

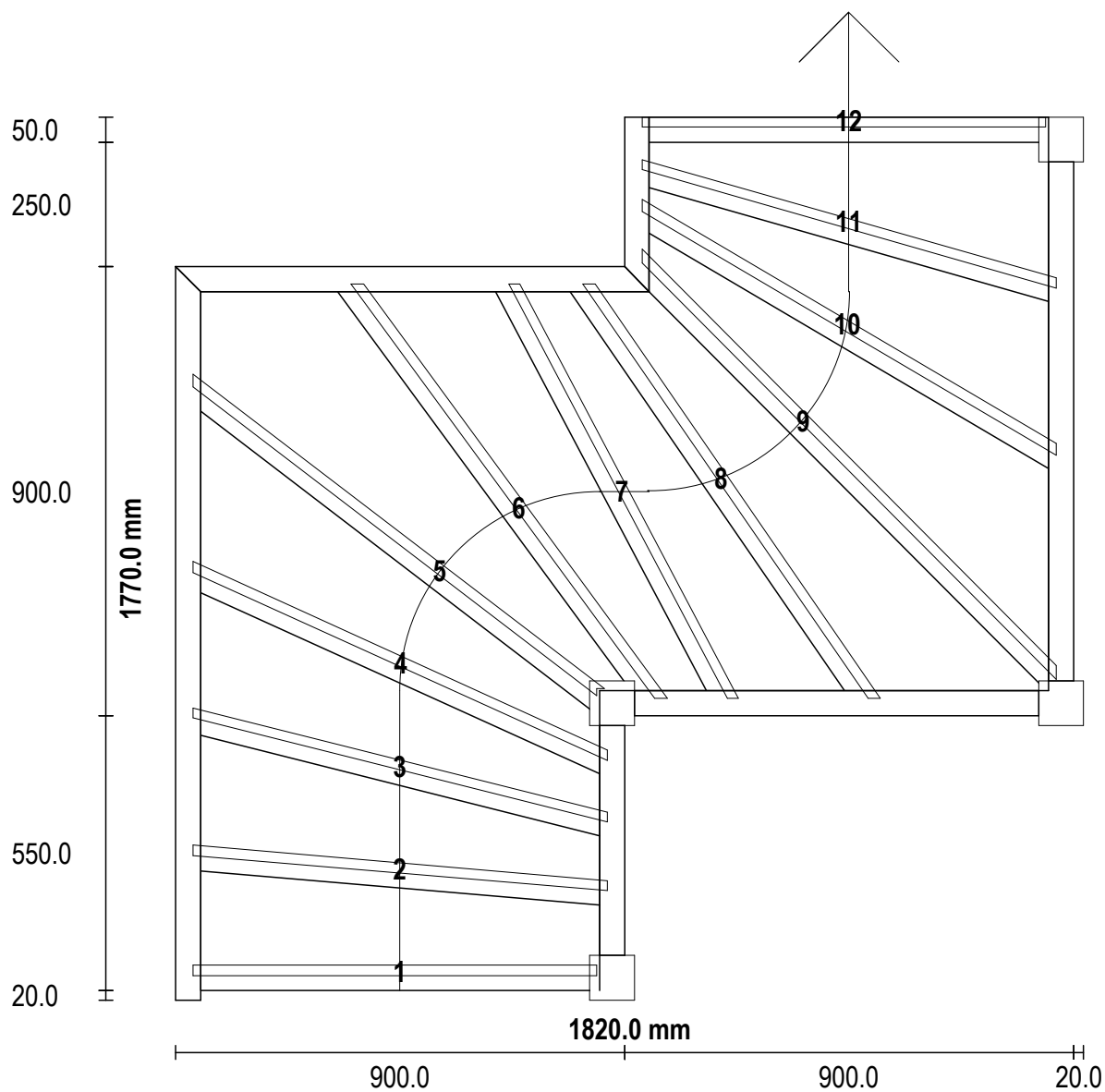
Multi-Flight Stair

Risers : 12  
Floor Height : 2600.0 mm

Riser Height : 216.7 mm

Tread Width : 205.1 mm

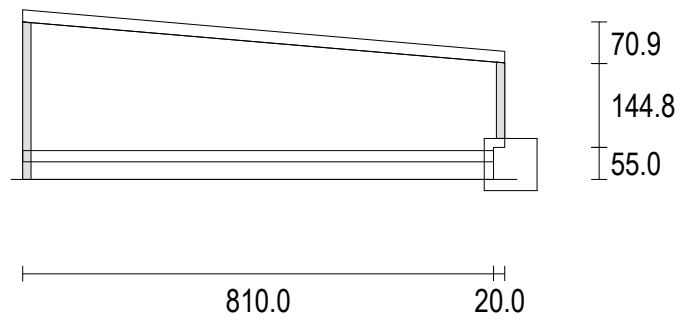
Stair Rule : 638.5 mm



Step : 830.0 x 270.7

Riser

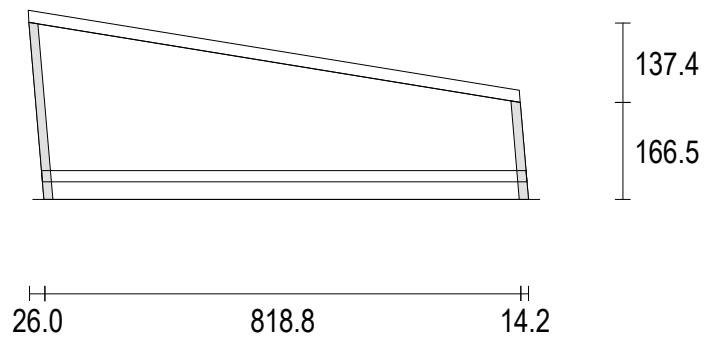
Width : 810.0 Height : 196.7 Thickness : 20.0 Angle : -0.00



Step : 859.0 x 303.9

Riser

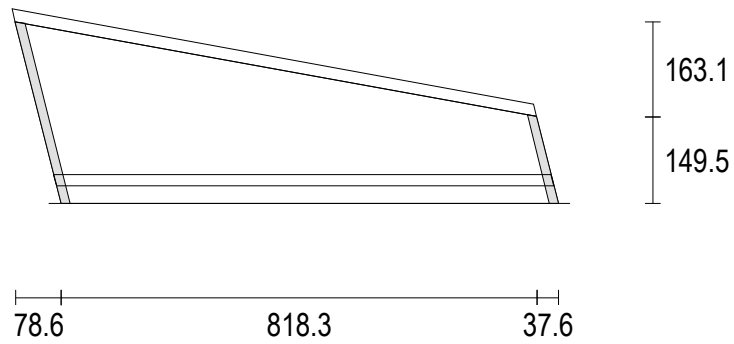
Width : 834.7 Height : 226.7 Thickness : 20.0 Angle : 4.88



