G W q DTRUSS q W   VERSION 2.1
FILENAME: LAT210C3.T2 AUTHORITY: q SONGKHEW q
PROJECT : LANNA T210C3 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

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================================================================================
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  FILENAME: LAT210C3.T2                  AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T210C3                 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             -1.5975e-02             -4.3097e-01
               3             -2.2014e-02             -8.2308e-01
               4             -1.8960e-02             -1.1708e+00
               5             -7.1941e-03             -1.4611e+00
               6              1.2026e-02             -1.6745e+00
               7              3.7346e-02             -1.8147e+00
               8              6.7828e-02             -1.8784e+00
               9              1.0241e-01             -1.8649e+00
              10              1.3990e-01             -1.7756e+00
              11              1.7898e-01             -1.6141e+00
              12              2.1823e-01             -1.3862e+00
              13              2.5609e-01             -1.0998e+00
              14              2.9089e-01             -7.6495e-01
              15              3.2086e-01             -3.9356e-01
              16              3.4408e-01              0.0000e+00
              17              3.4397e-01              1.9299e-01
              18              3.4397e-01              3.8826e-01
              19              3.4981e-01             -7.4833e-04
              20              3.2611e-01             -4.1343e-01
              21              2.9311e-01             -8.1035e-01
              22              2.5525e-01             -1.1602e+00
              23              2.1430e-01             -1.4527e+00
              24              1.7239e-01             -1.6707e+00
              25              1.3205e-01             -1.8130e+00
              26              9.4455e-02             -1.8789e+00
              27              6.0773e-02             -1.8676e+00
              28              3.2037e-02             -1.7805e+00
              29              9.1398e-03             -1.6212e+00
              30             -7.1580e-03             -1.3955e+00
              31             -1.6229e-02             -1.1114e+00
              32             -1.7576e-02             -7.7869e-01
              33             -1.0827e-02             -4.0952e-01
              34              4.2631e-03             -1.7871e-02
              35              1.6070e-02              1.9374e-01
              36              2.6666e-02              3.8834e-01

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=============================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT210C3.T2                  AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T210C3                 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         5.1575e+03            150.7
          2           1.42         8.9878e+03            262.6
          3           1.42         1.2222e+04            357.2
          4           1.42         1.4865e+04            434.4
          5           1.42         1.6273e+04            475.5
          6           1.42         1.7106e+04            499.9
          7           1.42         1.7370e+04            507.6
          8           1.42         1.7070e+04            498.8
          9           1.42         1.6213e+04            473.8
         10           1.42         1.4804e+04            432.6
         11           1.42         1.2847e+04            375.4
         12           1.42         1.0349e+04            302.4
         13           1.42         7.3135e+03            213.7
         14           1.42         3.7469e+03            109.5
         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        -5.1565e+03           -150.7
         20           1.42        -8.9861e+03           -262.6
         21           1.42        -1.2219e+04           -357.1
         22           1.42        -1.4863e+04           -434.3
         23           1.42        -1.6270e+04           -475.4
         24           1.42        -1.7102e+04           -499.8
         25           1.42        -1.7366e+04           -507.5
         26           1.42        -1.7067e+04           -498.7
         27           1.42        -1.6210e+04           -473.7
         28           1.42        -1.4801e+04           -432.5
         29           1.42        -1.2845e+04           -375.4
         30           1.42        -1.0347e+04           -302.4
         31           1.42        -7.3121e+03           -213.7
         32           1.42        -3.7462e+03           -109.5
         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         4.5835e+03            267.9
         37           1.38         3.3144e+03            193.7
         38           1.38         2.7472e+03            160.6
         39           1.39         2.1817e+03            127.5
         40           1.39         9.8025e+02             57.3
         41           1.40         4.2057e+02             24.6
         42           1.40        -1.3734e+02             -8.0
         43           1.41        -6.9352e+02            -40.5
         44           1.41        -1.2480e+03            -72.9
         45           1.42        -1.8007e+03           -105.2

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                                  G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT210C3.T2                    AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T210C3                   ENGINEER: CHANASORN
```

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

Element	Length,m.	Force,kg(P)	Stress,ksc(fa)
46	1.42	-2.3517e+03	-137.4
47	1.43	-2.9011e+03	-169.6
48	1.43	-3.4488e+03	-201.6
49	1.44	-3.9948e+03	-233.5
50	1.44	-4.4592e+03	-260.6
51	1.39	1.9177e+02	11.2
52	1.35	2.0292e+01	1.2
53	1.91	-6.9607e+03	-406.8
54	1.92	-5.1781e+03	-302.6
55	1.92	-4.3791e+03	-255.9
56	1.92	-3.5855e+03	-209.6
57	1.93	-1.9120e+03	-111.7
58	1.93	-1.1334e+03	-66.2
59	1.93	-3.5987e+02	-21.0
60	1.94	4.0860e+02	23.9
61	1.94	1.1721e+03	68.5
62	1.94	1.9307e+03	112.8
63	1.95	2.6845e+03	156.9
64	1.95	3.4335e+03	200.7
65	1.95	4.1779e+03	244.2
66	1.96	4.9176e+03	287.4
67	1.96	5.6527e+03	330.4
68	1.63	-4.9287e+02	-28.8
69	1.59	-1.7554e+02	-10.3

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================================================================================
                                G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT210C3.T2                   AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T210C3                  ENGINEER: CHANASORN
 H==============================================================================

           G W /* SUPPORT  REACTION (kg) */
 W H------------------------------------------------------------------------------
 G               Node             X - Force              Y - Force
 H------------------------------------------------------------------------------
                  1            4.4247e-04             5.2351e+03
                 16            0.0000e+00             4.9540e+03

================================================================================
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================================================================================
                                  G W  q DTRUSS q W     VERSION 2.1
  FILENAME: LAT210C3.T2                   AUTHORITY:  q SONGKHEW q
  PROJECT : LANNA T210C3                  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, 170
     3   2[-125x65x6.0x8.0         36     3304.2      0.11        6.0, 230
     4   2[-125x65x6.0x8.0         36     3304.2      0.13        6.0, 280
     5   2[-125x65x6.0x8.0         36     3304.2      0.14        6.0, 310
     6   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 320
     7   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 330
     8   2[-125x65x6.0x8.0         36     3304.2      0.15        6.0, 320
     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      0.06        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      0.05        6.0, 100
    20   2[-125x65x6.0x8.0         36     2771.8      0.09        6.0, 170
    21   2[-125x65x6.0x8.0         36     2771.8      0.13        6.0, 230
    22   2[-125x65x6.0x8.0         36     2771.8      0.16        6.0, 280
    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, 320
    25   2[-125x65x6.0x8.0         36     2771.8      0.18        6.0, 330
    26   2[-125x65x6.0x8.0         36     2771.8      0.18        6.0, 320
    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      0.00        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

================================================================================
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G W q DTRUSS q W VERSION 2.1
FILENAME: LAT210C3.T2 AUTHORITY: q SONGKHEW q
PROJECT : LANNA T210C3 ENGINEER: CHANASORN

G W /* SECTION & WELDING */

G Element	Steel section	(l/r)	(Fa,ksc)	(fa/Fa)	Welding, <t,L>mm.
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	0.36	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