1.7263e+04            504.5
          9           1.42         1.6378e+04            478.6
         10           1.42         1.4940e+04            436.6
         11           1.42         1.2956e+04            378.6
         12           1.42         1.0430e+04            304.8
         13           1.42         7.3676e+03            215.3
         14           1.42         3.7739e+03            110.3
         15           1.42        -3.4611e+02            -10.1
         16           0.84        -9.2338e+01             -2.7
         17           0.83         0.0000e+00              0.0
         18           1.42         0.0000e+00              0.0
         19           1.42        -5.2841e+03           -154.4
         20           1.42        -9.1737e+03           -268.1
         21           1.42        -1.2467e+04           -364.3
         22           1.42        -1.5169e+04           -443.3
         23           1.42        -1.6547e+04           -483.6
         24           1.42        -1.7351e+04           -507.1
         25           1.42        -1.7587e+04           -513.9
         26           1.42        -1.7260e+04           -504.4
         27           1.42        -1.6375e+04           -478.5
         28           1.42        -1.4937e+04           -436.5
         29           1.42        -1.2953e+04           -378.5
         30           1.42        -1.0428e+04           -304.7
         31           1.42        -7.3662e+03           -215.3
         32           1.42        -3.7731e+03           -110.3
         33           0.84         3.4597e+02             10.1
         34           0.84         9.2472e+01              2.7
         35           1.37        -1.9627e+02            -11.5
         36           1.37         4.7069e+03            275.1
         37           1.38         3.3725e+03            197.1
         38           1.38         2.8051e+03            163.9
         39           1.39         2.2394e+03            130.9
         40           1.39         9.5208e+02             55.6
         41           1.40         3.9249e+02             22.9
         42           1.40        -1.6534e+02             -9.7
         43           1.41        -7.2141e+02            -42.2
         44           1.41        -1.2758e+03            -74.6
         45           1.42        -1.8284e+03           -106.9

=============================================================================
```

```
                                    G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                   ENGINEER: CHANASORN
```

G W /* ELEMENT FORCE (Own weight inc.) */

Element	Length,m.	Force,kg(P)	Stress,ksc(fa)
46	1.42	-2.3793e+03	-139.1
47	1.43	-2.9286e+03	-171.2
48	1.43	-3.4762e+03	-203.2
49	1.44	-4.0222e+03	-235.1
50	1.44	-4.4865e+03	-262.2
51	1.39	1.9177e+02	11.2
52	1.35	2.0292e+01	1.2
53	1.91	-7.1331e+03	-416.9
54	1.92	-5.2591e+03	-307.4
55	1.92	-4.4598e+03	-260.7
56	1.92	-3.6658e+03	-214.2
57	1.93	-1.8729e+03	-109.5
58	1.93	-1.0945e+03	-64.0
59	1.93	-3.2115e+02	-18.8
60	1.94	4.4712e+02	26.1
61	1.94	1.2104e+03	70.7
62	1.94	1.9689e+03	115.1
63	1.95	2.7225e+03	159.1
64	1.95	3.4713e+03	202.9
65	1.95	4.2155e+03	246.4
66	1.96	4.9550e+03	289.6
67	1.96	5.6899e+03	332.5
68	1.63	-4.9287e+02	-28.8
69	1.59	-1.7554e+02	-10.3

```
=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                  AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                 ENGINEER: CHANASORN
 H===========================================================================

           G W /* SUPPORT  REACTION (kg) */
 W H---------------------------------------------------------------------------
 G               Node            X - Force              Y - Force
 H-----------------------------------------------------------------------------
                  1           -2.8254e-05             5.3589e+03
                 16            0.0000e+00             4.9812e+03

=============================================================================
```

