

- #1 -

```
=====
G W   q DTRUSS q W   VERSION 2.1
FILENAME: LAT206C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T206C3   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	-1.5311e-02	-4.0213e-01
	3	-2.1496e-02	-7.7255e-01
	4	-1.9144e-02	-1.1016e+00
	5	-8.6788e-03	-1.3770e+00
	6	8.9286e-03	-1.5840e+00
	7	3.2594e-02	-1.7219e+00
	8	6.1406e-02	-1.7869e+00
	9	9.4325e-02	-1.7779e+00
	10	1.3019e-01	-1.6959e+00
	11	1.6770e-01	-1.5442e+00
	12	2.0546e-01	-1.3279e+00
	13	2.4193e-01	-1.0548e+00
	14	2.7547e-01	-7.3426e-01
	15	3.0432e-01	-3.7803e-01
	16	3.2659e-01	0.0000e+00
	17	3.2649e-01	1.8466e-01
	18	3.2649e-01	3.7159e-01
	19	3.2922e-01	-7.4833e-04
	20	3.0706e-01	-3.8663e-01
	21	2.7647e-01	-7.6054e-01
	22	2.4115e-01	-1.0917e+00
	23	2.0288e-01	-1.3693e+00
	24	1.6361e-01	-1.5798e+00
	25	1.2541e-01	-1.7198e+00
	26	8.9527e-02	-1.7871e+00
	27	5.7173e-02	-1.7803e+00
	28	2.9402e-02	-1.7005e+00
	29	7.1317e-03	-1.5509e+00
	30	-8.8526e-03	-1.3368e+00
	31	-1.7899e-02	-1.0659e+00
	32	-1.9486e-02	-7.4760e-01
	33	-1.3218e-02	-3.9359e-01
	34	1.1733e-03	-1.7473e-02
	35	1.2510e-02	1.8540e-01
	36	2.2656e-02	3.7167e-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          4.6078e+03          134.7
      2          1.42          8.2480e+03          241.0
      3          1.42          1.1293e+04          330.0
      4          1.42          1.3749e+04          401.8
      5          1.42          1.5261e+04          446.0
      6          1.42          1.6199e+04          473.4
      7          1.42          1.6566e+04          484.1
      8          1.42          1.6370e+04          478.4
      9          1.42          1.5615e+04          456.3
     10          1.42          1.4306e+04          418.1
     11          1.42          1.2451e+04          363.8
     12          1.42          1.0052e+04          293.8
     13          1.42          7.1165e+03          208.0
     14          1.42          3.6488e+03          106.6
     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          -4.6069e+03          -134.6
     20          1.42          -8.2464e+03          -241.0
     21          1.42          -1.1291e+04          -330.0
     22          1.42          -1.3747e+04          -401.7
     23          1.42          -1.5259e+04          -445.9
     24          1.42          -1.6195e+04          -473.3
     25          1.42          -1.6563e+04          -484.0
     26          1.42          -1.6366e+04          -478.3
     27          1.42          -1.5612e+04          -456.2
     28          1.42          -1.4304e+04          -418.0
     29          1.42          -1.2448e+04          -363.8
     30          1.42          -1.0050e+04          -293.7
     31          1.42          -7.1152e+03          -207.9
     32          1.42          -3.6480e+03          -106.6
     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          4.0527e+03          236.9
     37          1.38          3.1302e+03          182.9
     38          1.38          2.5635e+03          149.8
     39          1.39          1.9987e+03          116.8
     40          1.39          1.0829e+03           63.3
     41          1.40          5.2289e+02           30.6
     42          1.40          -3.5367e+01          -2.1
     43          1.41          -5.9188e+02          -34.6
     44          1.41          -1.1467e+03          -67.0
     45          1.42          -1.6997e+03          -99.3
```