Step : 934.5 x 312.6

Riser

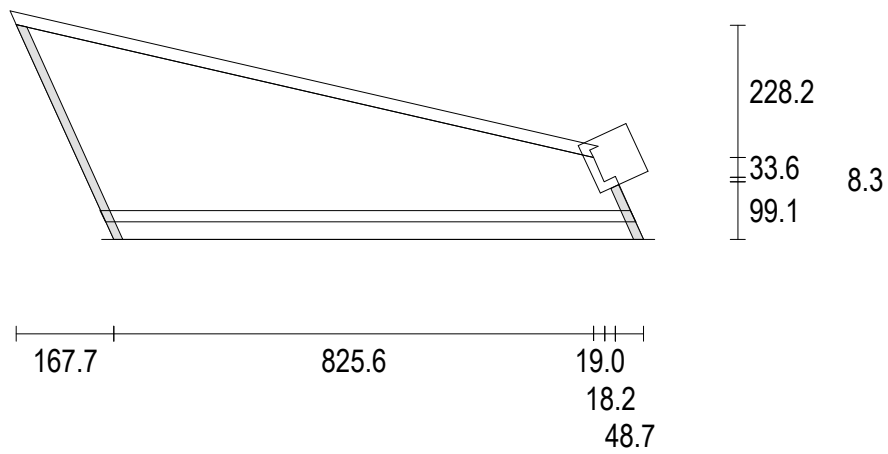
Width : 860.9 Height : 226.7 Thickness : 20.0 Angle : 14.12



Step : 1079.2 x 369.2

Riser

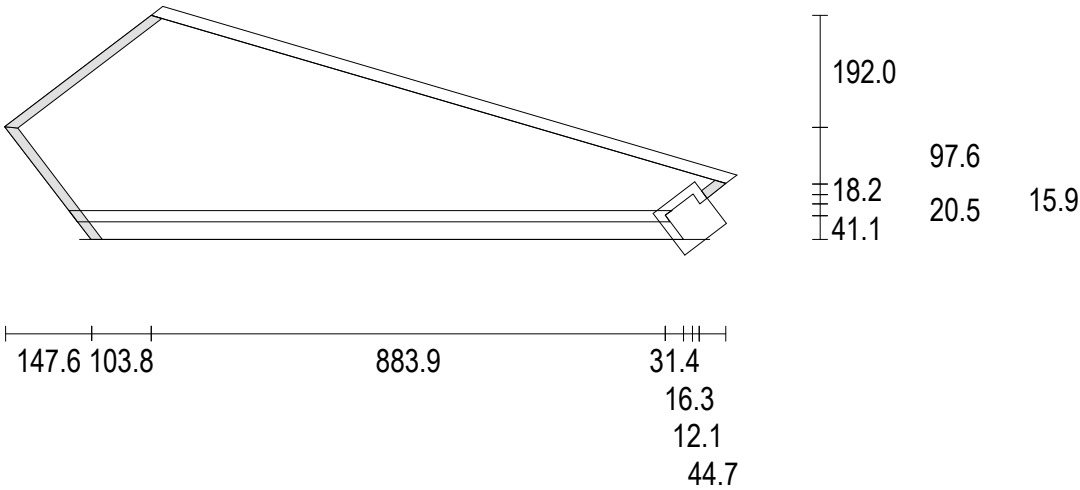
Width : 920.7 Height : 226.7 Thickness : 20.0 Angle : 24.42



Step : 1239.9 x 385.4

Riser

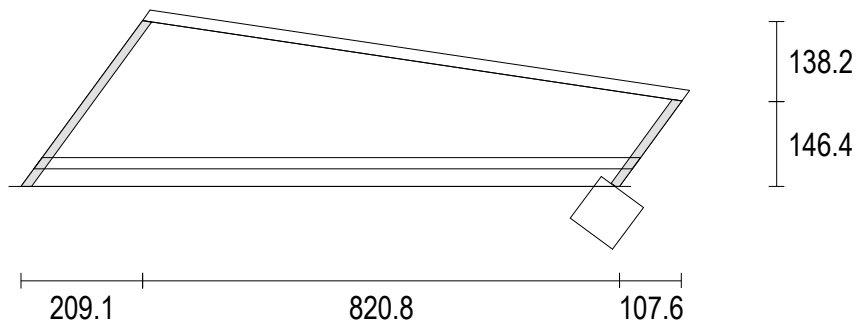
Width : 1037.5 Height : 226.7 Thickness : 20.0 Angle : 37.36



Step : 1137.5 x 284.6

Riser

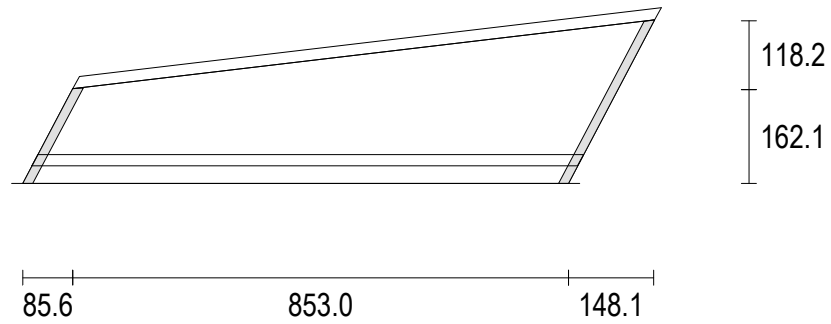
Width : 1044.6 Height : 226.7 Thickness : 20.0 Angle : -36.31



