

StairDesigner

Joakim Lennartsson

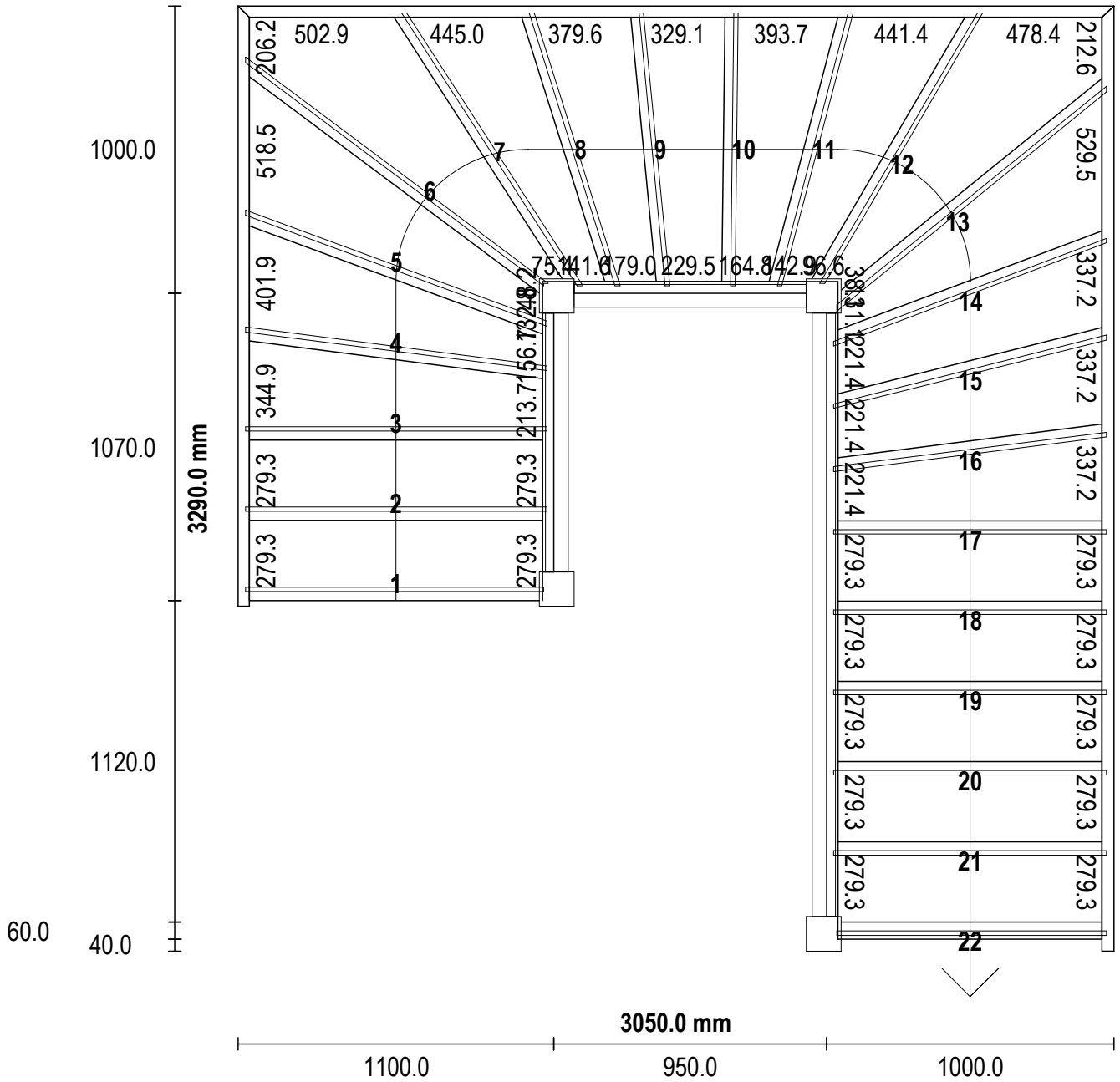
joakim01v02-12

Scale : 1/22

Multi-Flight Stair

Risers : 22
Floor Height : 3570.0 mm

Riser Height : 162.3 mm
Tread Width : 279.3 mm
Stair Rule : 603.9 mm



StairDesigner
Step : 1

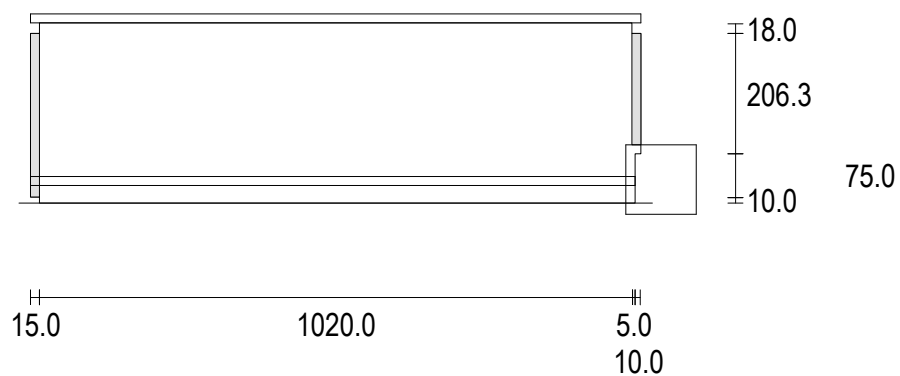
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1050.0 x 309.3

Riser

Width : 1040.0 Height : 132.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 2

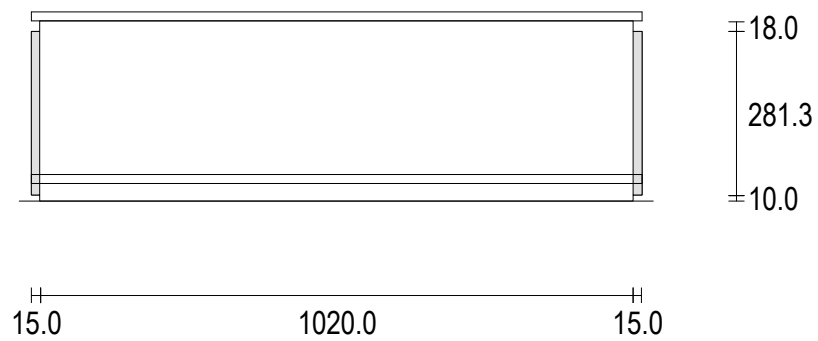
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1050.0 x 309.3

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 3

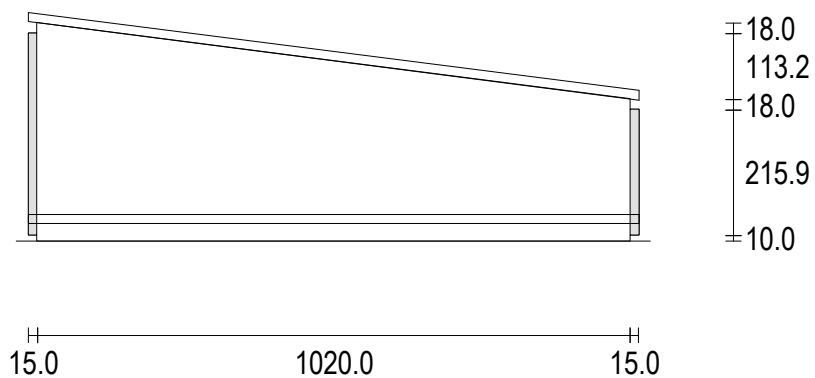
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1050.0 x 375.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 4

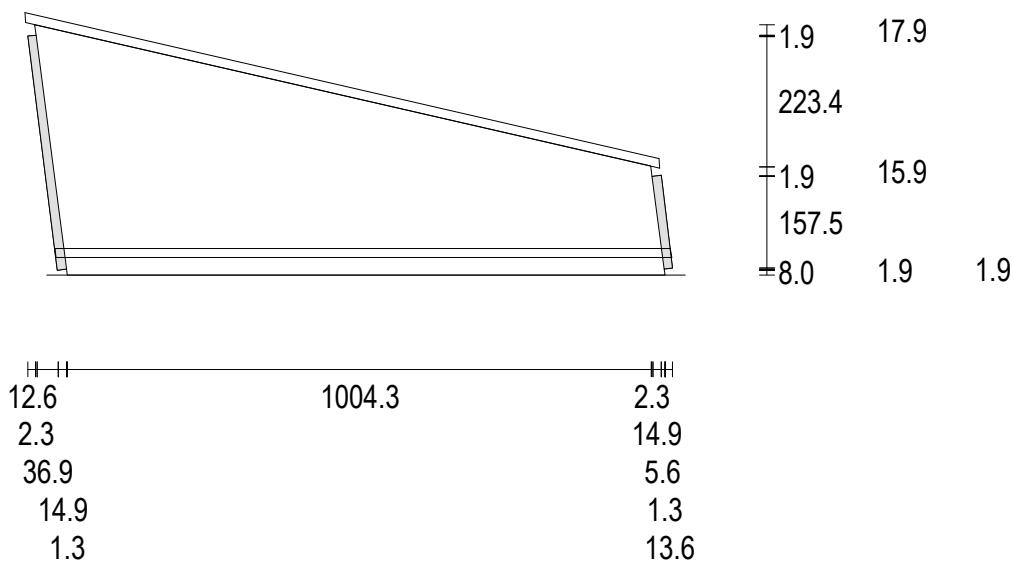
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1109.9 x 430.3

Riser

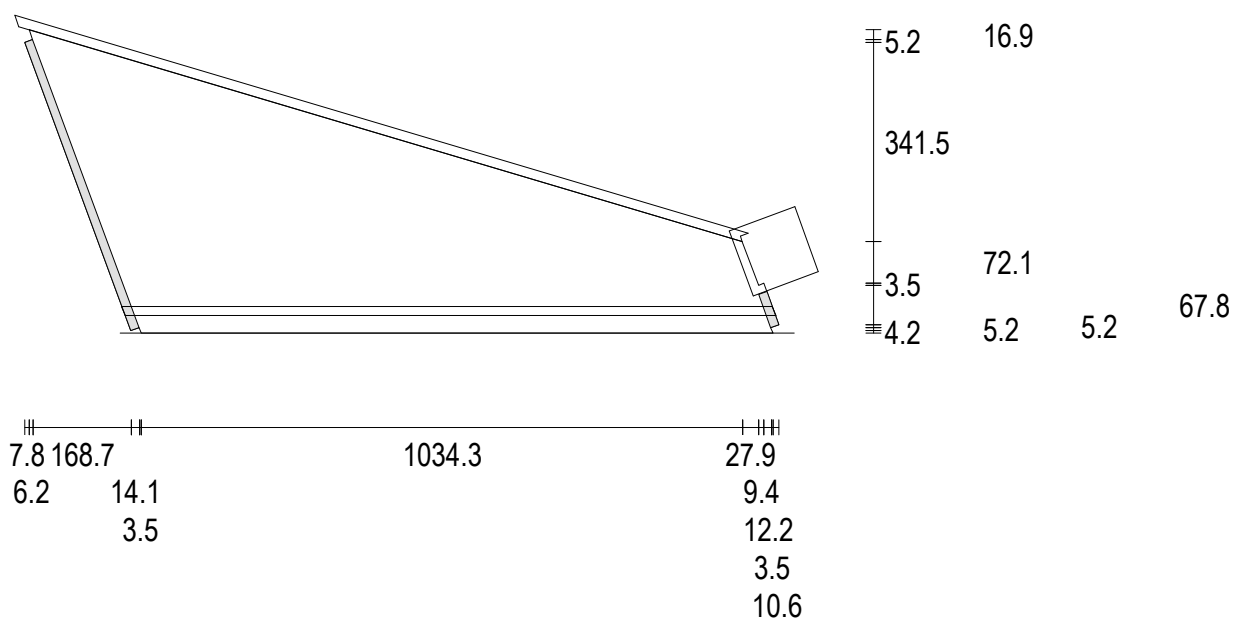
Width : 1060.7 Height : 172.3 Thickness : 16.0 Angle : 7.33



