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=====
G W   q DTRUSS q W   VERSION 2.1
FILENAME: LAT205C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T205C3   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     -1.6104e-02     -4.3586e-01
      3     -2.2137e-02     -8.3189e-01
      4     -1.8969e-02     -1.1830e+00
      5     -6.9743e-03     -1.4761e+00
      6      1.2536e-02     -1.6907e+00
      7      3.8151e-02     -1.8313e+00
      8      6.8933e-02     -1.8948e+00
      9      1.0381e-01     -1.8805e+00
     10      1.4159e-01     -1.7898e+00
     11      1.8096e-01     -1.6266e+00
     12      2.2048e-01     -1.3967e+00
     13      2.5859e-01     -1.1079e+00
     14      2.9362e-01     -7.7045e-01
     15      3.2378e-01     -3.9635e-01
     16      3.4717e-01      0.0000e+00
     17      3.4706e-01      1.9448e-01
     18      3.4706e-01      3.9125e-01
     19      3.5341e-01     -7.4833e-04
     20      3.2945e-01     -4.1801e-01
     21      2.9605e-01     -8.1902e-01
     22      2.5775e-01     -1.1723e+00
     23      2.1632e-01     -1.4675e+00
     24      1.7393e-01     -1.6870e+00
     25      1.3321e-01     -1.8297e+00
     26      9.5305e-02     -1.8954e+00
     27      6.1383e-02     -1.8832e+00
     28      3.2472e-02     -1.7948e+00
     29      9.4618e-03     -1.6338e+00
     30     -6.8930e-03     -1.4060e+00
     31     -1.5969e-02     -1.1195e+00
     32     -1.7273e-02     -7.8425e-01
     33     -1.0439e-02     -4.1237e-01
     34      4.7761e-03     -1.7943e-02
     35      1.6668e-02      1.9523e-01
     36      2.7343e-02      3.9132e-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          5.2422e+03          153.2
      2          1.42          9.1115e+03          266.3
      3          1.42          1.2384e+04          361.9
      4          1.42          1.5066e+04          440.3
      5          1.42          1.6455e+04          480.9
      6          1.42          1.7269e+04          504.6
      7          1.42          1.7514e+04          511.8
      8          1.42          1.7197e+04          502.5
      9          1.42          1.6321e+04          476.9
     10          1.42          1.4893e+04          435.2
     11          1.42          1.2918e+04          377.5
     12          1.42          1.0402e+04          304.0
     13          1.42          7.3490e+03          214.8
     14          1.42          3.7646e+03          110.0
     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          -5.2412e+03          -153.2
     20          1.42          -9.1097e+03          -266.2
     21          1.42          -1.2382e+04          -361.8
     22          1.42          -1.5063e+04          -440.2
     23          1.42          -1.6452e+04          -480.8
     24          1.42          -1.7266e+04          -504.5
     25          1.42          -1.7511e+04          -511.7
     26          1.42          -1.7193e+04          -502.4
     27          1.42          -1.6318e+04          -476.9
     28          1.42          -1.4890e+04          -435.1
     29          1.42          -1.2916e+04          -377.4
     30          1.42          -1.0400e+04          -303.9
     31          1.42          -7.3475e+03          -214.7
     32          1.42          -3.7639e+03          -110.0
     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          4.6654e+03          272.7
     37          1.38          3.3521e+03          195.9
     38          1.38          2.7848e+03          162.8
     39          1.39          2.2192e+03          129.7
     40          1.39          9.6179e+02           56.2
     41          1.40          4.0217e+02           23.5
     42          1.40          -1.5569e+02          -9.1
     43          1.41          -7.1180e+02          -41.6
     44          1.41          -1.2662e+03          -74.0
     45          1.42          -1.8188e+03          -106.3
=====
```

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PROJECT : LANNA T205C3   ENGINEER: CHANASORN
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G W /\* ELEMENT FORCE (Own weight inc.) \*/

G	Element	Length,m.	Force,kg(P)	Stress,ksc(fa)
H	-----	-----	-----	-----
	46	1.42	-2.3698e+03	-138.5
	47	1.43	-2.9191e+03	-170.6
	48	1.43	-3.4668e+03	-202.6
	49	1.44	-4.0128e+03	-234.5
	50	1.44	-4.4771e+03	-261.7
	51	1.39	1.9177e+02	11.2
	52	1.35	2.0292e+01	1.2
	53	1.91	-7.0751e+03	-413.5
	54	1.92	-5.2307e+03	-305.7
	55	1.92	-4.4315e+03	-259.0
	56	1.92	-3.6376e+03	-212.6
	57	1.93	-1.8864e+03	-110.2
	58	1.93	-1.1079e+03	-64.8
	59	1.93	-3.3450e+02	-19.5
	60	1.94	4.3384e+02	25.4
	61	1.94	1.1972e+03	70.0
	62	1.94	1.9557e+03	114.3
	63	1.95	2.7094e+03	158.4
	64	1.95	3.4583e+03	202.1
	65	1.95	4.2025e+03	245.6
	66	1.96	4.9421e+03	288.8
	67	1.96	5.6771e+03	331.8
	68	1.63	-4.9287e+02	-28.8
	69	1.59	-1.7554e+02	-10.3

- #5 -

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FILENAME: LAT205C3.T2    AUTHORITY:  q SONGKHEW q
PROJECT  : LANNA T205C3  ENGINEER:  CHANASORN
H=====
```

```

G W /* SUPPORT REACTION (kg) */
W H-----
G      Node      X - Force      Y - Force
H-----
      1      3.2477e-04      5.3173e+03
      16      0.0000e+00      4.9718e+03
=====
```

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PROJECT : LANNA T205C3   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    0.15      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    0.06      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    0.06      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    0.18      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    0.00      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 /\* 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, 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
=====
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