Step : 1086.7 x 280.4

Riser

Width : 949.2 Height : 226.7 Thickness : 20.0 Angle : -27.84

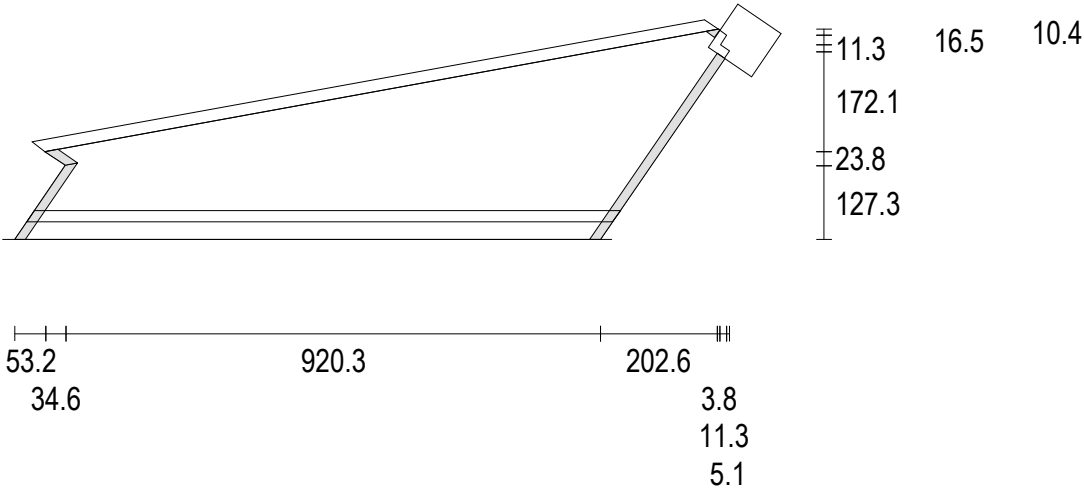




Step : 1230.8 x 361.5

Riser

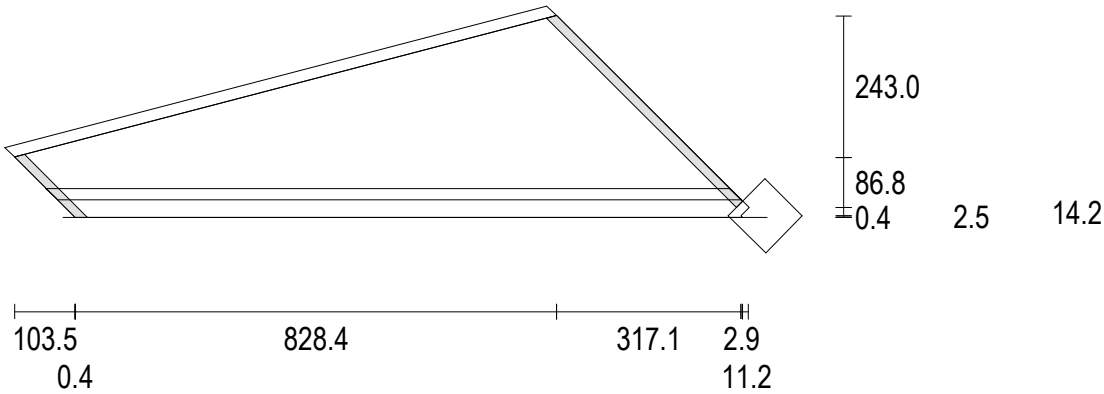
Width : 1021.8 Height : 226.7 Thickness : 20.0 Angle : -34.57



Step : 1263.5 x 346.8

Riser

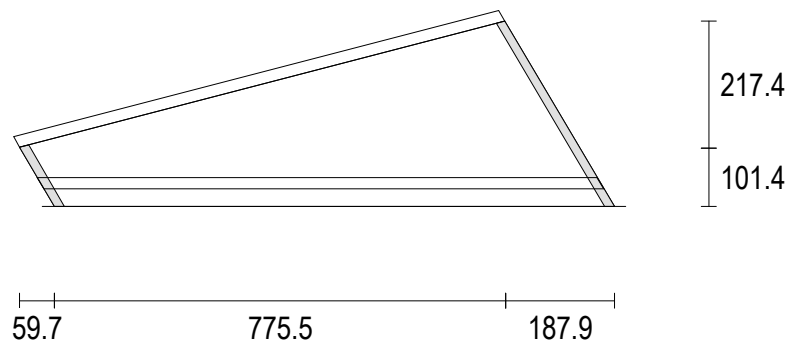
Width : 1196.5 Height : 226.7 Thickness : 20.0 Angle : 45.13



Step : 1023.2 x 318.8

Riser

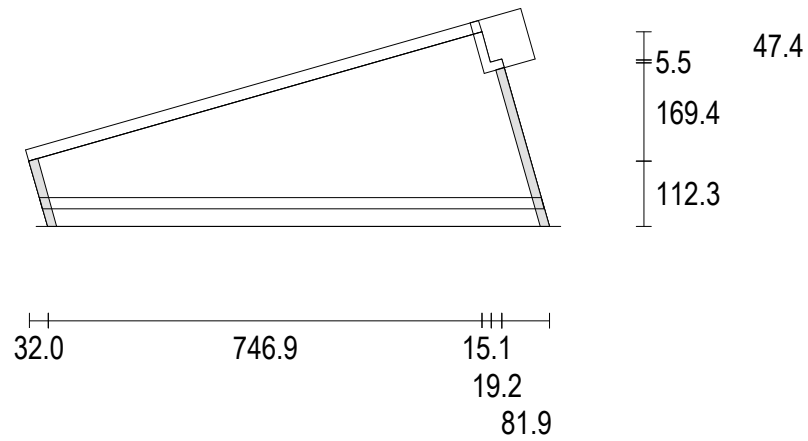
Width : 975.2 Height : 226.7 Thickness : 20.0 Angle : 30.52



Step : 895.2 x 334.5

Riser

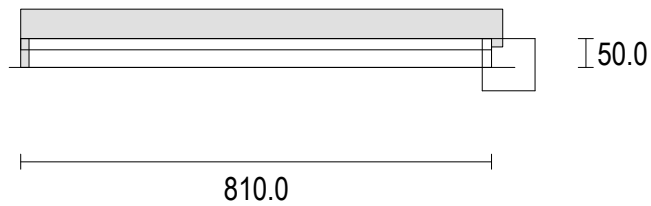
Width : 868.8 Height : 226.7 Thickness : 20.0 Angle : 15.92