Step : 1298.1 x 521.5

Riser

Width : 1125.1 Height : 172.3 Thickness : 16.0 Angle : 20.25



StairDesigner
Step : 6

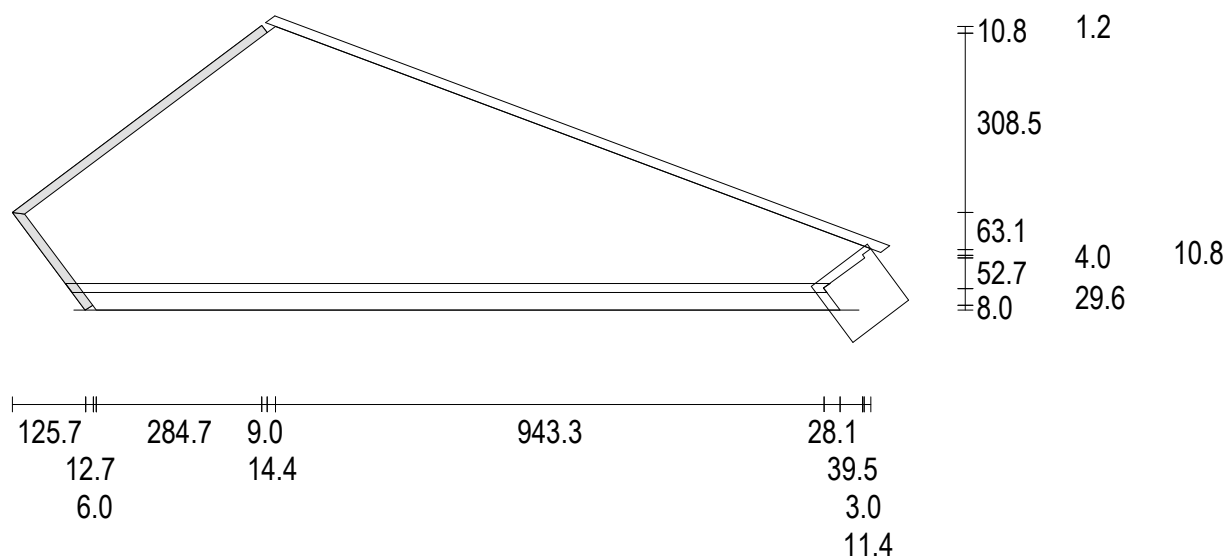
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1477.8 x 488.7

Riser

Width : 1315.7 Height : 172.3 Thickness : 16.0 Angle : 36.76



StairDesigner
Step : 7

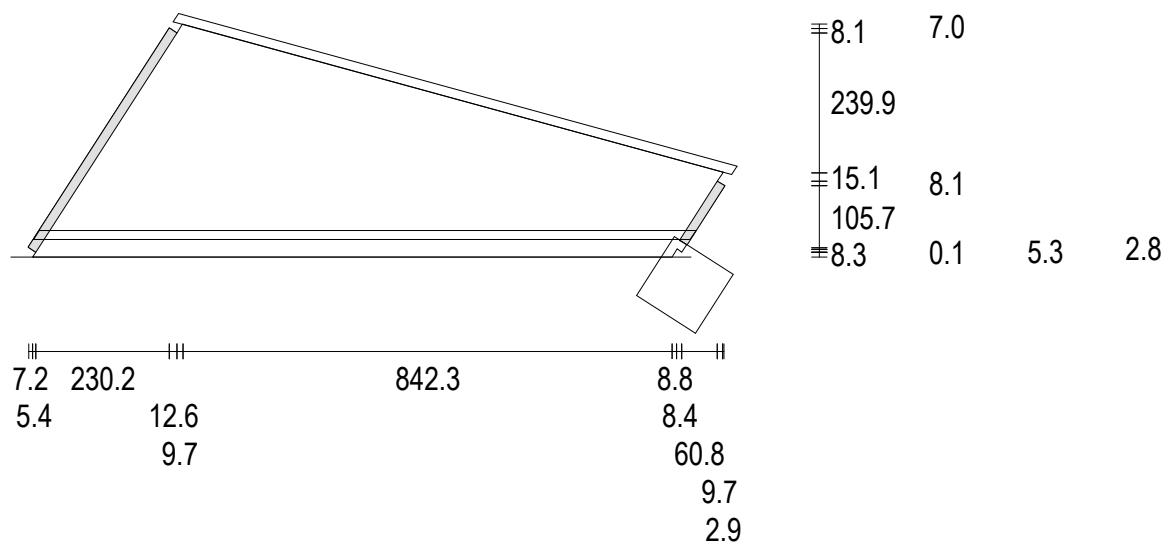
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1198.1 x 400.6

Riser

Width : 1140.3 Height : 172.3 Thickness : 16.0 Angle : -32.79



StairDesigner
Step : 8

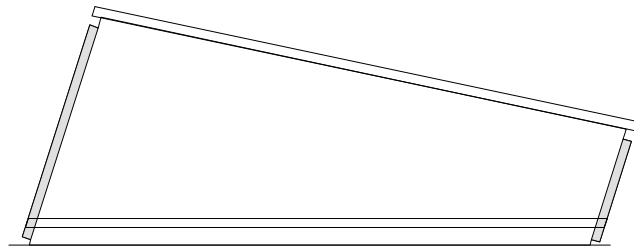
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1047.3 x 390.8

Riser

Width : 1000.9 Height : 172.3 Thickness : 16.0 Angle : -17.45



4.5	12.7
174.1	
4.5	17.2
163.8	
5.0	4.5 4.5

11.3	841.5	3.0
3.0		14.3
100.2		40.0
14.3		5.4
5.4		8.9

StairDesigner
Step : 9

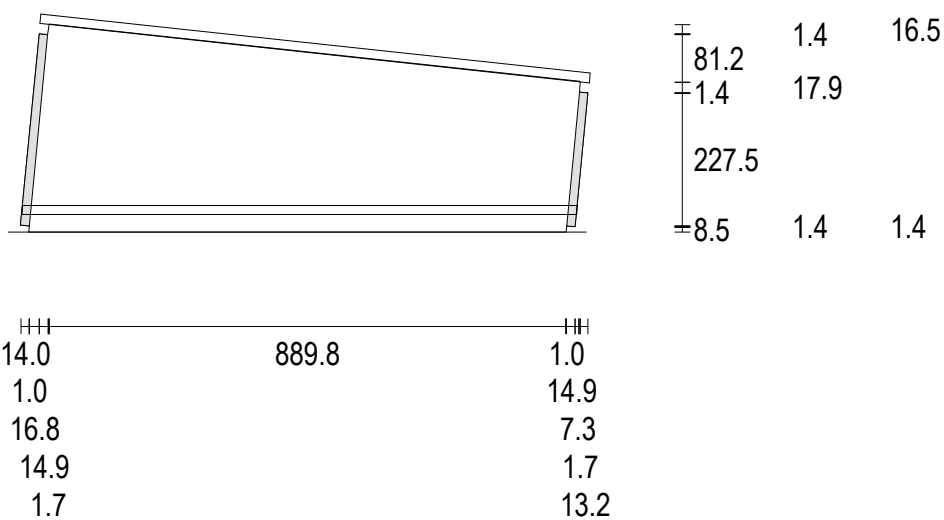
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 976.3 x 357.4

Riser

Width : 955.9 Height : 172.3 Thickness : 16.0 Angle : -5.51



StairDesigner
Step : 10

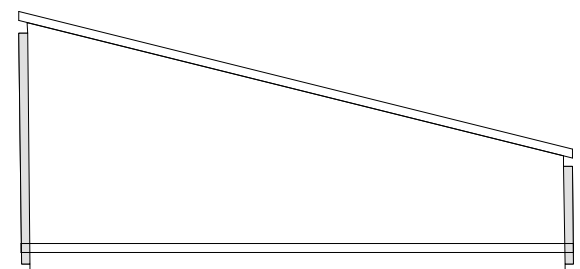
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 954.8 x 424.7

Riser

Width : 950.3 Height : 172.3 Thickness : 16.0 Angle : 0.68



0.2	18.0	
210.7		
0.2	17.8	
167.7		
9.8	0.2	0.2

4.7	917.7	0.2
10.1		2.0
0.2		0.1
4.7		12.9
0.1		2.0

StairDesigner
Step : 11

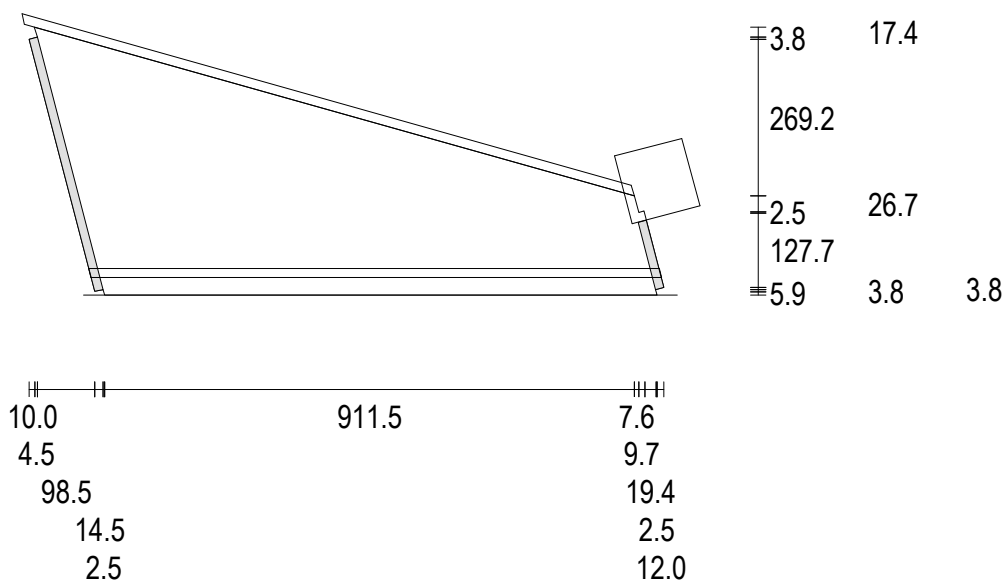
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1092.8 x 460.7

Riser

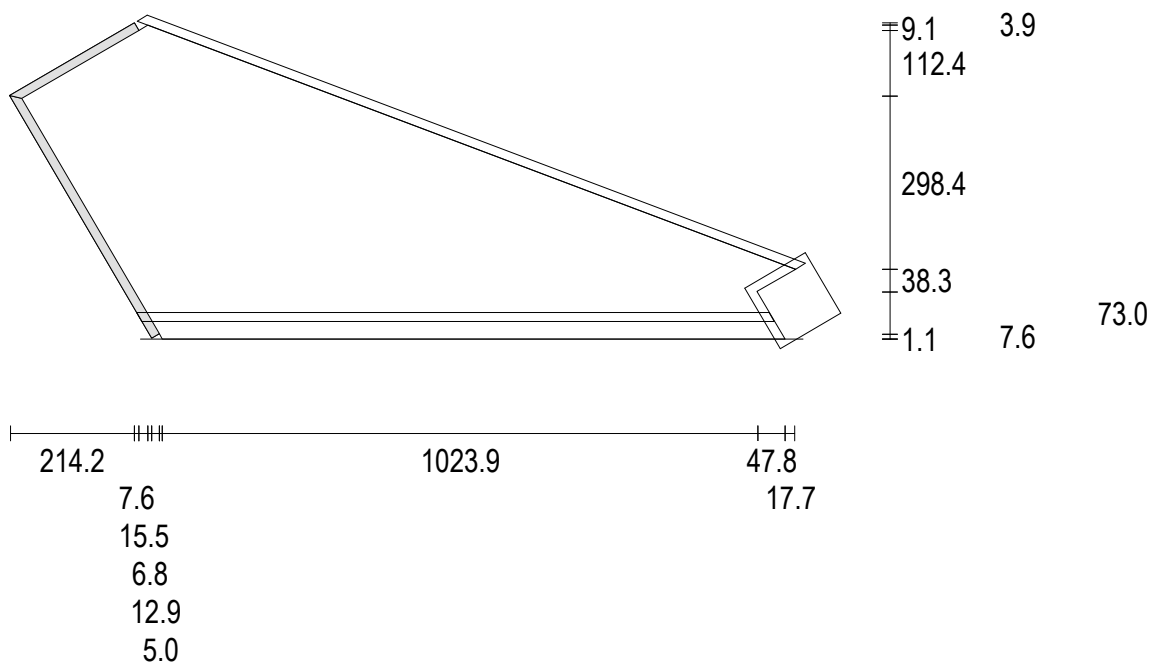
Width : 985.9 Height : 172.3 Thickness : 16.0 Angle : 14.61



