

- #1 -

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=====
G W   q DTRUSS q W   VERSION 2.1
FILENAME: LAT3C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T3C3   ENGINEER: CHANASORN
H=====
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G W /* STEEL WEIGHT */
W H-----
G      Material Set      Unit Weight,kg/m.      Total Weight,t.
H-----
      1      26.876      1.232
      2      13.438      1.279
=====
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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	2.1047e-03	-1.1903e-01
	3	6.1515e-03	-2.2902e-01
	4	1.1966e-02	-3.2846e-01
	5	1.9363e-02	-4.1590e-01
	6	2.8142e-02	-4.8998e-01
	7	3.8086e-02	-5.4943e-01
	8	4.8963e-02	-5.9309e-01
	9	6.0521e-02	-6.1999e-01
	10	7.2486e-02	-6.2932e-01
	11	8.4559e-02	-6.2050e-01
	12	9.6415e-02	-5.9322e-01
	13	1.0770e-01	-5.4751e-01
	14	1.1801e-01	-4.8380e-01
	15	1.2692e-01	-4.0301e-01
	16	1.3395e-01	-3.0664e-01
	17	1.3856e-01	-1.9693e-01
	18	1.4015e-01	-7.7039e-02
	19	1.3997e-01	0.0000e+00
	20	1.3990e-01	5.5416e-02
	21	1.3990e-01	1.1256e-01
	22	1.6425e-01	-9.6023e-04
	23	1.5871e-01	-9.7634e-02
	24	1.5013e-01	-2.1040e-01
	25	1.4021e-01	-3.1254e-01
	26	1.2921e-01	-4.0260e-01
	27	1.1738e-01	-4.7921e-01
	28	1.0502e-01	-5.4110e-01
	29	9.2383e-02	-5.8714e-01
	30	7.9780e-02	-6.1633e-01
	31	6.7503e-02	-6.2787e-01
	32	5.5863e-02	-6.2118e-01
	33	4.5176e-02	-5.9596e-01
	34	3.5767e-02	-5.5223e-01
	35	2.7973e-02	-4.9043e-01
	36	2.2134e-02	-4.1146e-01
	37	1.8601e-02	-3.1685e-01
	38	1.7729e-02	-2.0882e-01
	39	1.9879e-02	-9.0476e-02
	40	2.3682e-02	-1.4712e-02
	41	2.7734e-02	5.6082e-02
	42	3.0846e-02	1.1265e-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          1.21          1.2488e+03          36.5
      2          1.21          2.4011e+03          70.2
      3          1.21          3.4502e+03         100.8
      4          1.21          4.3887e+03         128.2
      5          1.21          5.2084e+03         152.2
      6          1.21          5.9002e+03         172.4
      7          1.21          6.4537e+03         188.6
      8          1.21          6.8576e+03         200.4
      9          1.21          7.0989e+03         207.5
     10          1.21          7.1633e+03         209.3
     11          1.21          7.0343e+03         205.6
     12          1.21          6.6933e+03         195.6
     13          1.21          6.1191e+03         178.8
     14          1.21          5.2874e+03         154.5
     15          1.21          4.1701e+03         121.9
     16          1.21          2.7350e+03          79.9
     17          1.21          9.4425e+02          27.6
     18          0.65         -2.0234e+02          -5.9
     19          0.84         -5.4477e+01          -1.6
     20          0.83          0.0000e+00           0.0
     21          1.21          0.0000e+00           0.0
     22          1.21         -1.2508e+03         -36.6
     23          1.21         -2.4050e+03         -70.3
     24          1.21         -3.4558e+03        -101.0
     25          1.21         -4.3959e+03        -128.5
     26          1.21         -5.2170e+03        -152.5
     27          1.21         -5.9098e+03        -172.7
     28          1.21         -6.4643e+03        -188.9
     29          1.21         -6.8688e+03        -200.7
     30          1.21         -7.1106e+03        -207.8
     31          1.21         -7.1751e+03        -209.7
     32          1.21         -7.0459e+03        -205.9
     33          1.21         -6.7043e+03        -195.9
     34          1.21         -6.1292e+03        -179.1
     35          1.21         -5.2961e+03        -154.8
     36          1.21         -4.1770e+03        -122.1
     37          1.21         -2.7395e+03         -80.1
     38          0.65         -9.4603e+02         -27.6
     39          0.84          2.0263e+02           5.9
     40          0.84          5.4556e+01           1.6
     41          2.88         -1.1967e+02          -7.0
     42          2.81          2.7324e+03         159.7
     43          2.74          2.4376e+03         142.5
     44          2.67          2.1387e+03         125.0
     45          2.61          1.8352e+03         107.3
=====
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PROJECT : LANNA T3C3   ENGINEER: CHANASORN
H=====
```