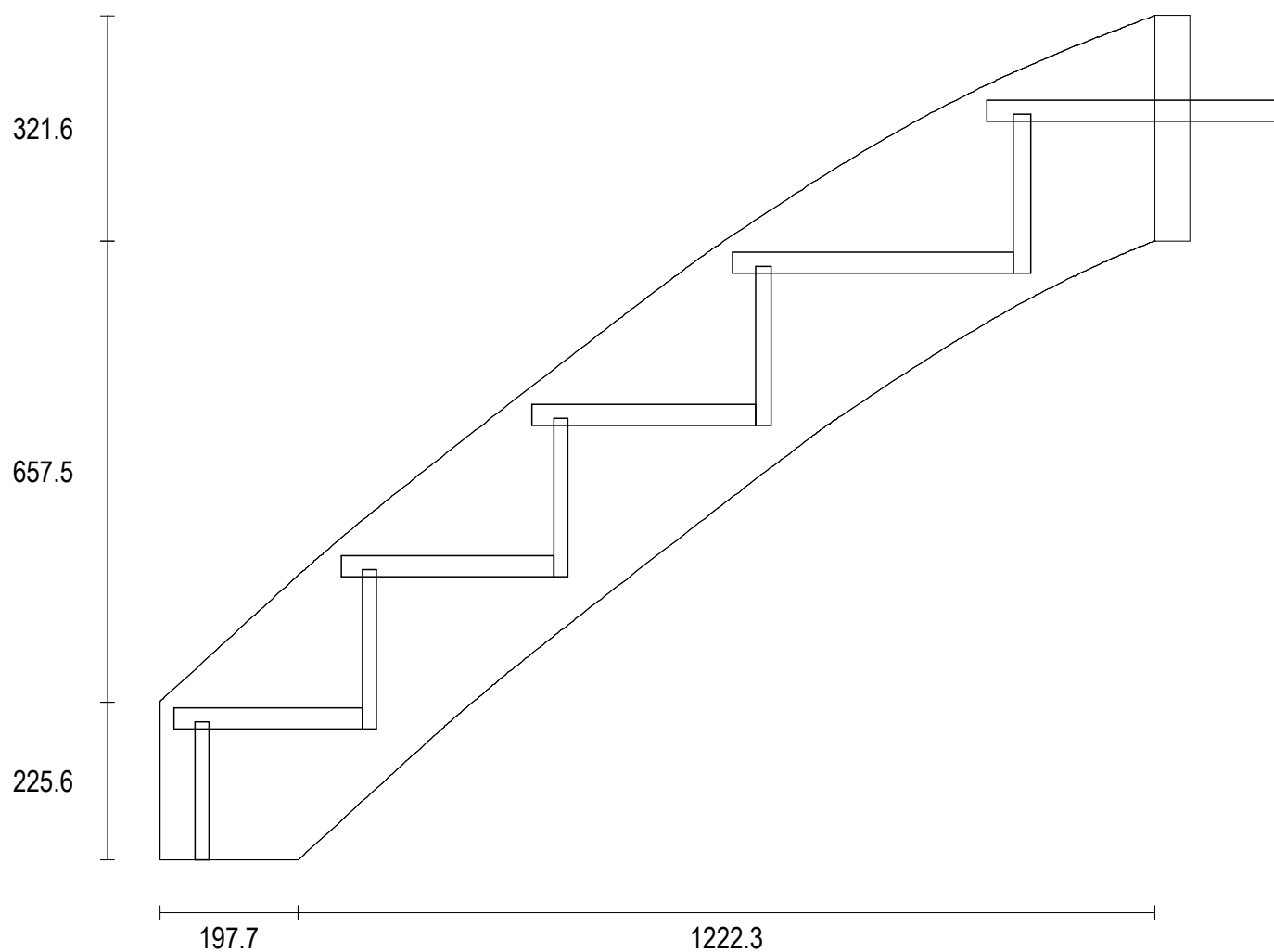
Landing Step

Riser

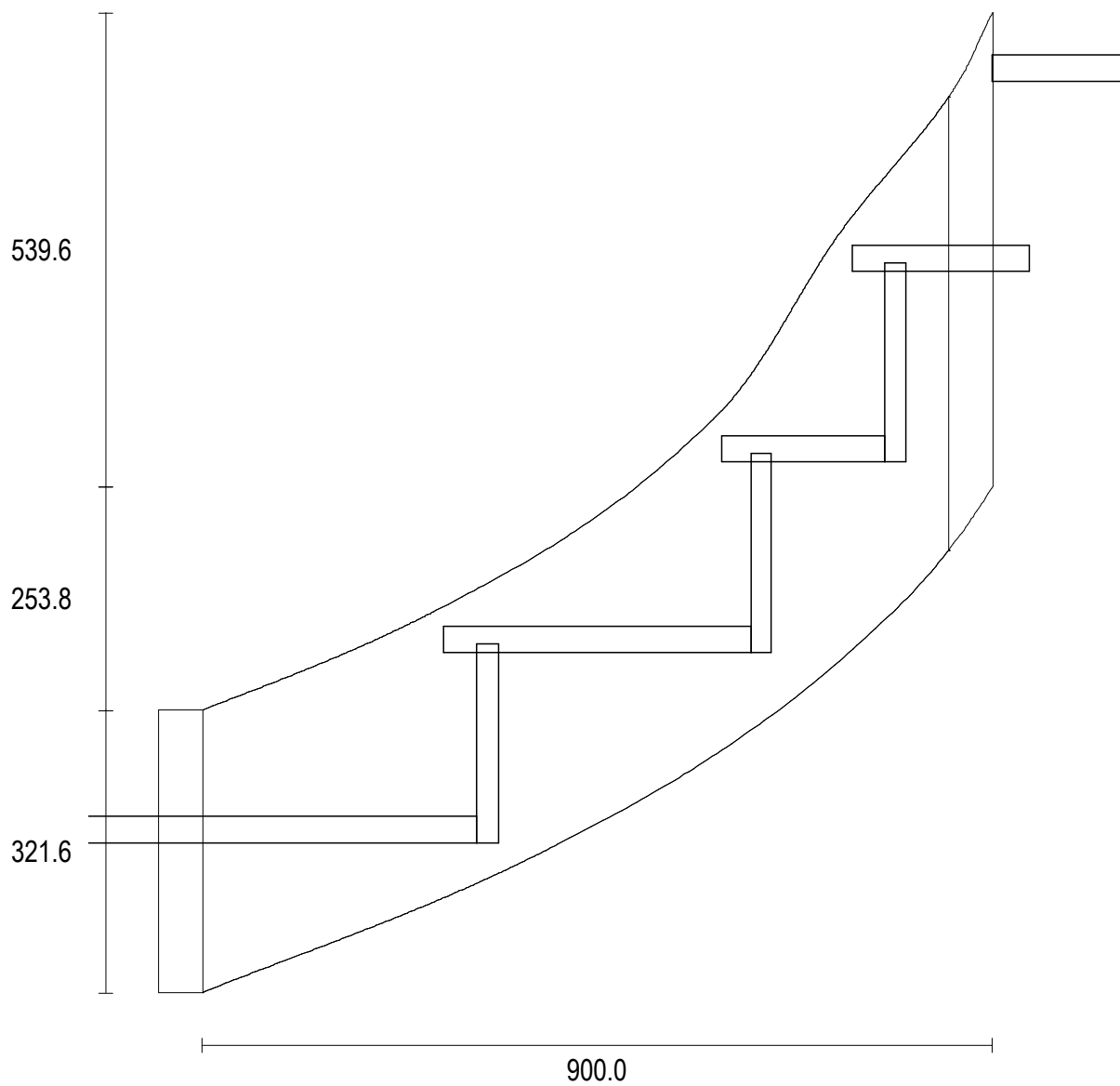
Width : 810.0 Height : 226.7 Thickness : 20.0 Angle : 0.00