Step : 1351.5 x 543.6

Riser

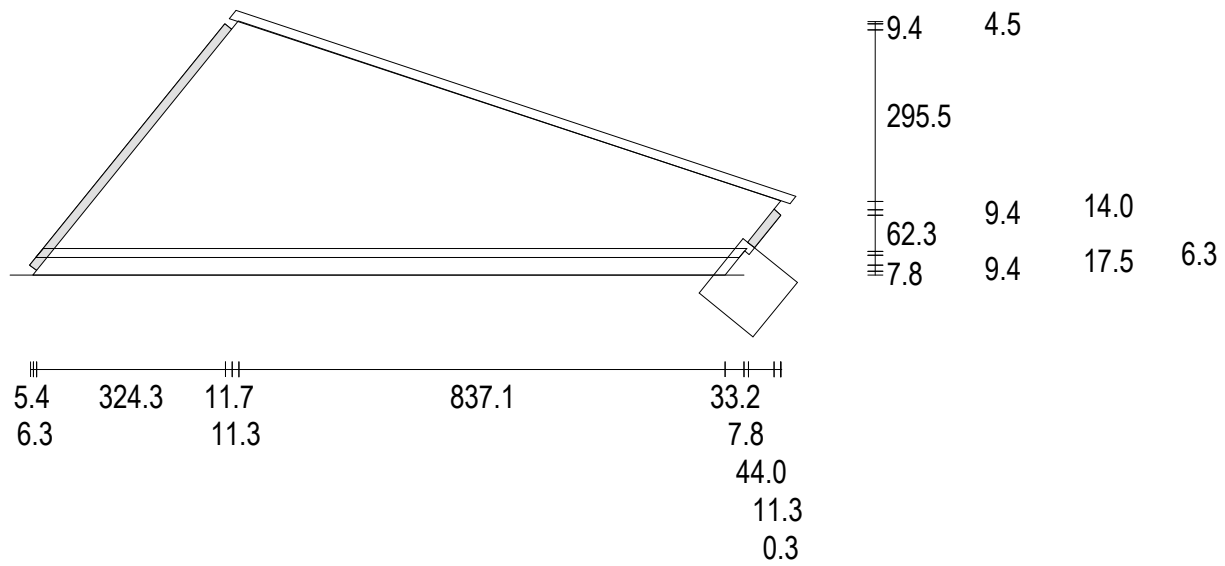
Width : 1098.4 Height : 172.3 Thickness : 16.0 Angle : 30.33



Step : 1292.6×436.3

Riser

Width : 1222.9 Height : 172.3 Thickness : 16.0 Angle : -39.02



StairDesigner
Step : 14

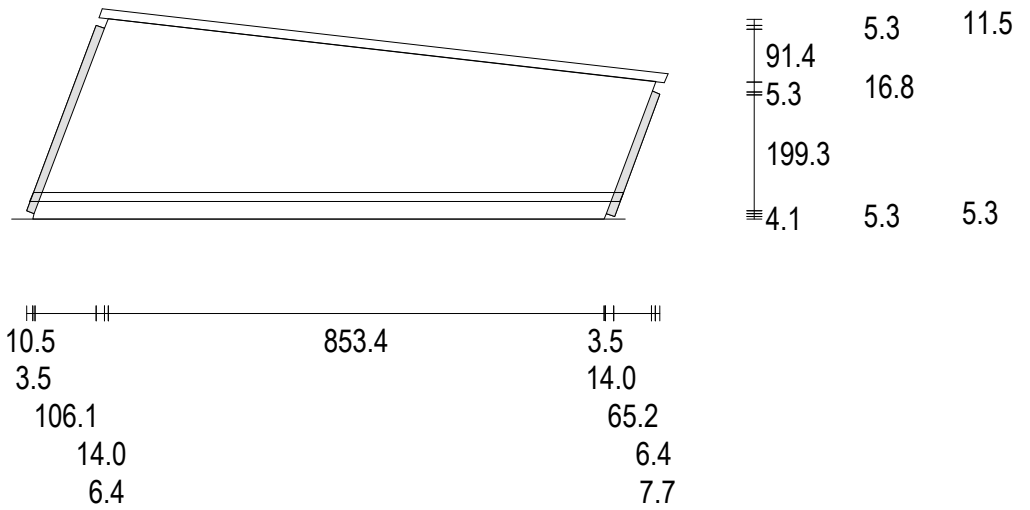
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1090.6 x 344.4

Riser

Width : 1021.4 Height : 172.3 Thickness : 16.0 Angle : -20.68



StairDesigner
Step : 15

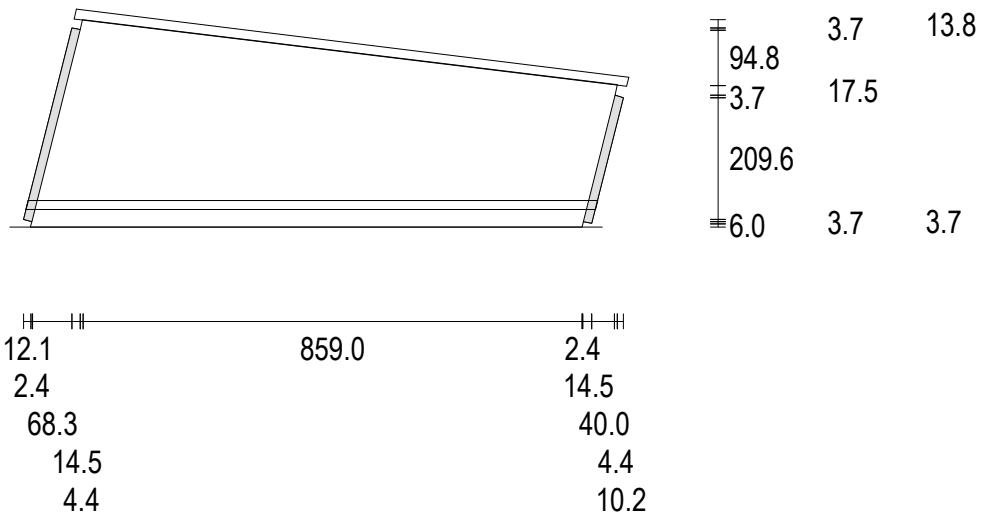
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 1032.3 x 356.3

Riser

Width : 983.6 Height : 172.3 Thickness : 16.0 Angle : -14.12



StairDesigner
Step : 16

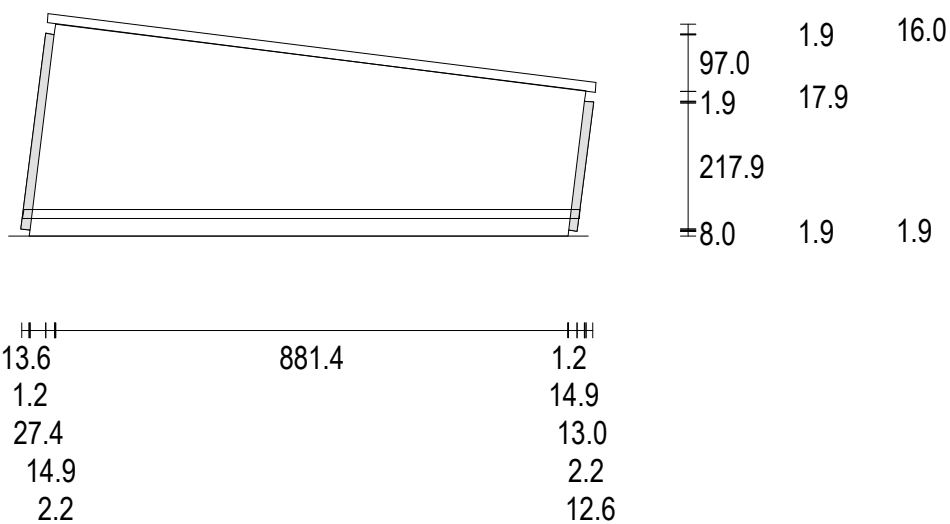
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 984.9 x 364.3

Riser

Width : 959.5 Height : 172.3 Thickness : 16.0 Angle : -7.17



StairDesigner
Step : 17

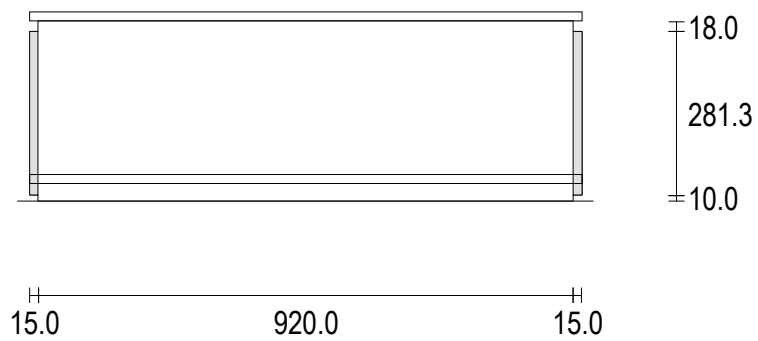
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 950.0 x 309.3

Riser

Width : 950.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 18

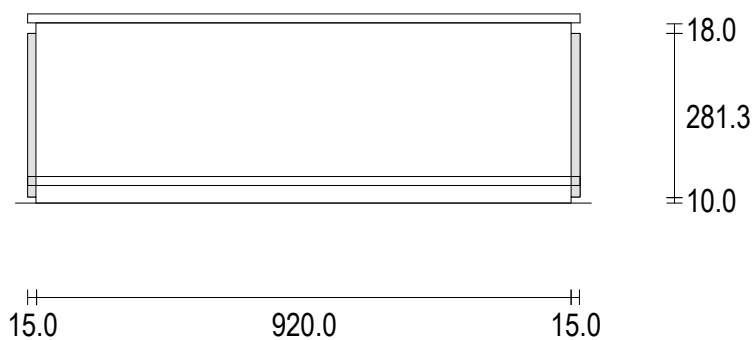
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 950.0 x 309.3

Riser

Width : 950.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 19

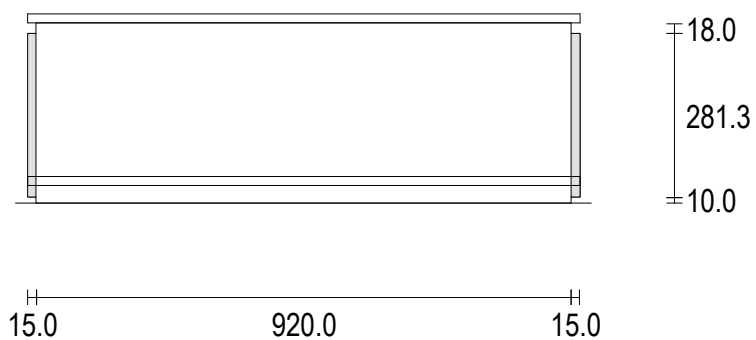
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 950.0 x 309.3

Riser

Width : 950.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 20

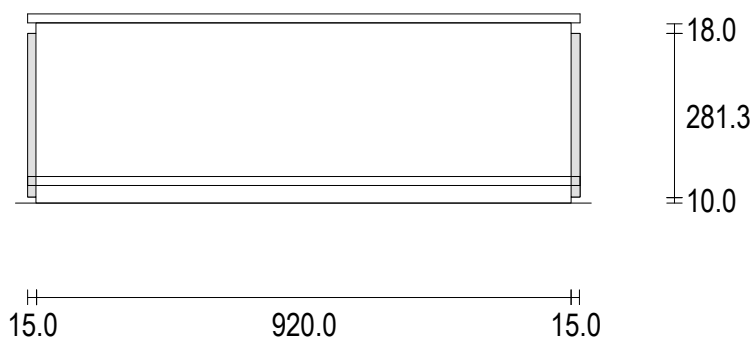
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 950.0 x 309.3