```
================================================================================
                                  G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                   AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                  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[-125x65x6.0x8.0         36     3304.2      0.05        6.0, 100
     2   2[-125x65x6.0x8.0         36     3304.2      0.08        6.0, 180
     3   2[-125x65x6.0x8.0         36     3304.2      0.11        6.0, 240
     4   2[-125x65x6.0x8.0         36     3304.2      0.13        6.0, 290
     5   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 310
     6   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 330
     7   2[-125x65x6.0x8.0         36     3304.2      0.16        6.0, 330
     8   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 330
     9   2[-125x65x6.0x8.0         36     3304.2      0.14        6.0, 310
    10   2[-125x65x6.0x8.0         36     3304.2      0.13        6.0, 280
    11   2[-125x65x6.0x8.0         36     3304.2      0.11        6.0, 250
    12   2[-125x65x6.0x8.0         36     3304.2      0.09        6.0, 200
    13   2[-125x65x6.0x8.0         36     3304.2      0.07        6.0, 140
    14   2[-125x65x6.0x8.0         36     3304.2      0.03        6.0,  80
    15   2[-125x65x6.0x8.0         36     2771.7      0.00        6.0,  40
    16   2[-125x65x6.0x8.0         21     3040.0      0.00        6.0,  40
    17   2[-125x65x6.0x8.0         21     3304.2      0.00        6.0,  40
    18   2[-125x65x6.0x8.0         36     3304.2      0.00        6.0,  40
    19   2[-125x65x6.0x8.0         36     2771.8      0.06        6.0, 100
    20   2[-125x65x6.0x8.0         36     2771.8      0.10        6.0, 180
    21   2[-125x65x6.0x8.0         36     2771.8      0.13        6.0, 240
    22   2[-125x65x6.0x8.0         36     2771.8      0.16        6.0, 290
    23   2[-125x65x6.0x8.0         36     2771.8      0.17        6.0, 310
    24   2[-125x65x6.0x8.0         36     2771.8      0.18        6.0, 330
    25   2[-125x65x6.0x8.0         36     2771.8      0.19        6.0, 330
    26   2[-125x65x6.0x8.0         36     2771.8      0.18        6.0, 330
    27   2[-125x65x6.0x8.0         36     2771.8      0.17        6.0, 310
    28   2[-125x65x6.0x8.0         36     2771.8      0.16        6.0, 280
    29   2[-125x65x6.0x8.0         36     2771.8      0.14        6.0, 250
    30   2[-125x65x6.0x8.0         36     2771.8      0.11        6.0, 200
    31   2[-125x65x6.0x8.0         36     2771.8      0.08        6.0, 140
    32   2[-125x65x6.0x8.0         36     2771.8      0.04        6.0,  80
    33   2[-125x65x6.0x8.0         21     3304.2      0.00        6.0,  40
    34   2[-125x65x6.0x8.0         21     3304.2      0.00        6.0,  40
    35   [-125x65x6.0x8.0          70     1954.2      0.01        6.0,  40
    36   [-125x65x6.0x8.0          70     3304.2      0.08        6.0,  90
    37   [-125x65x6.0x8.0          70     3304.2      0.06        6.0,  70
    38   [-125x65x6.0x8.0          71     3304.2      0.05        6.0,  60
    39   [-125x65x6.0x8.0          71     3304.2      0.04        6.0,  50
    40   [-125x65x6.0x8.0          71     3304.2      0.02        6.0,  40
    41   [-125x65x6.0x8.0          71     3304.2      0.01        6.0,  40
    42   [-125x65x6.0x8.0          72     1906.5      0.01        6.0,  40
    43   [-125x65x6.0x8.0          72     1899.6      0.02        6.0,  40
    44   [-125x65x6.0x8.0          72     1892.7      0.04        6.0,  40
    45   [-125x65x6.0x8.0          72     1885.8      0.06        6.0,  40

================================================================================
```

```
================================================================================
                                  G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT203C3.T2                   AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T203C3                  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   [-125x65x6.0x8.0          73     1878.9      0.07        6.0,  50
    47   [-125x65x6.0x8.0          73     1872.0      0.09        6.0,  60
    48   [-125x65x6.0x8.0          73     1865.0      0.11        6.0,  70
    49   [-125x65x6.0x8.0          73     1858.0      0.13        6.0,  80
    50   [-125x65x6.0x8.0          73     1851.1      0.14        6.0,  90
    51   [-125x65x6.0x8.0          71     3304.2      0.00        6.0,  40
    52   [-125x65x6.0x8.0          69     3304.2      0.00        6.0,  40
    53   [-125x65x6.0x8.0          98     1133.2      0.37        6.0, 140
    54   [-125x65x6.0x8.0          98     1129.5      0.27        6.0, 100
    55   [-125x65x6.0x8.0          98     1125.8      0.23        6.0,  90
    56   [-125x65x6.0x8.0          98     1122.1      0.19        6.0,  70
    57   [-125x65x6.0x8.0          98     1118.5      0.10        6.0,  40
    58   [-125x65x6.0x8.0          98     1114.8      0.06        6.0,  40
    59   [-125x65x6.0x8.0          99     1111.1      0.02        6.0,  40
    60   [-125x65x6.0x8.0          99     3304.2      0.01        6.0,  40
    61   [-125x65x6.0x8.0          99     3304.2      0.02        6.0,  40
    62   [-125x65x6.0x8.0          99     3304.2      0.03        6.0,  40
    63   [-125x65x6.0x8.0          99     3304.2      0.05        6.0,  60
    64   [-125x65x6.0x8.0          99     3304.2      0.06        6.0,  70
    65   [-125x65x6.0x8.0         100     3304.2      0.07        6.0,  80
    66   [-125x65x6.0x8.0         100     3304.2      0.09        6.0, 100
    67   [-125x65x6.0x8.0         100     3304.2      0.10        6.0, 110
    68   [-125x65x6.0x8.0          83     1560.6      0.02        6.0,  40
    69   [-125x65x6.0x8.0          81     1622.7      0.01        6.0,  40

================================================================================
```