

- #1 -

```
=====
G W   q DTRUSS q W   VERSION 2.1
FILENAME: LAT202C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T202C3   ENGINEER: CHANASORN
H=====
```

```

G W /* STEEL WEIGHT */
W H-----
G      Material Set      Unit Weight,kg/m.      Total Weight,t.
H-----
      1      26.876      1.234
      2      13.438      0.773
=====
```

```
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```
      G W /* NODAL  DISPLACEMENT (cm) */
W H-----
G      Node      X-Displacement      Y-Displacement
H-----
      1      0.0000e+00      0.0000e+00
      2     -1.5886e-02     -4.2902e-01
      3     -2.1887e-02     -8.1902e-01
      4     -1.8866e-02     -1.1648e+00
      5     -7.2110e-03     -1.4535e+00
      6      1.1859e-02     -1.6663e+00
      7      3.7024e-02     -1.8062e+00
      8      6.7350e-02     -1.8700e+00
      9      1.0177e-01     -1.8569e+00
     10      1.3911e-01     -1.7683e+00
     11      1.7805e-01     -1.6077e+00
     12      2.1716e-01     -1.3808e+00
     13      2.5489e-01     -1.0957e+00
     14      2.8958e-01     -7.6212e-01
     15      3.1944e-01     -3.9213e-01
     16      3.4257e-01      0.0000e+00
     17      3.4246e-01      1.9222e-01
     18      3.4246e-01      3.8673e-01
     19      3.4812e-01     -7.4833e-04
     20      3.2452e-01     -4.1154e-01
     21      2.9168e-01     -8.0641e-01
     22      2.5402e-01     -1.1543e+00
     23      2.1330e-01     -1.4452e+00
     24      1.7165e-01     -1.6625e+00
     25      1.3152e-01     -1.8045e+00
     26      9.4086e-02     -1.8705e+00
     27      6.0531e-02     -1.8596e+00
     28      3.1888e-02     -1.7731e+00
     29      9.0522e-03     -1.6147e+00
     30     -7.2140e-03     -1.3901e+00
     31     -1.6281e-02     -1.1072e+00
     32     -1.7648e-02     -7.7581e-01
     33     -1.0943e-02     -4.0805e-01
     34      4.0827e-03     -1.7833e-02
     35      1.5846e-02      1.9297e-01
     36      2.6400e-02      3.8680e-01
=====
```

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```

```
G W /* ELEMENT FORCE (Own weight inc.) */
W H-----
G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
H-----
      1          1.42          5.1424e+03          150.3
      2          1.42          8.9424e+03          261.3
      3          1.42          1.2146e+04          354.9
      4          1.42          1.4760e+04          431.3
      5          1.42          1.6177e+04          472.7
      6          1.42          1.7020e+04          497.4
      7          1.42          1.7294e+04          505.4
      8          1.42          1.7004e+04          496.9
      9          1.42          1.6157e+04          472.1
     10          1.42          1.4757e+04          431.2
     11          1.42          1.2810e+04          374.3
     12          1.42          1.0321e+04          301.6
     13          1.42          7.2949e+03          213.2
     14          1.42          3.7376e+03          109.2
     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          -5.1414e+03          -150.2
     20          1.42          -8.9406e+03          -261.3
     21          1.42          -1.2144e+04          -354.9
     22          1.42          -1.4757e+04          -431.2
     23          1.42          -1.6174e+04          -472.6
     24          1.42          -1.7017e+04          -497.3
     25          1.42          -1.7290e+04          -505.3
     26          1.42          -1.7001e+04          -496.8
     27          1.42          -1.6154e+04          -472.0
     28          1.42          -1.4754e+04          -431.1
     29          1.42          -1.2807e+04          -374.3
     30          1.42          -1.0319e+04          -301.5
     31          1.42          -7.2935e+03          -213.1
     32          1.42          -3.7369e+03          -109.2
     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          4.5690e+03          267.0
     37          1.38          3.2850e+03          192.0
     38          1.38          2.7178e+03          158.8
     39          1.39          2.1525e+03          125.8
     40          1.39          9.8997e+02           57.9
     41          1.40          4.3025e+02           25.1
     42          1.40          -1.2769e+02          -7.5
     43          1.41          -6.8390e+02          -40.0
     44          1.41          -1.2384e+03          -72.4
     45          1.42          -1.7911e+03          -104.7
=====
```

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PROJECT : LANNA T202C3   ENGINEER: CHANASORN
H=====
```

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

G	Element	Length,m.	Force,kg(P)	Stress,ksc(fa)
H	-----	-----	-----	-----
	46	1.42	-2.3422e+03	-136.9
	47	1.43	-2.8916e+03	-169.0
	48	1.43	-3.4393e+03	-201.0
	49	1.44	-3.9854e+03	-232.9
	50	1.44	-4.4498e+03	-260.1
	51	1.39	1.9177e+02	11.2
	52	1.35	2.0292e+01	1.2
	53	1.91	-6.9404e+03	-405.6
	54	1.92	-5.1370e+03	-300.2
	55	1.92	-4.3382e+03	-253.5
	56	1.92	-3.5448e+03	-207.2
	57	1.93	-1.9255e+03	-112.5
	58	1.93	-1.1468e+03	-67.0
	59	1.93	-3.7322e+02	-21.8
	60	1.94	3.9532e+02	23.1
	61	1.94	1.1589e+03	67.7
	62	1.94	1.9176e+03	112.1
	63	1.95	2.6714e+03	156.1
	64	1.95	3.4205e+03	199.9
	65	1.95	4.1649e+03	243.4
	66	1.96	4.9047e+03	286.7
	67	1.96	5.6399e+03	329.6
	68	1.63	-4.9287e+02	-28.8
	69	1.59	-1.7554e+02	-10.3

- #5 -

```
=====
G W  q DTRUSS q W      VERSION 2.1
FILENAME: LAT202C3.T2    AUTHORITY:  q SONGKHEW q
PROJECT  : LANNA T202C3  ENGINEER:  CHANASORN
H=====
```

```
      G W /* SUPPORT  REACTION (kg) */
W H-----
G      Node          X - Force      Y - Force
H-----
      1             -2.6474e-04      5.2205e+03
      16             0.0000e+00      4.9446e+03
=====
```

```
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FILENAME: LAT202C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T202C3   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, 240
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, 70
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, 240
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, 70
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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FILENAME: LAT202C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T202C3   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    0.36      6.0, 130
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    0.18      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, 50
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
=====
```