Riser

Width : 950.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 21

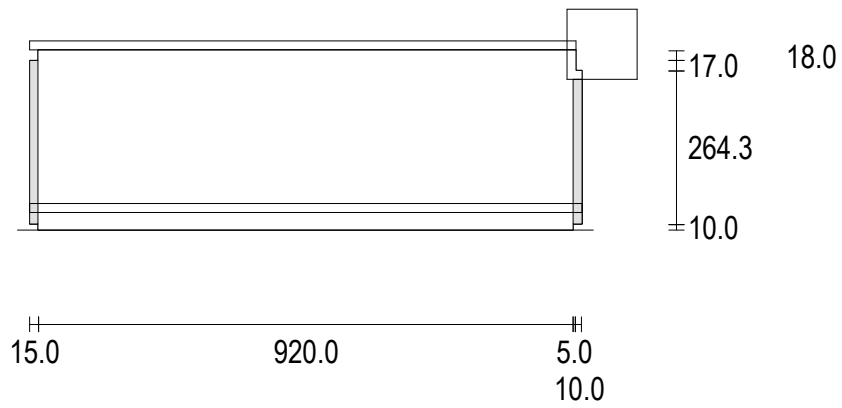
Joakim Lennartsson

joakim01v02-12
Scale : 1/13

Step : 950.0 x 309.3

Riser

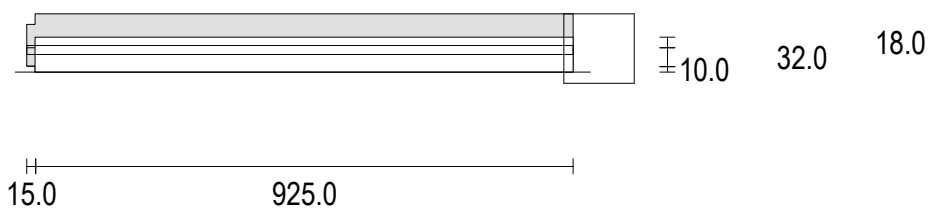
Width : 950.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



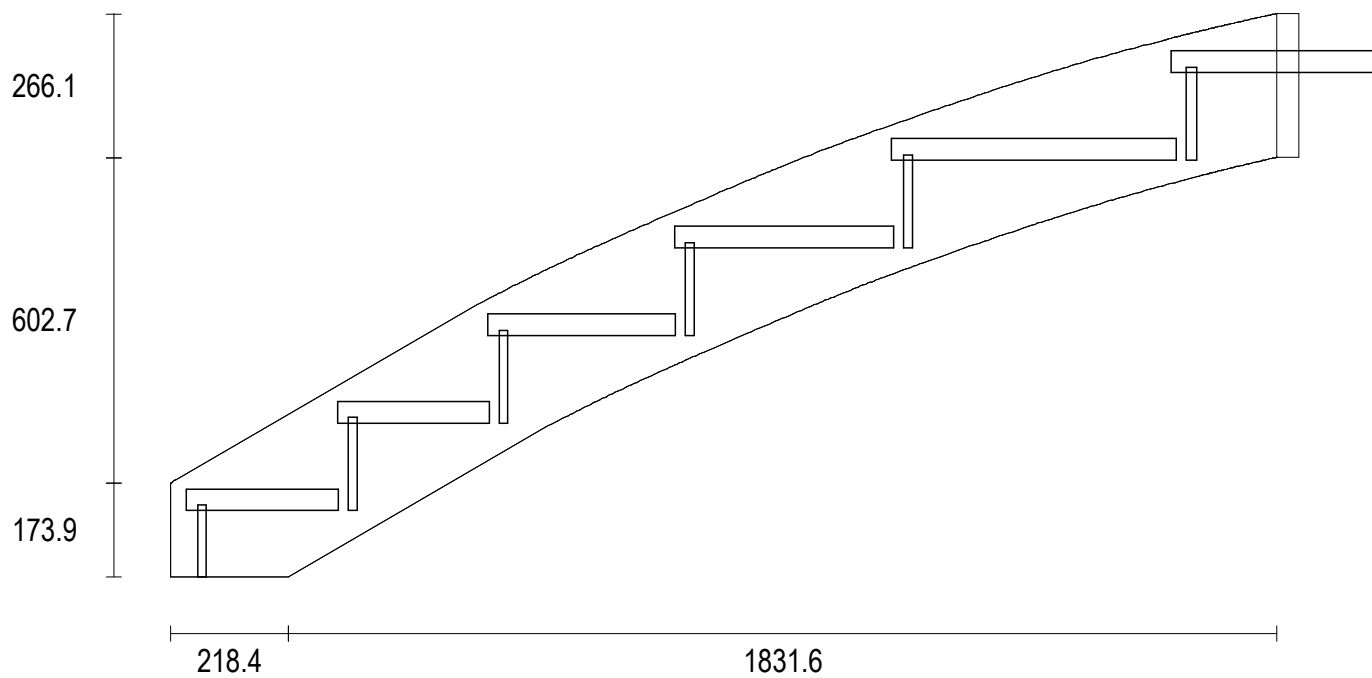
Landing Step

Riser

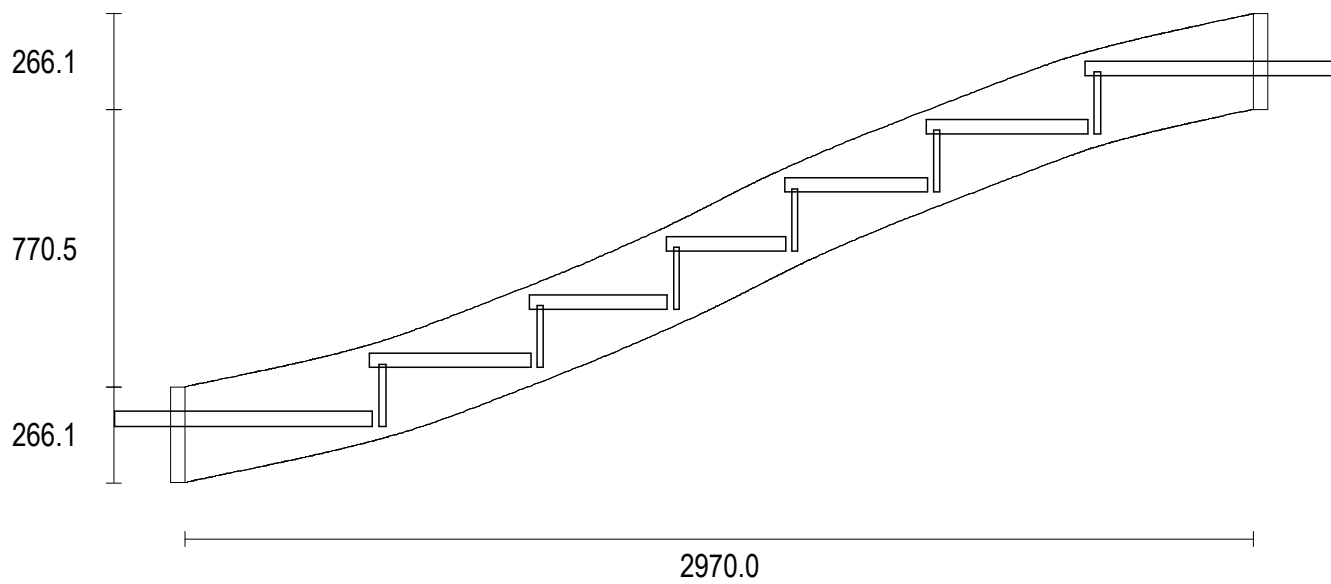
Width : 940.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



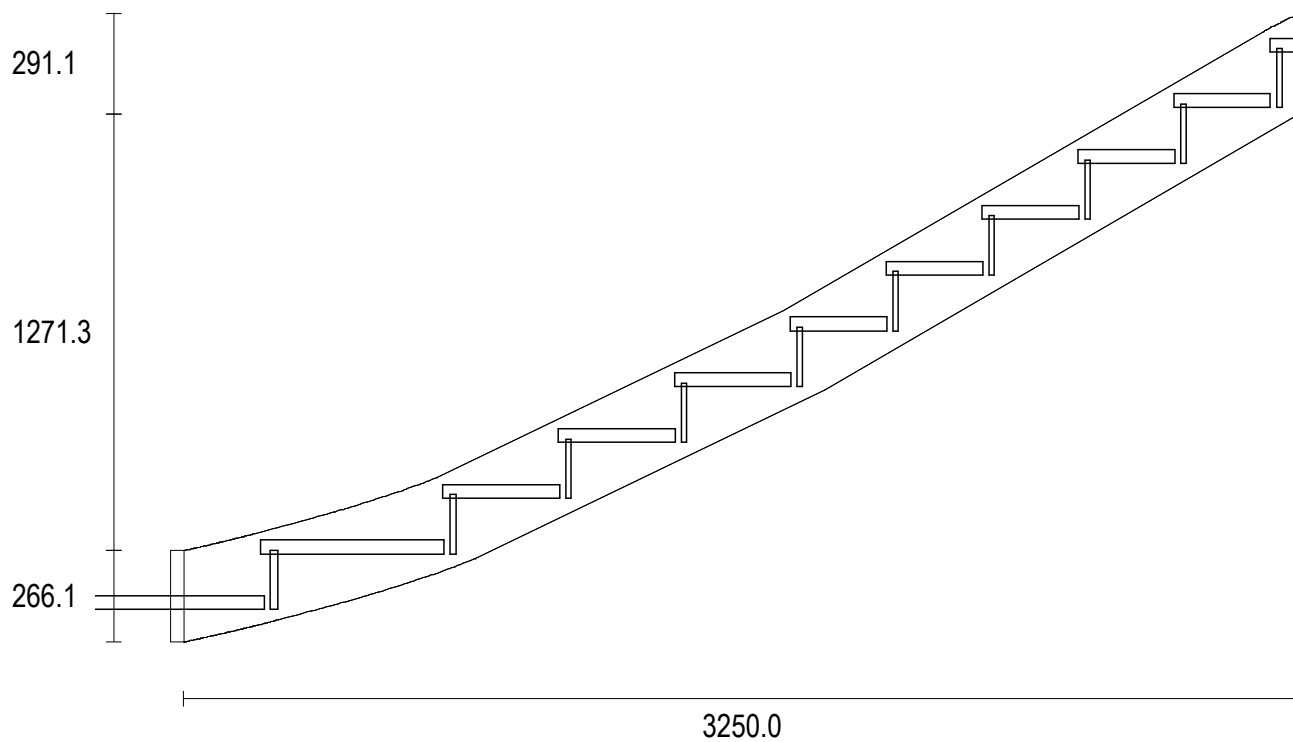
Dimensions : 2330.0 x 351.5 (22.5°)



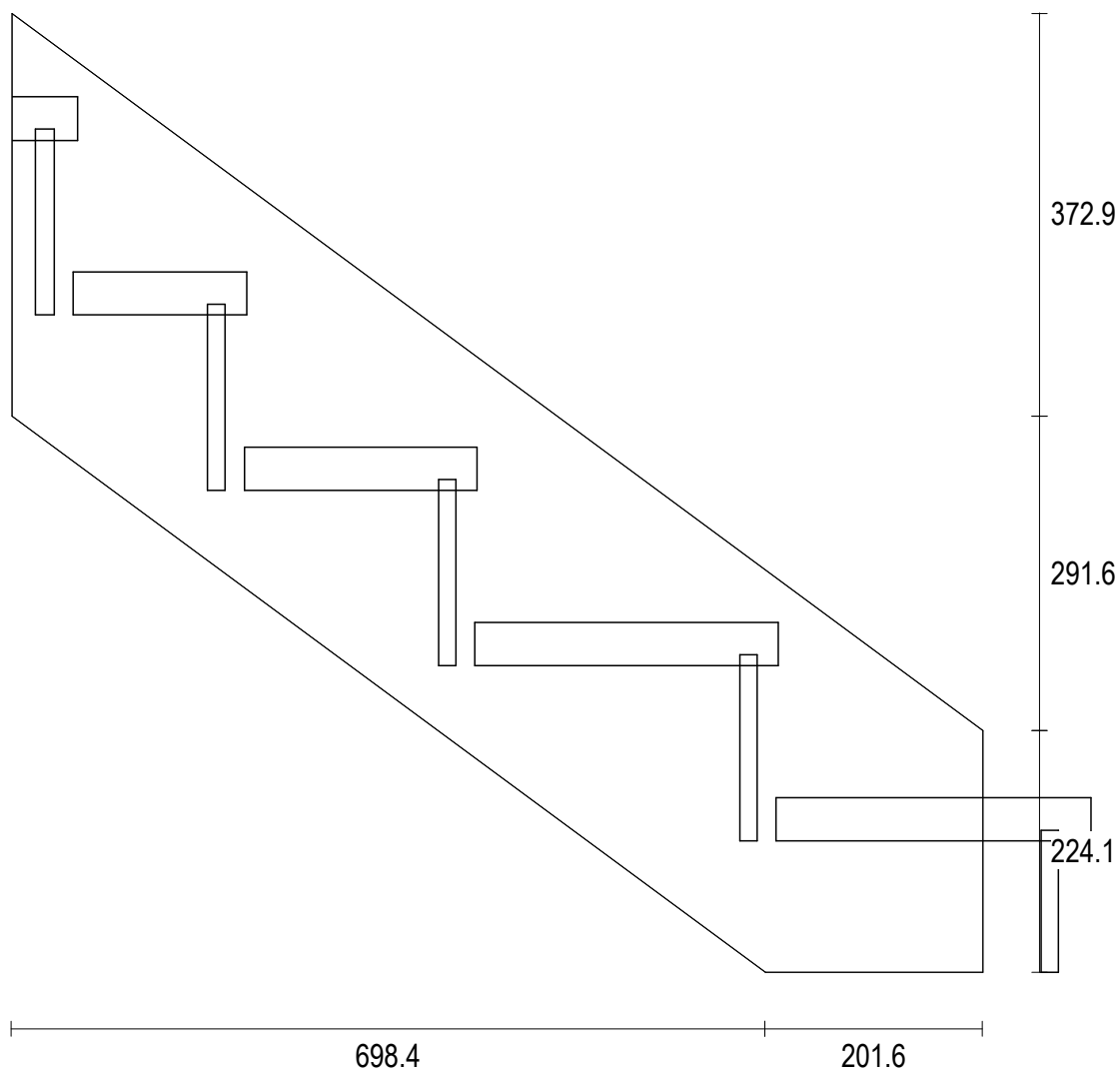
Dimensions : 3312.1 x 345.6 (20.2°)