```
G W /* ELEMENT FORCE (Own weight inc.) */
W H-----
G      Element      Length,m.      Force,kg(P)      Stress,ksc(fa)
H-----
      46          2.54          1.5268e+03          89.2
      47          2.47          1.2127e+03          70.9
      48          2.40          8.9249e+02          52.2
      49          2.33          5.6547e+02          33.0
      50          2.26          2.3090e+02          13.5
      51          2.19         -1.1207e+02          -6.5
      52          2.12         -4.6437e+02         -27.1
      53          2.05         -8.2708e+02         -48.3
      54          1.98         -1.2014e+03         -70.2
      55          1.91         -1.5888e+03         -92.9
      56          1.84         -1.9908e+03        -116.4
      57          1.77         -2.4094e+03        -140.8
      58          1.70         -2.8350e+03        -165.7
      59          1.66         -3.1787e+03        -185.8
      60          1.62          1.4791e+02           8.6
      61          1.57          2.1790e+01           1.3
      62          3.06         -3.1583e+03        -184.6
      63          3.00         -2.8537e+03        -166.8
      64          2.94         -2.5433e+03        -148.6
      65          2.87         -2.2264e+03        -130.1
      66          2.81         -1.9020e+03        -111.2
      67          2.75         -1.5694e+03         -91.7
      68          2.69         -1.2274e+03         -71.7
      69          2.62         -8.7499e+02         -51.1
      70          2.56         -5.1070e+02         -29.8
      71          2.50         -1.3299e+02          -7.8
      72          2.44          2.5999e+02          15.2
      73          2.38          6.7037e+02          39.2
      74          2.32          1.1007e+03          64.3
      75          2.26          1.5538e+03          90.8
      76          2.20          2.0335e+03         118.8
      77          2.15          2.5437e+03         148.7
      78          2.09          3.0897e+03         180.6
      79          1.79          3.1496e+03         184.1
      80          1.82         -3.2242e+02         -18.8
      81          1.78         -1.1619e+02          -6.8
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PROJECT : LANNA T3C3      ENGINEER:  CHANASORN
H=====
```

```

      G W /* SUPPORT  REACTION (kg) */
W H-----
G      Node          X - Force      Y - Force
H-----
      1          4.6596e-05      3.0768e+03
      19         0.0000e+00      3.5086e+03
=====
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FILENAME: LAT3C3.T2   AUTHORITY:   q SONGKHEW q
PROJECT : LANNA T3C3   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	31	3304.2	0.01	6.0,	40
2	2[-125x65x6.0x8.0	31	3304.2	0.02	6.0,	50
3	2[-125x65x6.0x8.0	31	3304.2	0.03	6.0,	70
4	2[-125x65x6.0x8.0	31	3304.2	0.04	6.0,	90
5	2[-125x65x6.0x8.0	31	3304.2	0.05	6.0,	100
6	2[-125x65x6.0x8.0	31	3304.2	0.05	6.0,	120
7	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	130
8	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	130
9	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	140
10	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	140
11	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	140
12	2[-125x65x6.0x8.0	31	3304.2	0.06	6.0,	130
13	2[-125x65x6.0x8.0	31	3304.2	0.05	6.0,	120
14	2[-125x65x6.0x8.0	31	3304.2	0.05	6.0,	100
15	2[-125x65x6.0x8.0	31	3304.2	0.04	6.0,	80
16	2[-125x65x6.0x8.0	31	3304.2	0.02	6.0,	60
17	2[-125x65x6.0x8.0	31	3304.2	0.01	6.0,	40
18	2[-125x65x6.0x8.0	17	3111.6	0.00	6.0,	40
19	2[-125x65x6.0x8.0	21	3040.0	0.00	6.0,	40
20	2[-125x65x6.0x8.0	21	3304.2	0.00	6.0,	40
21	2[-125x65x6.0x8.0	31	3304.2	0.00	6.0,	40
22	2[-125x65x6.0x8.0	31	2873.1	0.01	6.0,	40
23	2[-125x65x6.0x8.0	31	2873.1	0.02	6.0,	50
24	2[-125x65x6.0x8.0	31	2873.1	0.04	6.0,	70
25	2[-125x65x6.0x8.0	31	2873.1	0.04	6.0,	90
26	2[-125x65x6.0x8.0	31	2873.1	0.05	6.0,	100
27	2[-125x65x6.0x8.0	31	2873.1	0.06	6.0,	120
28	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	130
29	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	130
30	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	140
31	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	140
32	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	140
33	2[-125x65x6.0x8.0	31	2873.1	0.07	6.0,	130
34	2[-125x65x6.0x8.0	31	2873.1	0.06	6.0,	120
35	2[-125x65x6.0x8.0	31	2873.1	0.05	6.0,	100
36	2[-125x65x6.0x8.0	31	2873.1	0.04	6.0,	80
37	2[-125x65x6.0x8.0	31	2873.1	0.03	6.0,	60
38	2[-125x65x6.0x8.0	17	3111.2	0.01	6.0,	40
39	2[-125x65x6.0x8.0	21	3304.2	0.00	6.0,	40
40	2[-125x65x6.0x8.0	21	3304.2	0.00	6.0,	40
41	[-125x65x6.0x8.0	147	499.8	0.01	6.0,	40
42	[-125x65x6.0x8.0	144	3304.2	0.05	6.0,	60
43	[-125x65x6.0x8.0	140	3304.2	0.04	6.0,	50
44	[-125x65x6.0x8.0	136	3304.2	0.04	6.0,	50
45	[-125x65x6.0x8.0	133	3304.2	0.03	6.0,	40