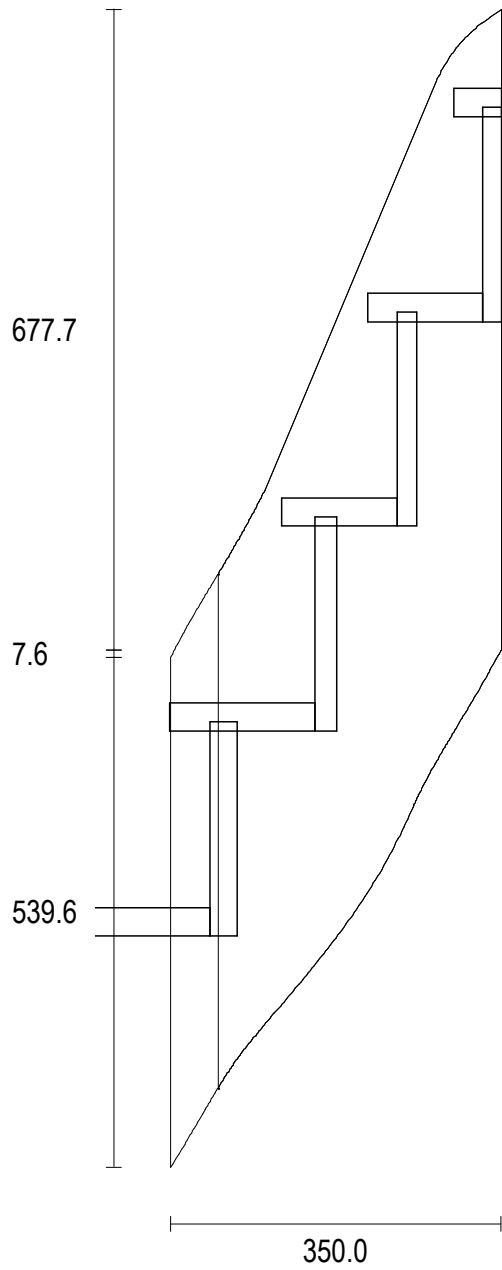
Dimensions : 1894.5 x 379.0 (34.8°)



Dimensions : 1443.8 x 454.7 (39.9°)

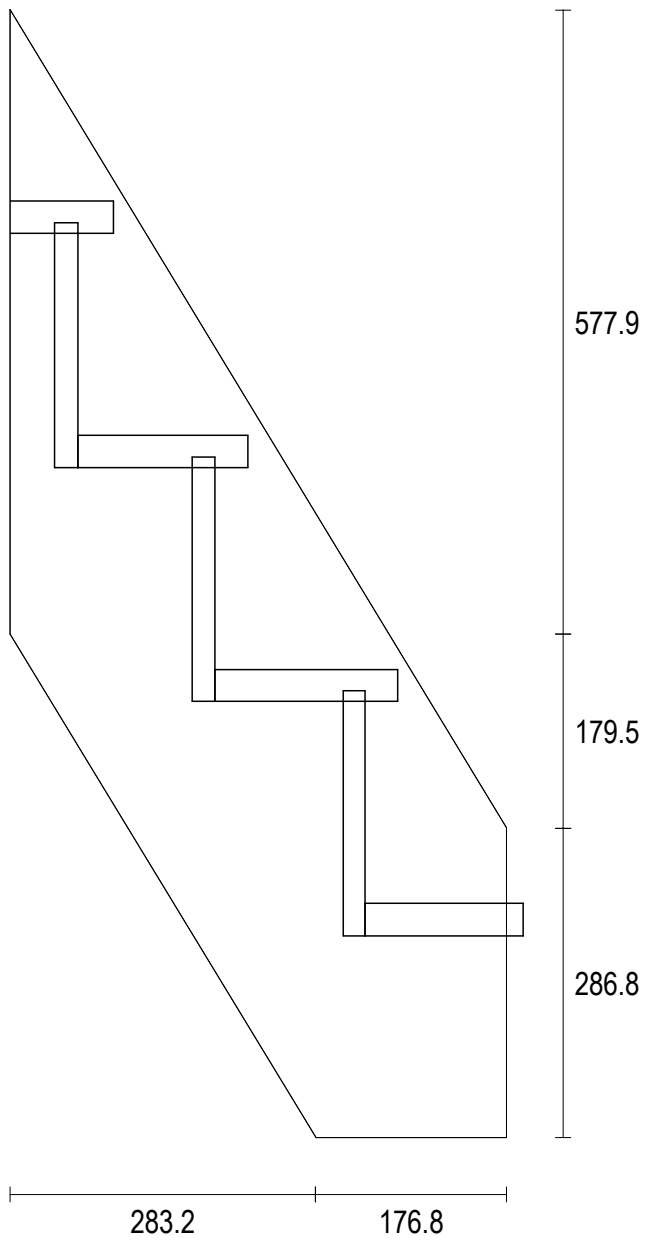


Dimensions : 1258.8 x 314.6 (65.2°)