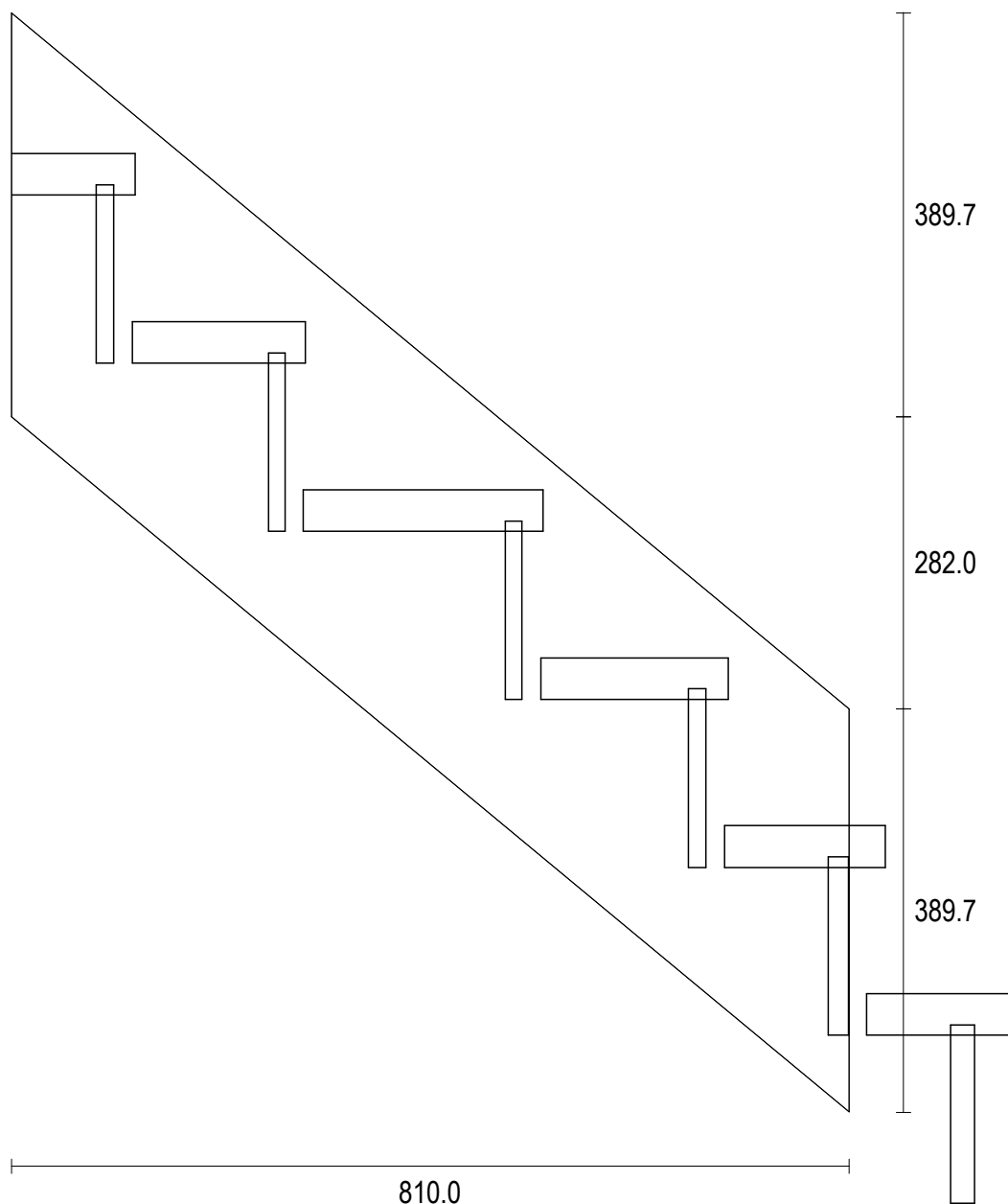
Dimensions : 3756.4 x 401.9 (25.4°)



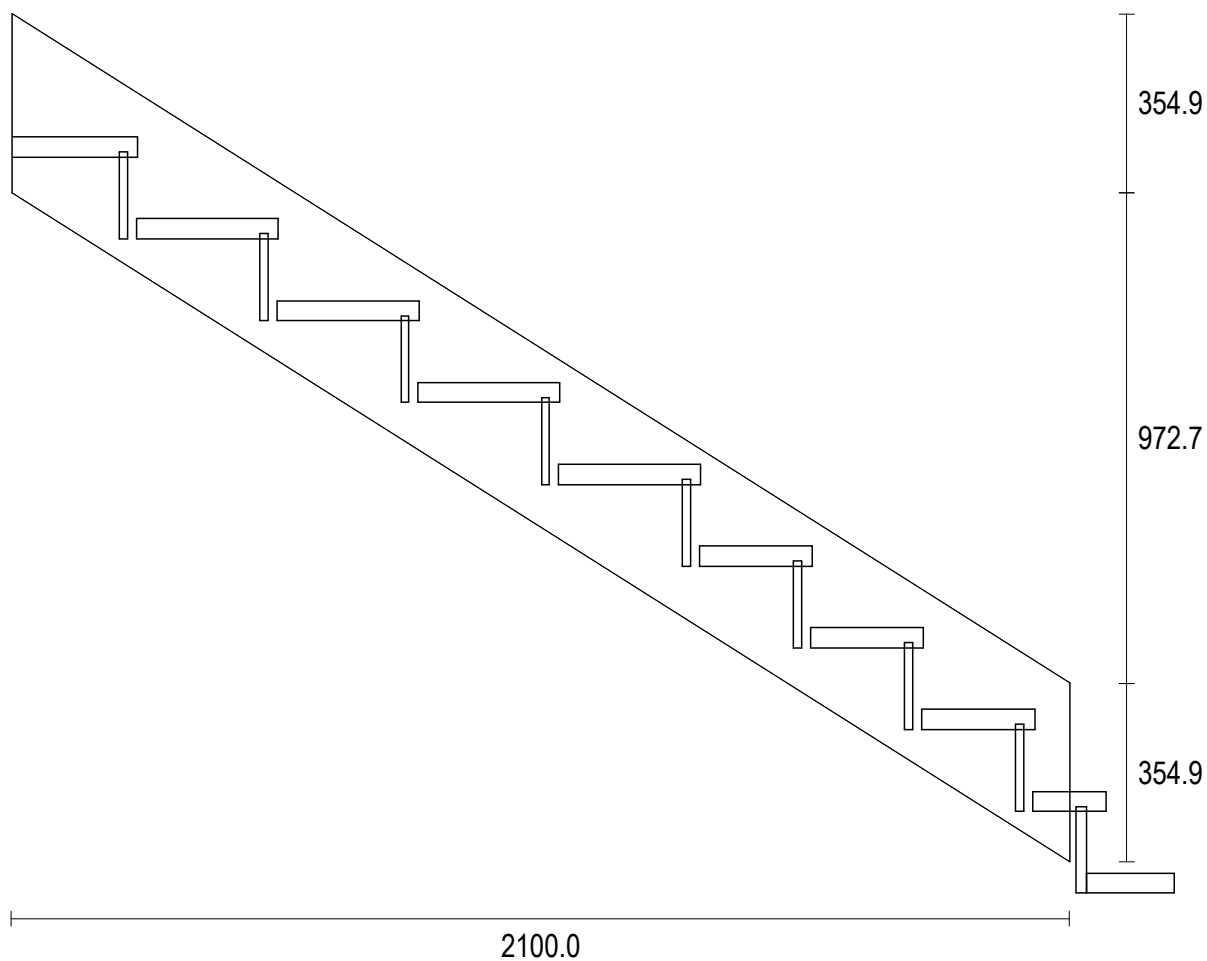
Dimensions : 1251.9 x 300.0 (36.4°)



Dimensions : 1301.0 x 300.0 (39.7°)



Dimensions : 2674.1 x 300.0 (32.3°)



StairDesigner
Newel Post : 1

Joakim Lennartsson

joakim01v02-12
Scale : 1/18

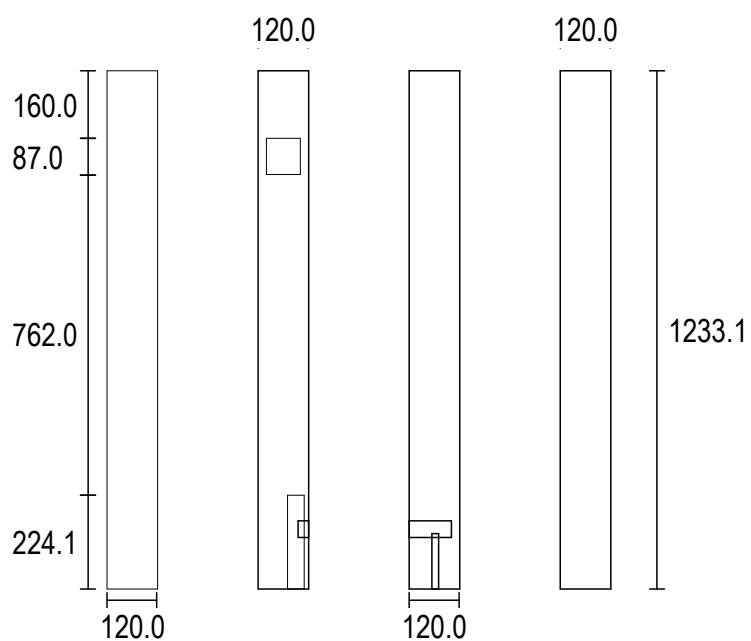
Extremity Newel Post Right Stringboard Flight : 1