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```

```
G W /* ELEMENT FORCE (Own weight inc.) */
W H-----
G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
H-----
      46          1.42      -2.2511e+03      -131.6
      47          1.43      -2.8008e+03      -163.7
      48          1.43      -3.3488e+03      -195.7
      49          1.44      -3.8952e+03      -227.7
      50          1.44      -4.3599e+03      -254.8
      51          1.39       1.9177e+02       11.2
      52          1.35       2.0292e+01       1.2
      53          1.91      -6.2188e+03      -363.5
      54          1.92      -4.9210e+03      -287.6
      55          1.92      -4.1234e+03      -241.0
      56          1.92      -3.3311e+03      -194.7
      57          1.93      -2.0545e+03      -120.1
      58          1.93      -1.2751e+03       -74.5
      59          1.93      -5.0091e+02       -29.3
      60          1.94       2.6826e+02       15.7
      61          1.94       1.0325e+03       60.3
      62          1.94       1.7918e+03      104.7
      63          1.95       2.5462e+03      148.8
      64          1.95       3.2960e+03      192.6
      65          1.95       4.0410e+03      236.2
      66          1.96       4.7813e+03      279.4
      67          1.96       5.5171e+03      322.5
      68          1.63      -4.9287e+02       -28.8
      69          1.59      -1.7554e+02       -10.3
```

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PROJECT  : LANNA T206C3  ENGINEER:  CHANASORN
H=====
```

```

      G W /* SUPPORT  REACTION (kg) */
W H-----
G      Node          X - Force      Y - Force
H-----
      1             -9.4025e-05      4.7025e+03
      16             0.0000e+00      4.8546e+03
=====
```

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FILENAME: LAT206C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T206C3   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	0.04	6.0,	90
2	2[-125x65x6.0x8.0	36	3304.2	0.07	6.0,	160
3	2[-125x65x6.0x8.0	36	3304.2	0.10	6.0,	220
4	2[-125x65x6.0x8.0	36	3304.2	0.12	6.0,	260
5	2[-125x65x6.0x8.0	36	3304.2	0.13	6.0,	290
6	2[-125x65x6.0x8.0	36	3304.2	0.14	6.0,	310
7	2[-125x65x6.0x8.0	36	3304.2	0.15	6.0,	310
8	2[-125x65x6.0x8.0	36	3304.2	0.14	6.0,	310
9	2[-125x65x6.0x8.0	36	3304.2	0.14	6.0,	300
10	2[-125x65x6.0x8.0	36	3304.2	0.13	6.0,	270
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,	190
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,	90
20	2[-125x65x6.0x8.0	36	2771.8	0.09	6.0,	160
21	2[-125x65x6.0x8.0	36	2771.8	0.12	6.0,	220
22	2[-125x65x6.0x8.0	36	2771.8	0.14	6.0,	260
23	2[-125x65x6.0x8.0	36	2771.8	0.16	6.0,	290
24	2[-125x65x6.0x8.0	36	2771.8	0.17	6.0,	310
25	2[-125x65x6.0x8.0	36	2771.8	0.17	6.0,	310
26	2[-125x65x6.0x8.0	36	2771.8	0.17	6.0,	310
27	2[-125x65x6.0x8.0	36	2771.8	0.16	6.0,	300
28	2[-125x65x6.0x8.0	36	2771.8	0.15	6.0,	270
29	2[-125x65x6.0x8.0	36	2771.8	0.13	6.0,	240
30	2[-125x65x6.0x8.0	36	2771.8	0.11	6.0,	190
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	0.07	6.0,	80
37	[-125x65x6.0x8.0	70	3304.2	0.06	6.0,	60
38	[-125x65x6.0x8.0	71	3304.2	0.05	6.0,	50
39	[-125x65x6.0x8.0	71	3304.2	0.04	6.0,	40
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	0.05	6.0,	40

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PROJECT : LANNA T206C3   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    0.10      6.0, 70
49 [-125x65x6.0x8.0        73      1858.0    0.12      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    0.32      6.0, 120
54 [-125x65x6.0x8.0        98      1129.5    0.25      6.0, 100
55 [-125x65x6.0x8.0        98      1125.8    0.21      6.0, 80
56 [-125x65x6.0x8.0        98      1122.1    0.17      6.0, 70
57 [-125x65x6.0x8.0        98      1118.5    0.11      6.0, 40
58 [-125x65x6.0x8.0        98      1114.8    0.07      6.0, 40
59 [-125x65x6.0x8.0        99      1111.1    0.03      6.0, 40
60 [-125x65x6.0x8.0        99      3304.2    0.00      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    0.08      6.0, 90
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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