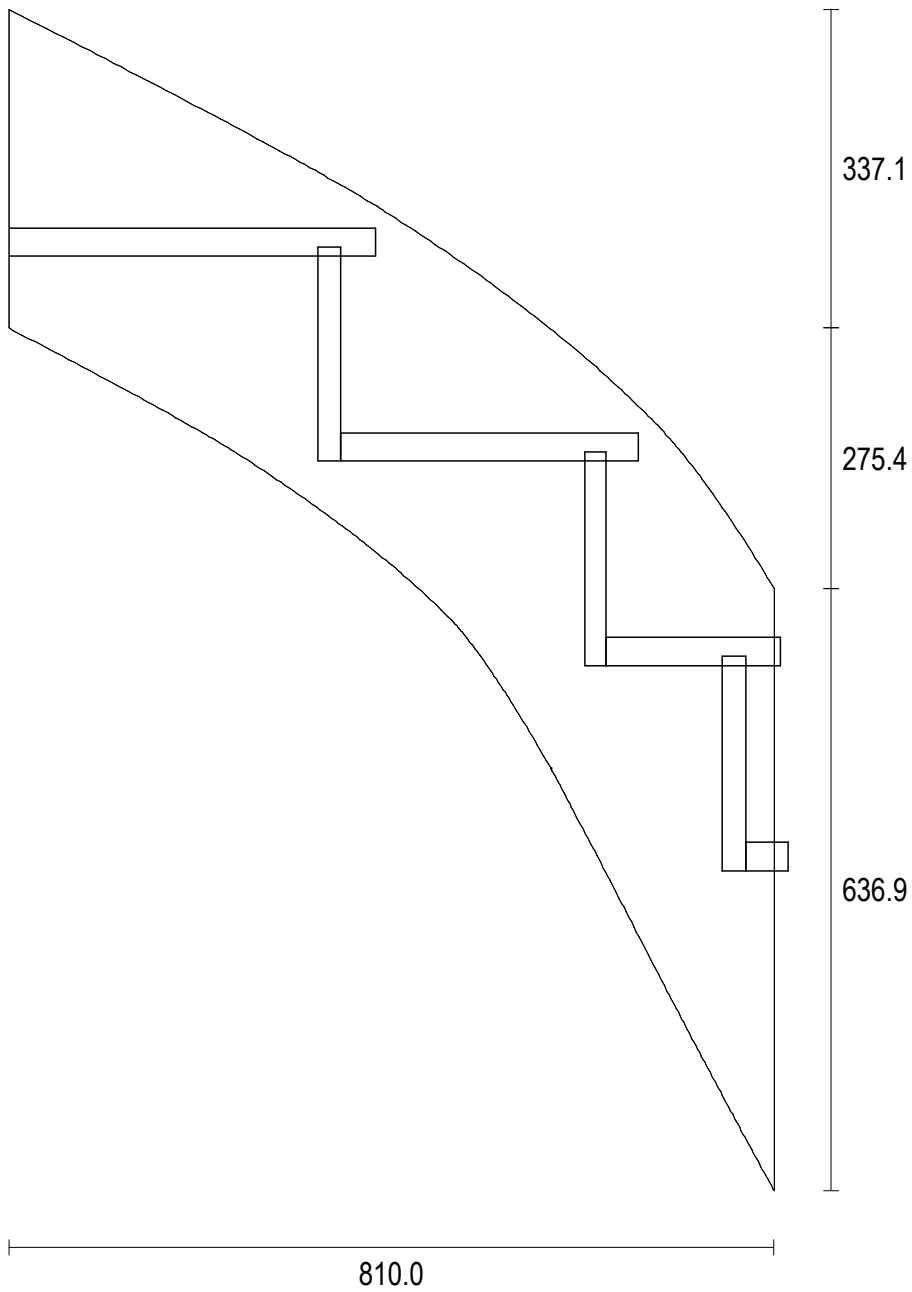




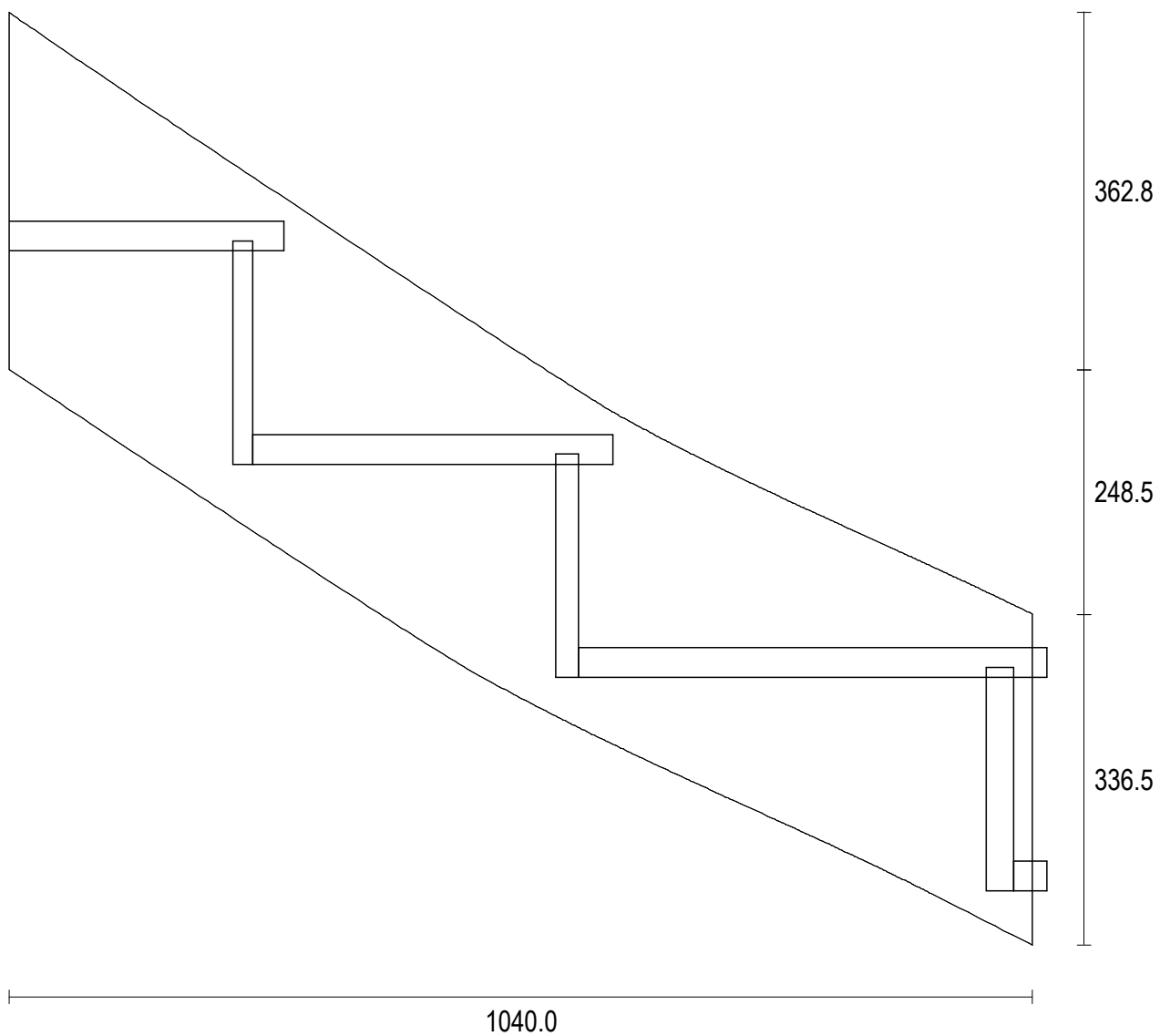
Dimensions : 1131.2 x 300.0 (58.7°)



Dimensions : 1472.1 x 445.4 (48.4°)



Dimensions : 1376.8 x 339.0 (30.4°)



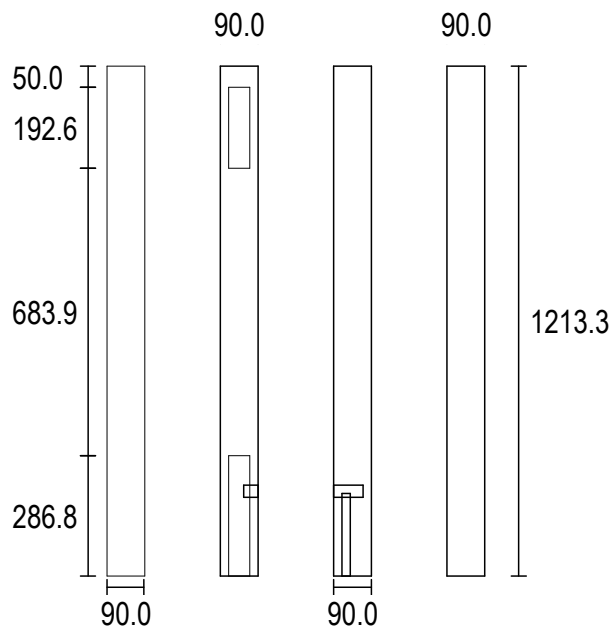
Extremity Newel Post Right Stringboard Flight : 1