Top View

Height : 1233.1

Step 1 Height : 162.3

Front 2 : Stringboard : 0.00 / 36.44 Handrail : 36.44



StairDesigner
Newel Post : 2

Joakim Lennartsson

joakim01v02-12
Scale : 1/18

Corner Newel Post Right Stringboard Flight : 1-2

Top View

Height : 2272.1

Angle : 90.00

Step 5 Height : 811.4

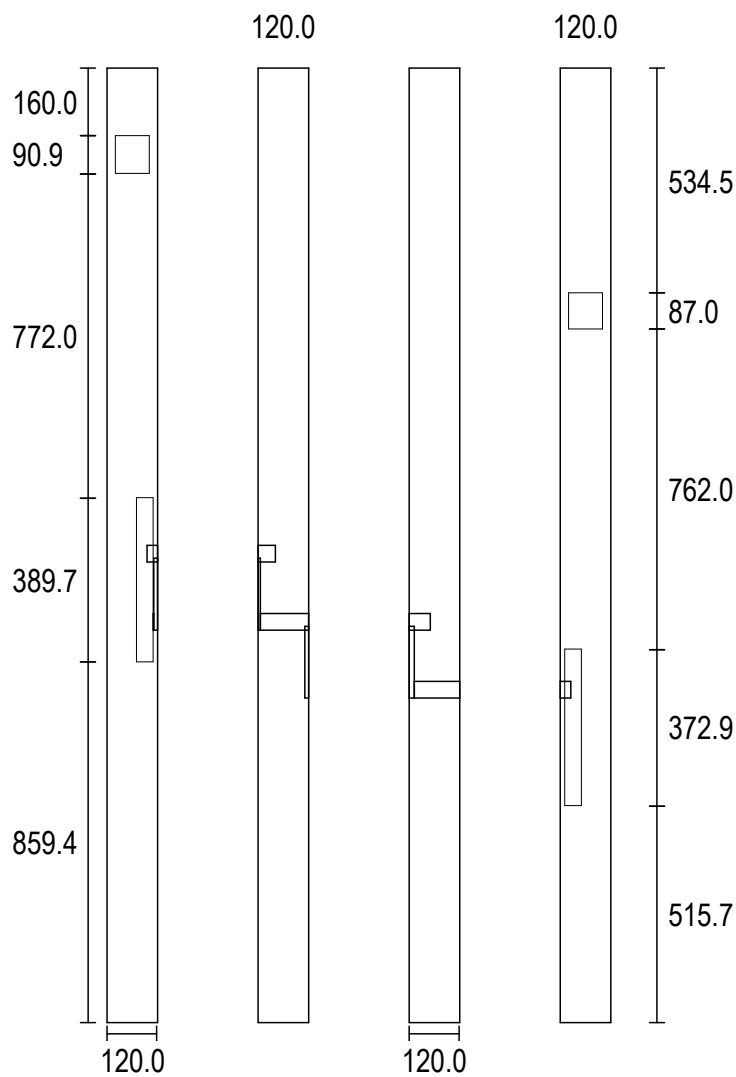


Step 6 Height : 973.6

Step 7 Height : 1135.9

Front 1 : Stringboard : 39.67 Handrail : 39.67

Front 4 : Stringboard : 36.44 Handrail : 36.44



StairDesigner
Newel Post : 3

Joakim Lennartsson

joakim01v02-12
Scale : 1/18

Corner Newel Post Right Stringboard Flight : 2-3

Top View

Height : 1955.5

Angle : 90.00

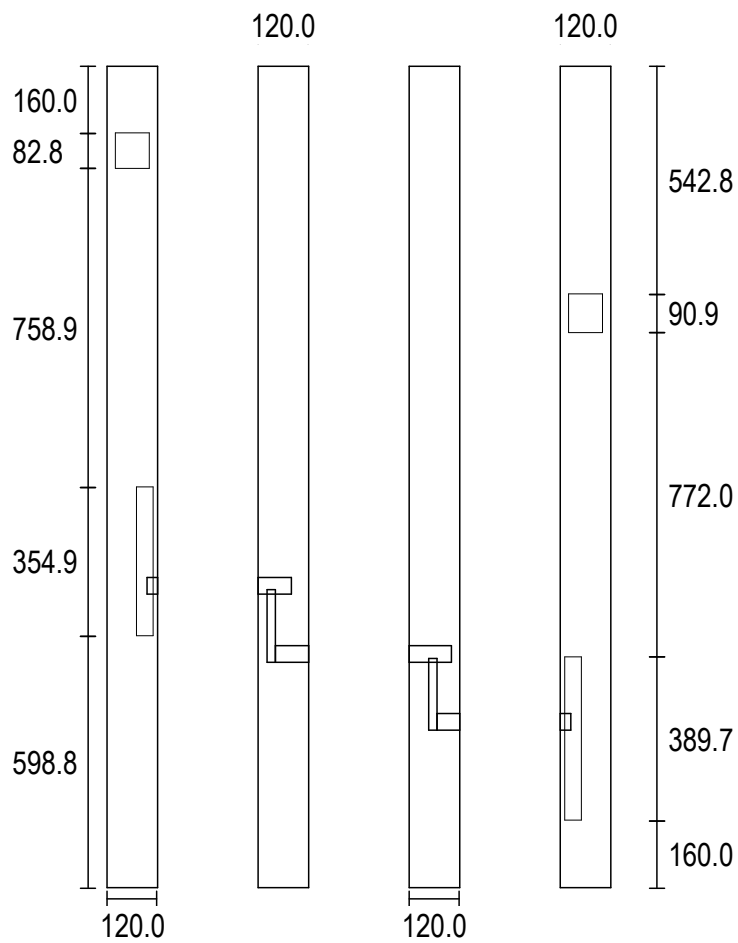
Step 11 Height : 413.9

Step 12 Height : 576.1

Step 13 Height : 738.4

Front 1 : Stringboard : 32.30 Handrail : 32.30

Front 4 : Stringboard : 39.67 Handrail : 39.67



Extremity Newel Post Right Stringboard Flight : 3

Top View

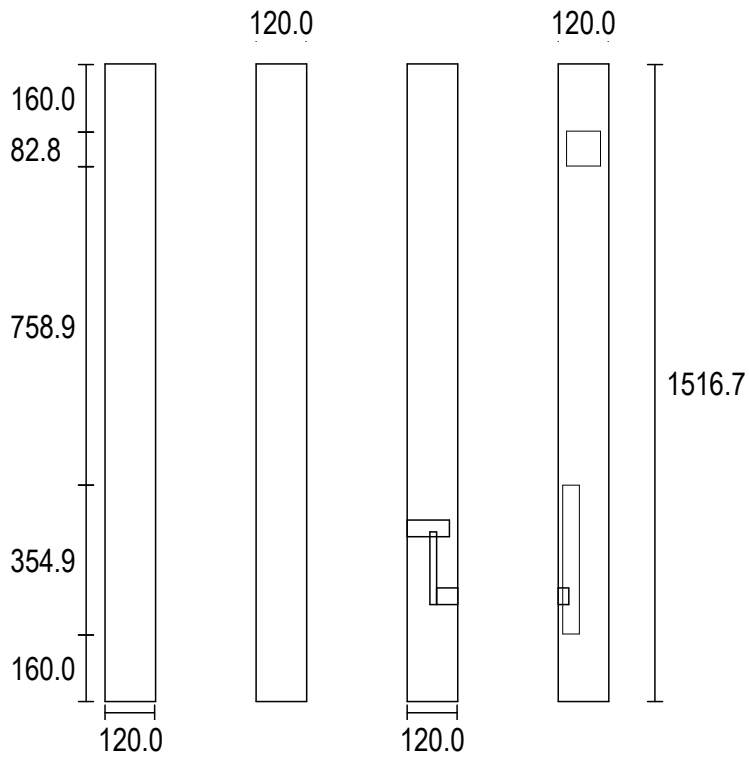
Height : 1516.7

Step 21 Height : 270.2

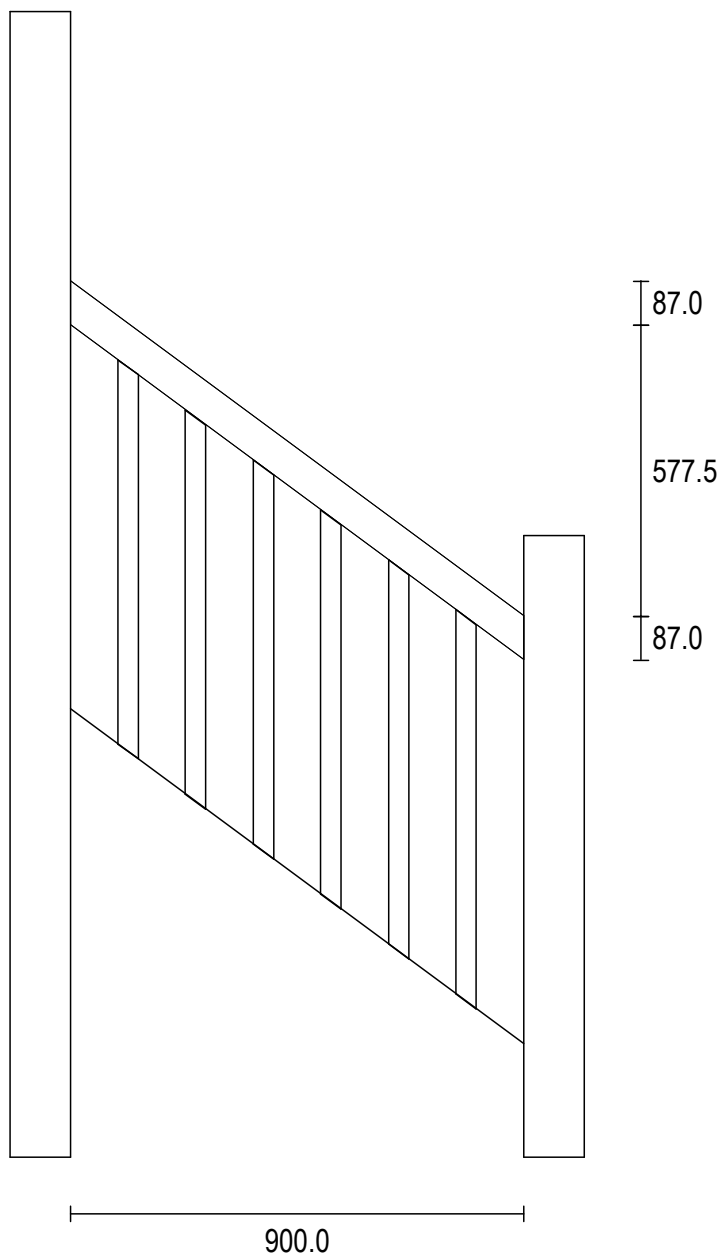
Step 22 Height : 432.5



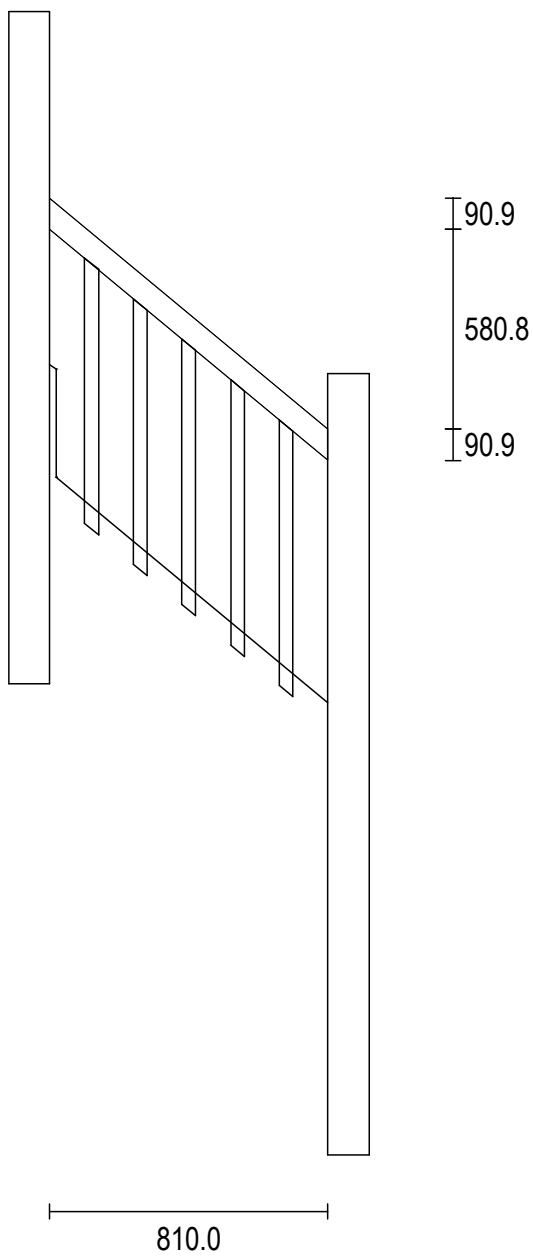
Front 4 : Stringboard : 32.30 Handrail : 32.30



