

- #1 -

```
=====
G W  q DTRUSS q W      VERSION 2.1
FILENAME: LAT207C3.T2    AUTHORITY:  q SONGKHEW q
PROJECT : LANNA T207C3   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     -1.5938e-02     -4.2937e-01
      3     -2.1985e-02     -8.2027e-01
      4     -1.8970e-02     -1.1669e+00
      5     -7.2761e-03     -1.4564e+00
      6      1.1855e-02     -1.6695e+00
      7      3.7082e-02     -1.8095e+00
      8      6.7471e-02     -1.8733e+00
      9      1.0196e-01     -1.8601e+00
     10      1.3936e-01     -1.7712e+00
     11      1.7836e-01     -1.6102e+00
     12      2.1752e-01     -1.3830e+00
     13      2.5530e-01     -1.0973e+00
     14      2.9004e-01     -7.6325e-01
     15      3.1994e-01     -3.9270e-01
     16      3.4311e-01      0.0000e+00
     17      3.4300e-01      1.9253e-01
     18      3.4300e-01      3.8734e-01
     19      3.4866e-01     -7.4833e-04
     20      3.2505e-01     -4.1195e-01
     21      2.9219e-01     -8.0758e-01
     22      2.5447e-01     -1.1564e+00
     23      2.1366e-01     -1.4480e+00
     24      1.7190e-01     -1.6657e+00
     25      1.3168e-01     -1.8079e+00
     26      9.4181e-02     -1.8738e+00
     27      6.0573e-02     -1.8628e+00
     28      3.1891e-02     -1.7760e+00
     29      9.0285e-03     -1.6173e+00
     30     -7.2518e-03     -1.3923e+00
     31     -1.6321e-02     -1.1088e+00
     32     -1.7681e-02     -7.7696e-01
     33     -1.0959e-02     -4.0863e-01
     34      4.0916e-03     -1.7849e-02
     35      1.5873e-02      1.9327e-01
     36      2.6443e-02      3.8741e-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          5.1271e+03          149.8
      2          1.42          8.9468e+03          261.4
      3          1.42          1.2170e+04          355.6
      4          1.42          1.4803e+04          432.6
      5          1.42          1.6216e+04          473.9
      6          1.42          1.7055e+04          498.4
      7          1.42          1.7325e+04          506.3
      8          1.42          1.7031e+04          497.7
      9          1.42          1.6180e+04          472.8
     10          1.42          1.4776e+04          431.8
     11          1.42          1.2825e+04          374.8
     12          1.42          1.0332e+04          301.9
     13          1.42          7.3026e+03          213.4
     14          1.42          3.7415e+03          109.3
     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          -5.1261e+03          -149.8
     20          1.42          -8.9450e+03          -261.4
     21          1.42          -1.2168e+04          -355.6
     22          1.42          -1.4800e+04          -432.5
     23          1.42          -1.6213e+04          -473.8
     24          1.42          -1.7052e+04          -498.3
     25          1.42          -1.7322e+04          -506.2
     26          1.42          -1.7028e+04          -497.6
     27          1.42          -1.6177e+04          -472.7
     28          1.42          -1.4773e+04          -431.7
     29          1.42          -1.2823e+04          -374.7
     30          1.42          -1.0330e+04          -301.9
     31          1.42          -7.3011e+03          -213.4
     32          1.42          -3.7407e+03          -109.3
     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          4.5542e+03          266.2
     37          1.38          3.3041e+03          193.1
     38          1.38          2.7369e+03          160.0
     39          1.39          2.1715e+03          126.9
     40          1.39          9.8597e+02          57.6
     41          1.40          4.2627e+02          24.9
     42          1.40          -1.3166e+02          -7.7
     43          1.41          -6.8785e+02          -40.2
     44          1.41          -1.2423e+03          -72.6
     45          1.42          -1.7951e+03          -104.9
=====
```

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PROJECT : LANNA T207C3   ENGINEER: CHANASORN
H=====
```

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

G	Element	Length,m.	Force,kg(P)	Stress,ksc(fa)
H-----				
	46	1.42	-2.3461e+03	-137.1
	47	1.43	-2.8955e+03	-169.2
	48	1.43	-3.4432e+03	-201.2
	49	1.44	-3.9893e+03	-233.2
	50	1.44	-4.4537e+03	-260.3
	51	1.39	1.9177e+02	11.2
	52	1.35	2.0292e+01	1.2
	53	1.91	-6.9197e+03	-404.4
	54	1.92	-5.1636e+03	-301.8
	55	1.92	-4.3648e+03	-255.1
	56	1.92	-3.5712e+03	-208.7
	57	1.93	-1.9199e+03	-112.2
	58	1.93	-1.1413e+03	-66.7
	59	1.93	-3.6773e+02	-21.5
	60	1.94	4.0078e+02	23.4
	61	1.94	1.1643e+03	68.0
	62	1.94	1.9230e+03	112.4
	63	1.95	2.6768e+03	156.4
	64	1.95	3.4259e+03	200.2
	65	1.95	4.1702e+03	243.7
	66	1.96	4.9100e+03	287.0
	67	1.96	5.6452e+03	329.9
	68	1.63	-4.9287e+02	-28.8
	69	1.59	-1.7554e+02	-10.3

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PROJECT  : LANNA T207C3   ENGINEER: CHANASORN
H=====
```

```

G W /* SUPPORT REACTION (kg) */
W H-----
G      Node      X - Force      Y - Force
H-----
      1      -5.2224e-04      5.2057e+03
      16      0.0000e+00      4.9484e+03
=====
```

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PROJECT : LANNA T207C3   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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PROJECT : LANNA T207C3   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    0.19      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
=====
```