Top View

Height : 1213.3

Step 1 Height : 216.7

Front 2 : Stringboard : 0.00 / 58.73 Handrail : 58.73



Corner Newel Post Right Stringboard Flight : 1-2

Top View

Height : 2262.3

Angle : 90.00

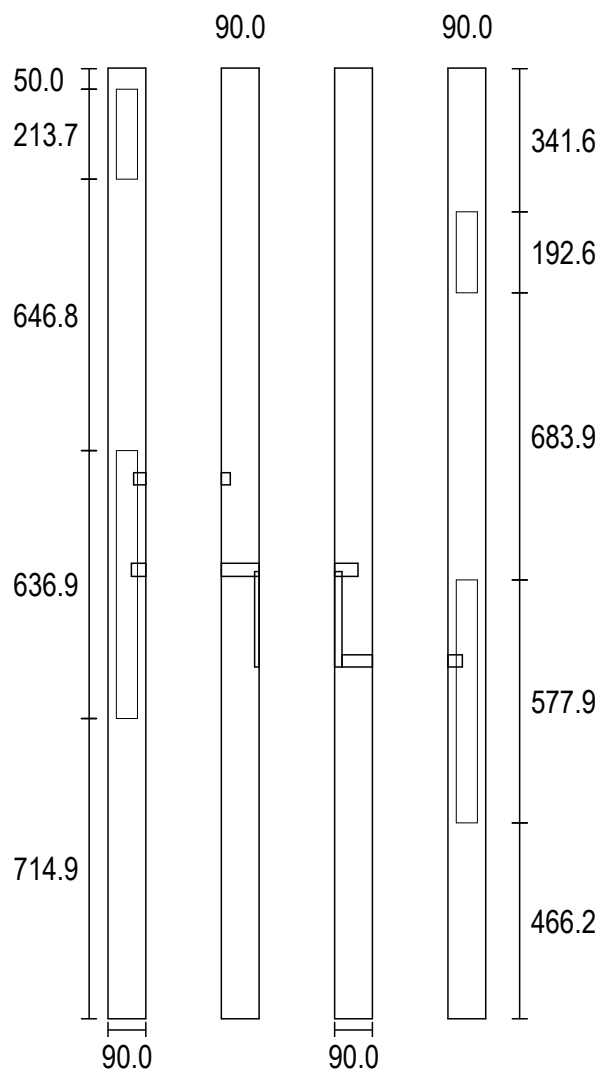
Step 4 Height : 866.7

Step 5 Height : 1083.3

Step 6 Height : 1300.0

Front 1 : Stringboard : 61.04 / 59.13 Handrail : 62.56 / 60.09

Front 4 : Stringboard : 58.73 Handrail : 58.73



StairDesigner  
Newel Post : 3

**Gulik DK**

gullik-karlsen-01v01  
Scale : 1/18

Corner Newel Post Right Stringboard Flight : 2-3

Top View

Height : 1334.8

Angle : 90.00