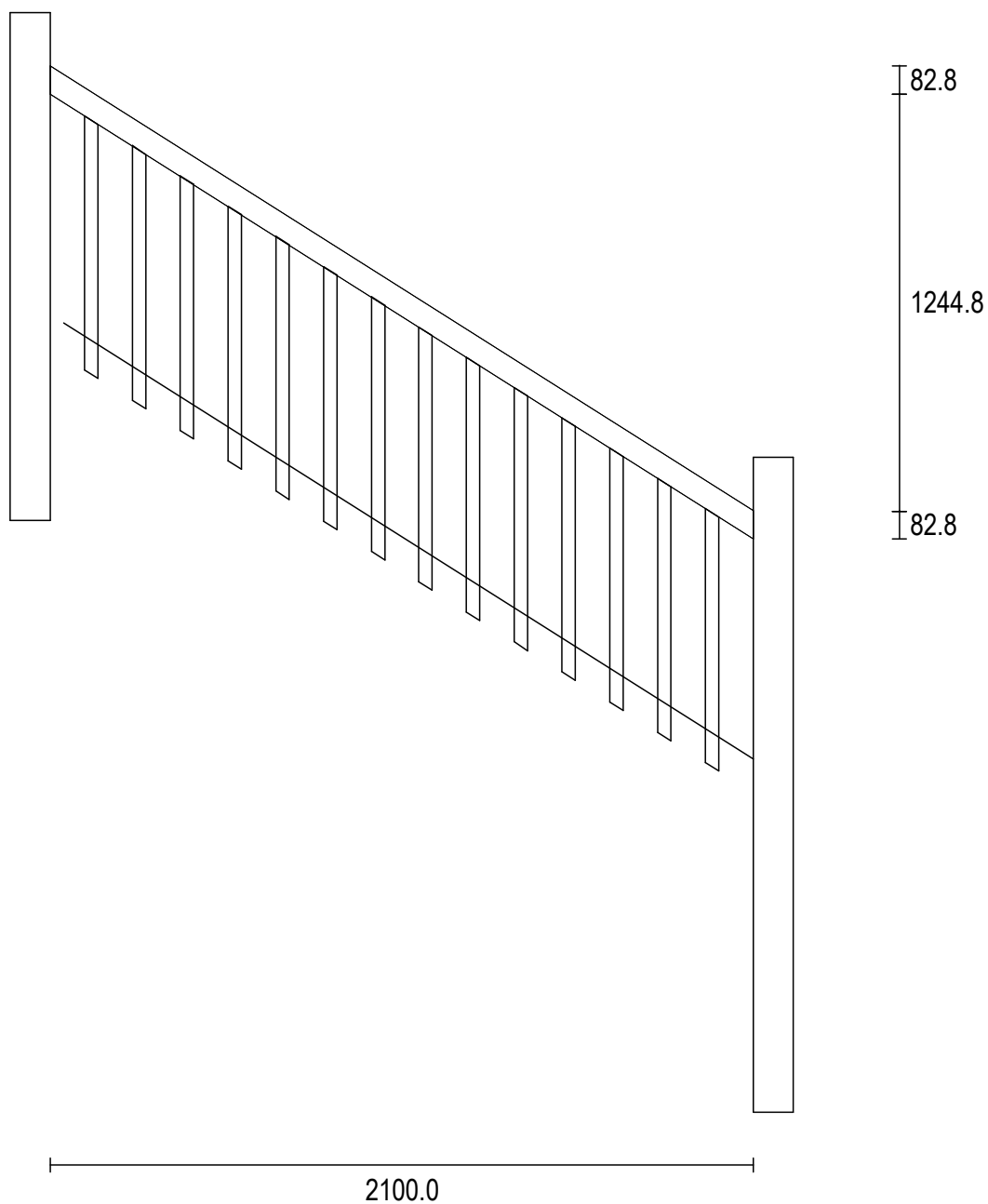
Dimensions : 1170.5 x 70.0 (36.4°)



Dimensions : 1110.3 x 70.0 (39.7°)



Dimensions : 2528.7 x 70.0 (32.3°)