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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        129     3304.2     0.03      6.0, 40
47 [-125x65x6.0x8.0        126     3304.2     0.02      6.0, 40
48 [-125x65x6.0x8.0        122     3304.2     0.02      6.0, 40
49 [-125x65x6.0x8.0        119     3304.2     0.01      6.0, 40
50 [-125x65x6.0x8.0        115     3304.2     0.00      6.0, 40
51 [-125x65x6.0x8.0        112       867.0     0.01      6.0, 40
52 [-125x65x6.0x8.0        108       924.8     0.03      6.0, 40
53 [-125x65x6.0x8.0        105       988.4     0.05      6.0, 40
54 [-125x65x6.0x8.0        101     1058.9     0.07      6.0, 40
55 [-125x65x6.0x8.0         98     1137.3     0.08      6.0, 40
56 [-125x65x6.0x8.0         94     1224.6     0.10      6.0, 40
57 [-125x65x6.0x8.0         90     1322.4     0.11      6.0, 50
58 [-125x65x6.0x8.0         87     1432.4     0.12      6.0, 60
59 [-125x65x6.0x8.0         85     1499.4     0.12      6.0, 60
60 [-125x65x6.0x8.0         83     3304.2     0.00      6.0, 40
61 [-125x65x6.0x8.0         80     3304.2     0.00      6.0, 40
62 [-125x65x6.0x8.0        156       442.7     0.42      6.0, 60
63 [-125x65x6.0x8.0        153       461.7     0.36      6.0, 60
64 [-125x65x6.0x8.0        150       481.8     0.31      6.0, 50
65 [-125x65x6.0x8.0        147       503.2     0.26      6.0, 50
66 [-125x65x6.0x8.0        143       526.0     0.21      6.0, 40
67 [-125x65x6.0x8.0        140       550.2     0.17      6.0, 40
68 [-125x65x6.0x8.0        137       575.9     0.12      6.0, 40
69 [-125x65x6.0x8.0        134       603.4     0.08      6.0, 40
70 [-125x65x6.0x8.0        131       632.6     0.05      6.0, 40
71 [-125x65x6.0x8.0        128       663.8     0.01      6.0, 40
72 [-125x65x6.0x8.0        125     3304.2     0.00      6.0, 40
73 [-125x65x6.0x8.0        121     3304.2     0.01      6.0, 40
74 [-125x65x6.0x8.0        118     3304.2     0.02      6.0, 40
75 [-125x65x6.0x8.0        115     3304.2     0.03      6.0, 40
76 [-125x65x6.0x8.0        112     3304.2     0.04      6.0, 40
77 [-125x65x6.0x8.0        110     3304.2     0.04      6.0, 50
78 [-125x65x6.0x8.0        107     3304.2     0.05      6.0, 60
79 [-125x65x6.0x8.0         91     3304.2     0.06      6.0, 60
80 [-125x65x6.0x8.0         93     1253.1     0.02      6.0, 40
81 [-125x65x6.0x8.0         91     1309.8     0.01      6.0, 40
=====
```