StairDesigner
Banister : 1-3

Joakim Lennartsson

joakim01v02-12

Banister : 1

Flight : 1

Position : 234.3

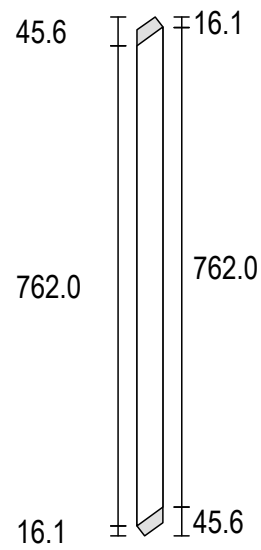
Height from Ground Level : 293.7

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



Banister : 2

Flight : 1

Position : 368.6

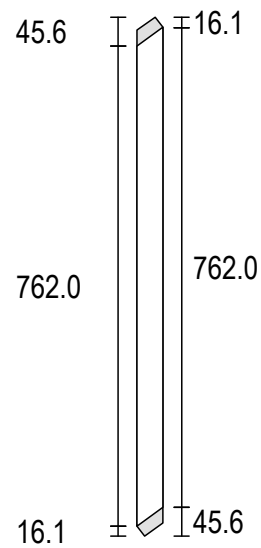
Height from Ground Level : 392.9

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



Banister : 3

Flight : 1

Position : 502.9

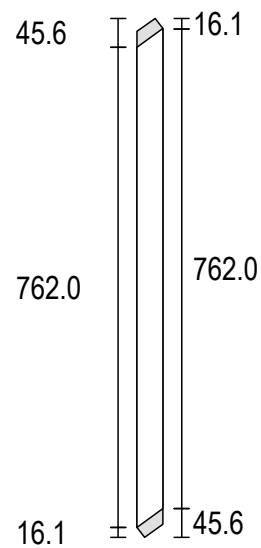
Height from Ground Level : 492.0

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



StairDesigner
Banister : 4-6

Joakim Lennartsson

joakim01v02-12

Banister : 4

Flight : 1

Position : 637.1

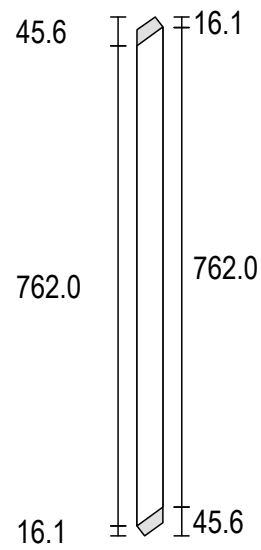
Height from Ground Level : 591.2

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



Banister : 5

Flight : 1

Position : 771.4

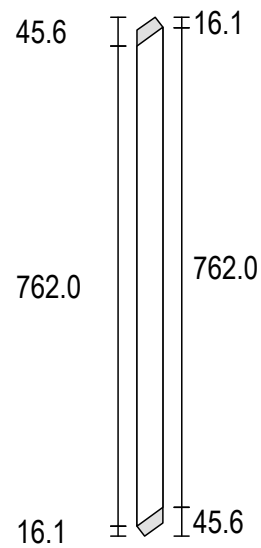
Height from Ground Level : 690.3

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



Banister : 6

Flight : 1

Position : 905.7

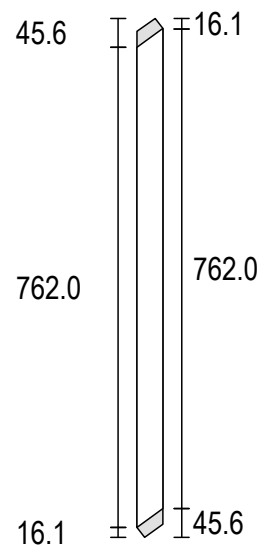
Height from Ground Level : 789.5

Angle : 36.44

Height : 823.7

Length : 40.0

Width : 28.0



StairDesigner
Banister : 7-9

Joakim Lennartsson

joakim01v02-12

Banister : 7

Flight : 2

Position : 181.7

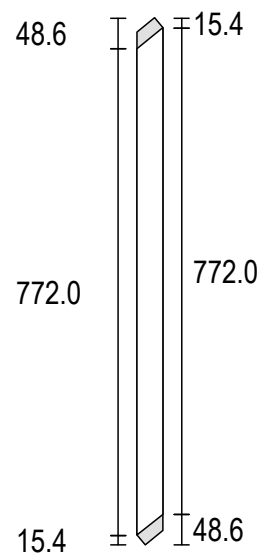
Height from Ground Level : 1333.5

Angle : 39.67

Height : 836.0

Length : 40.0

Width : 28.0



Banister : 8

Flight : 2

Position : 323.3

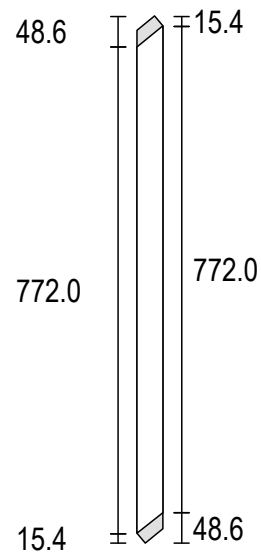
Height from Ground Level : 1451.0

Angle : 39.67

Height : 836.0

Length : 40.0

Width : 28.0



Banister : 9

Flight : 2

Position : 465.0

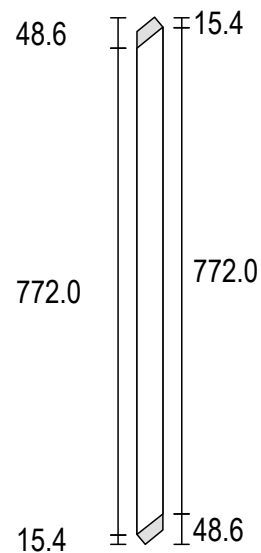
Height from Ground Level : 1568.4

Angle : 39.67

Height : 836.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 10-12

Joakim Lennartsson

joakim01v02-12

Banister : 10

Flight : 2

Position : 606.7

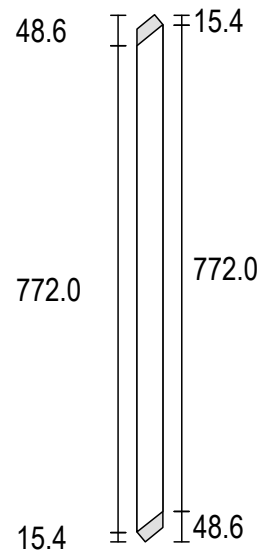
Height from Ground Level : 1685.9

Angle : 39.67

Height : 836.0

Length : 40.0

Width : 28.0



Banister : 11

Flight : 2

Position : 748.3

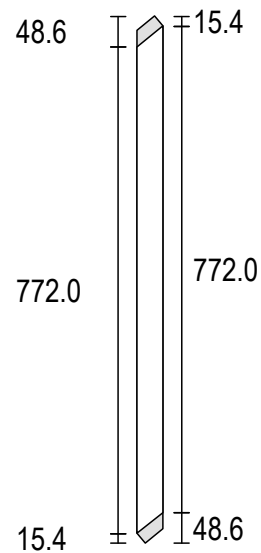
Height from Ground Level : 1803.4

Angle : 39.67

Height : 836.0

Length : 40.0

Width : 28.0



Banister : 12

Flight : 3

Position : 182.7

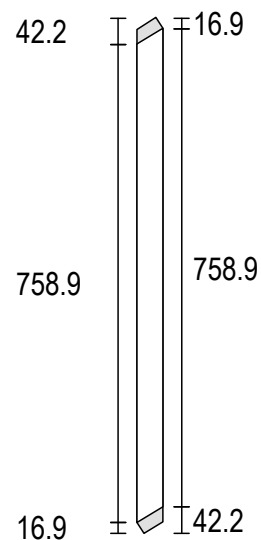
Height from Ground Level : 2389.8

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 13-15

Joakim Lennartsson

joakim01v02-12

Banister : 13

Flight : 3

Position : 325.3

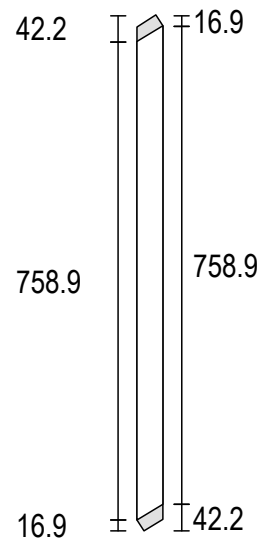
Height from Ground Level : 2480.0

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 14

Flight : 3

Position : 468.0

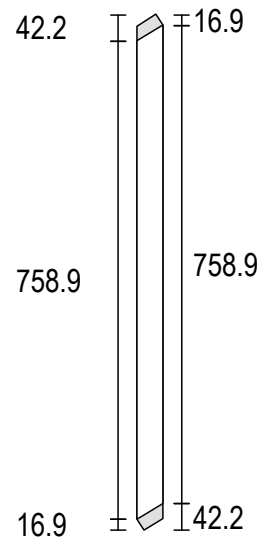
Height from Ground Level : 2570.2

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 15

Flight : 3

Position : 610.7

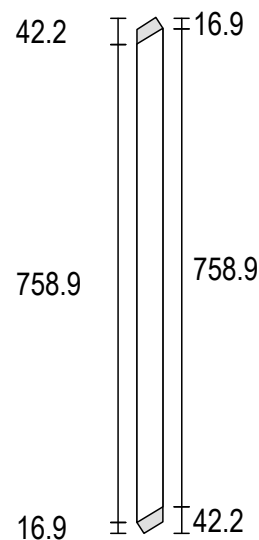
Height from Ground Level : 2660.4

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 16-18

Joakim Lennartsson

joakim01v02-12

Banister : 16

Flight : 3

Position : 753.3

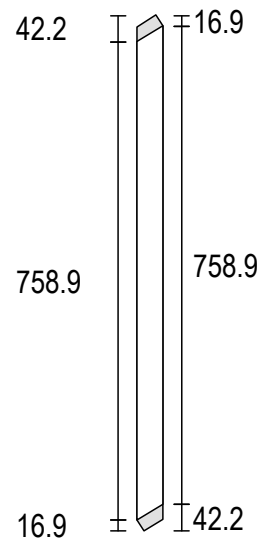
Height from Ground Level : 2750.6

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 17

Flight : 3

Position : 896.0

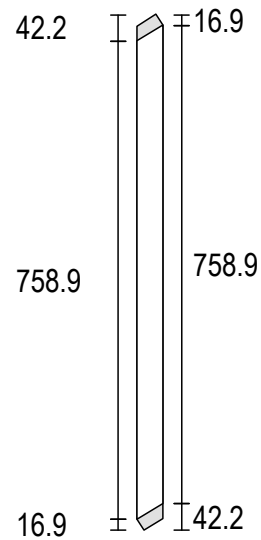
Height from Ground Level : 2840.7

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 18

Flight : 3

Position : 1038.7

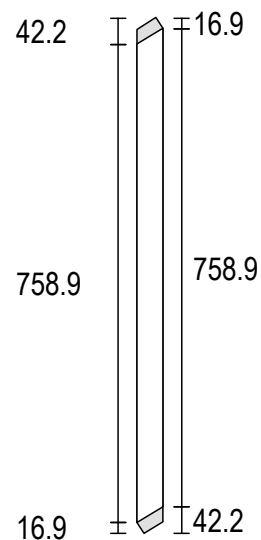
Height from Ground Level : 2930.9

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 19-21

Joakim Lennartsson

joakim01v02-12

Banister : 19

Flight : 3

Position : 1181.3

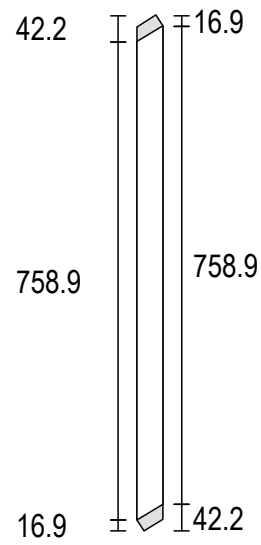
Height from Ground Level : 3021.1

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 20

Flight : 3

Position : 1324.0

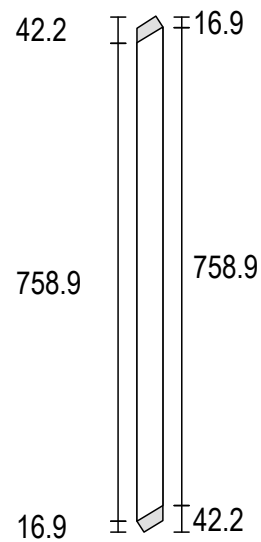
Height from Ground Level : 3111.3

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 21

Flight : 3

Position : 1466.7

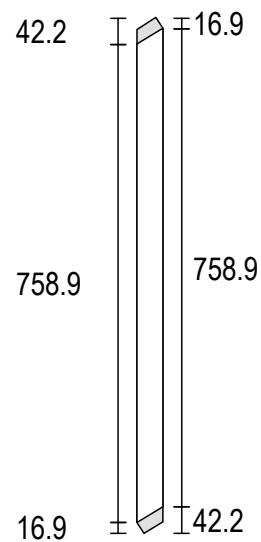
Height from Ground Level : 3201.5

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 22-24

Joakim Lennartsson

joakim01v02-12

Banister : 22

Flight : 3

Position : 1609.3

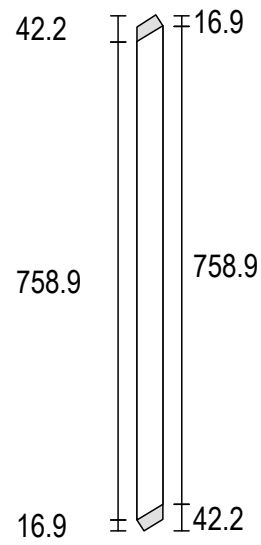
Height from Ground Level : 3291.7

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 23

Flight : 3

Position : 1752.0

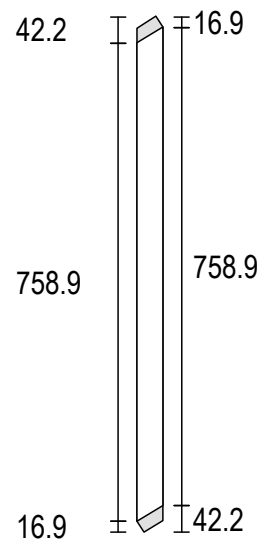
Height from Ground Level : 3381.9

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Banister : 24

Flight : 3

Position : 1894.7

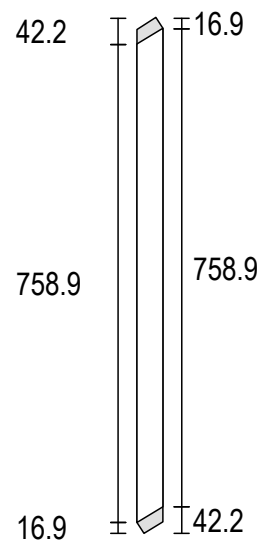
Height from Ground Level : 3472.1

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



StairDesigner
Banister : 25

Joakim Lennartsson

joakim01v02-12

Banister : 25

Flight : 3

Position : 2037.3

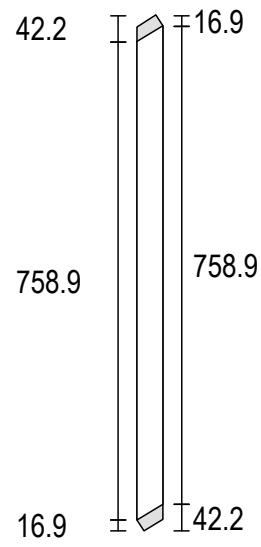
Height from Ground Level : 3562.3

Angle : 32.30

Height : 818.0

Length : 40.0

Width : 28.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	1050.0 x 309.3 x 40.0	0.0130 m ³	0.0129 m ³
Step 2	1050.0 x 309.3 x 40.0	0.0130 m ³	0.0130 m ³
Step 3	1050.0 x 375.1 x 40.0	0.0158 m ³	0.0130 m ³
Step 4	1109.9 x 430.3 x 40.0	0.0191 m ³	0.0130 m ³
Step 5	1298.1 x 521.5 x 40.0	0.0271 m ³	0.0152 m ³
Step 6	1477.8 x 488.7 x 40.0	0.0289 m ³	0.0176 m ³
Step 7	1198.1 x 400.6 x 40.0	0.0192 m ³	0.0123 m ³
Step 8	1047.3 x 390.8 x 40.0	0.0164 m ³	0.0117 m ³
Step 9	976.3 x 357.4 x 40.0	0.0140 m ³	0.0117 m ³
Step 10	954.8 x 424.7 x 40.0	0.0162 m ³	0.0118 m ³
Step 11	1092.8 x 460.7 x 40.0	0.0201 m ³	0.0124 m ³
Step 12	1351.5 x 543.6 x 40.0	0.0294 m ³	0.0171 m ³
Step 13	1292.6 x 436.3 x 40.0	0.0226 m ³	0.0137 m ³
Step 14	1090.6 x 344.4 x 40.0	0.0150 m ³	0.0118 m ³
Step 15	1032.3 x 356.3 x 40.0	0.0147 m ³	0.0117 m ³
Step 16	984.9 x 364.3 x 40.0	0.0144 m ³	0.0117 m ³
Step 17	950.0 x 309.3 x 40.0	0.0118 m ³	0.0117 m ³
Step 18	950.0 x 309.3 x 40.0	0.0118 m ³	0.0117 m ³
Step 19	950.0 x 309.3 x 40.0	0.0118 m ³	0.0117 m ³
Step 20	950.0 x 309.3 x 40.0	0.0118 m ³	0.0117 m ³
Step 21	950.0 x 309.3 x 40.0	0.0118 m ³	0.0117 m ³
Step 22	940.0 x 60.0 x 40.0	0.0023 m ³	0.0022 m ³
Riser 1	1040.0 x 132.3 x 16.0	0.0022 m ³	0.0022 m ³
Riser 2	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 3	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 4	1060.7 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 5	1125.1 x 172.3 x 16.0	0.0031 m ³	0.0031 m ³
Riser 6	1315.7 x 172.3 x 16.0	0.0036 m ³	0.0036 m ³
Riser 7	1140.3 x 172.3 x 16.0	0.0031 m ³	0.0031 m ³
Riser 8	1000.9 x 172.3 x 16.0	0.0028 m ³	0.0027 m ³
Riser 9	955.9 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 10	950.3 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 11	985.9 x 172.3 x 16.0	0.0027 m ³	0.0027 m ³
Riser 12	1098.4 x 172.3 x 16.0	0.0030 m ³	0.0030 m ³
Riser 13	1222.9 x 172.3 x 16.0	0.0034 m ³	0.0033 m ³
Riser 14	1021.4 x 172.3 x 16.0	0.0028 m ³	0.0028 m ³
Riser 15	983.6 x 172.3 x 16.0	0.0027 m ³	0.0027 m ³
Riser 16	959.5 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 17	950.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 18	950.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 19	950.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 20	950.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 21	950.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Riser 22	940.0 x 172.3 x 16.0	0.0026 m ³	0.0026 m ³
Right Stringboard 1	1251.9 x 300.0 x 40.0	0.0150 m ³	0.0128 m ³
Right Stringboard 2	1301.0 x 300.0 x 40.0	0.0156 m ³	0.0126 m ³
Right Stringboard 3	2674.1 x 300.0 x 40.0	0.0321 m ³	0.0298 m ³
Left Stringboard 1	2330.0 x 351.5 x 40.0	0.0328 m ³	0.0230 m ³
Left Stringboard 2	3312.1 x 345.6 x 40.0	0.0458 m ³	0.0333 m ³

Piece	Dimensions	Cutting List Volume	Real Volume
Left Stringboard 3	3756.4 x 401.9 x 40.0	0.0604 m ³	0.0379 m ³
Right Handrail 1	1170.5 x 70.0 x 80.0	0.0066 m ³	0.0063 m ³
Right Handrail 2	1110.3 x 70.0 x 80.0	0.0062 m ³	0.0059 m ³
Right Handrail 3	2528.7 x 70.0 x 80.0	0.0142 m ³	0.0139 m ³
Newel Post 1	120.0 x 120.0 x 1233.1	0.0178 m ³	0.0178 m ³
Newel Post 2	120.0 x 120.0 x 2272.1	0.0327 m ³	0.0327 m ³
Newel Post 3	120.0 x 120.0 x 1955.5	0.0282 m ³	0.0282 m ³
Newel Post 4	120.0 x 120.0 x 1516.7	0.0218 m ³	0.0218 m ³
Banister 1	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 2	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 3	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 4	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 5	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 6	40.0 x 28.0 x 823.7	0.0009 m ³	0.0009 m ³
Banister 7	40.0 x 28.0 x 836.0	0.0009 m ³	0.0009 m ³
Banister 8	40.0 x 28.0 x 836.0	0.0009 m ³	0.0009 m ³
Banister 9	40.0 x 28.0 x 836.0	0.0009 m ³	0.0009 m ³
Banister 10	40.0 x 28.0 x 836.0	0.0009 m ³	0.0009 m ³
Banister 11	40.0 x 28.0 x 836.0	0.0009 m ³	0.0009 m ³
Banister 12	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 13	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 14	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 15	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 16	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 17	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 18	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 19	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 20	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 21	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 22	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 23	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 24	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³
Banister 25	40.0 x 28.0 x 818.0	0.0009 m ³	0.0009 m ³

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.3598 m ³	0.2714 m ³		
Risers	0.0618 m ³	0.0616 m ³		
Stringboards	0.2017 m ³	0.1494 m ³		
Handrails	0.0269 m ³	0.0261 m ³		
Newel Posts	0.1005 m ³	0.1005 m ³		
Banisters	0.0230 m ³	0.0225 m ³		
Total	0.7736 m³	0.6314 m³		