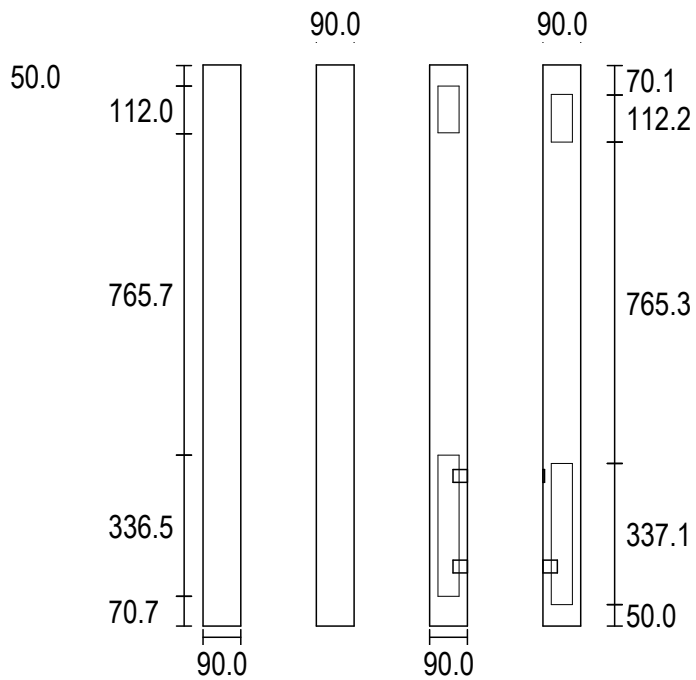
Step 8 Height : 156.1

Step 9 Height : 372.8



Front 3 : Stringboard : 27.25 / 26.15 Handrail : 26.96 / 26.34

Front 4 : Stringboard : 27.44 / 26.91 Handrail : 27.08 / 26.93



Extremity Newel Post Right Stringboard Flight : 3

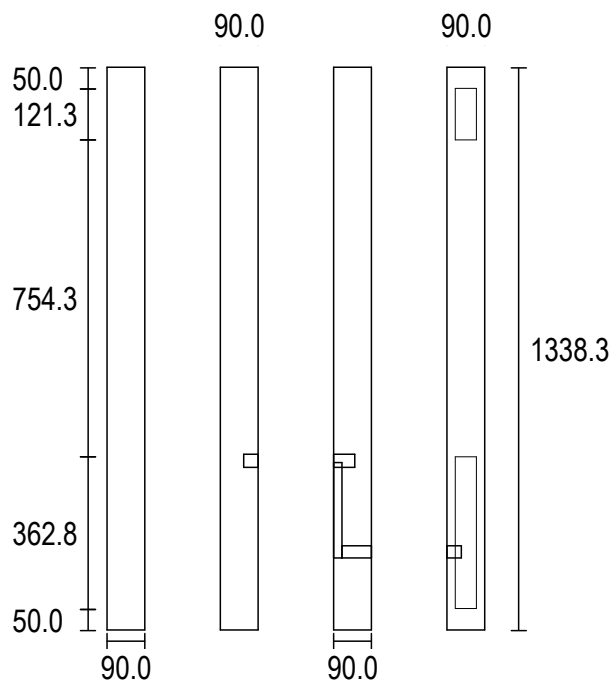
Top View

Height : 1338.3

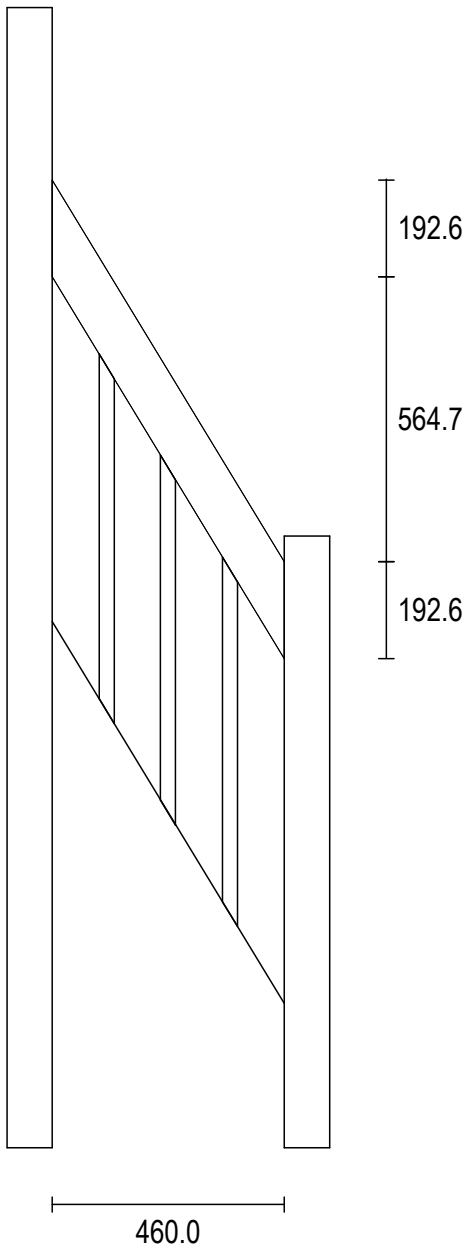
Step 11 Height : 200.5

Step 12 Height : 417.1

Front 4 : Stringboard : 33.78 / 35.19 Handrail : 34.21 / 34.94

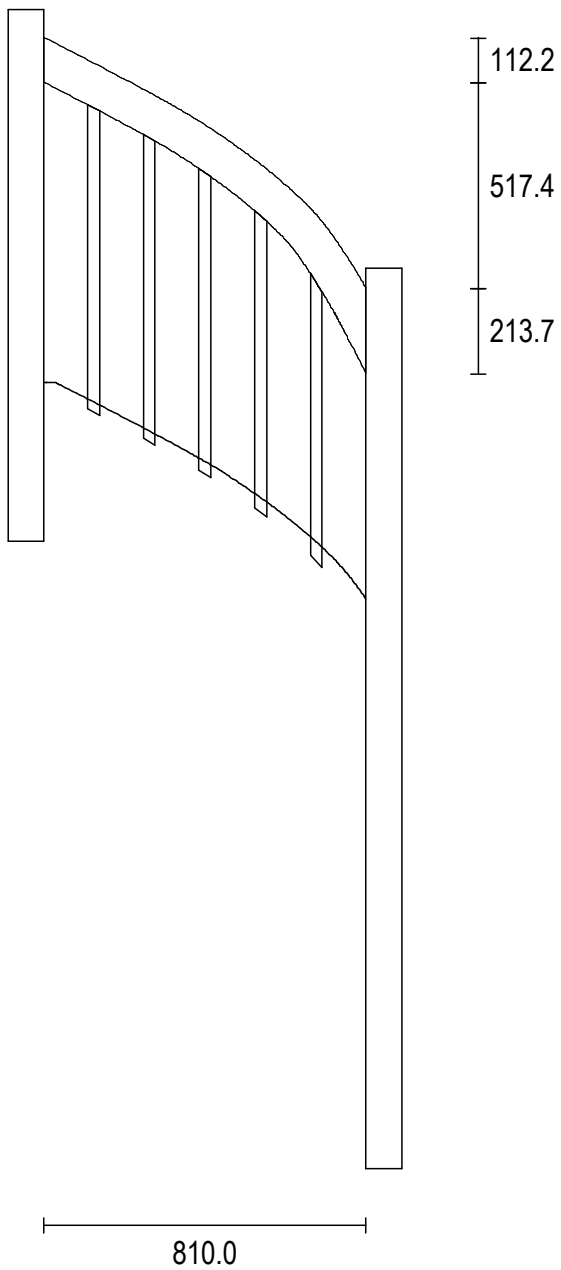


Dimensions : 1050.7 x 100.0 (58.7°)

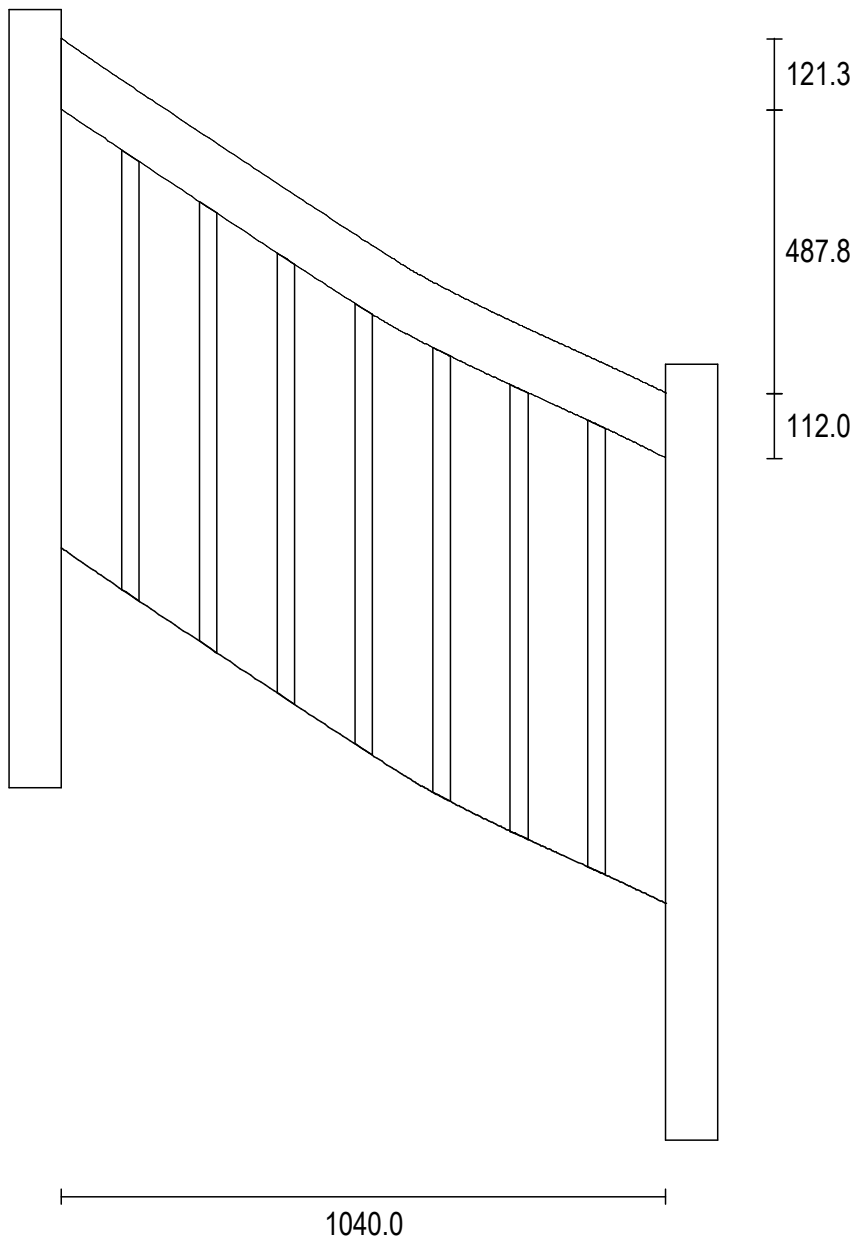




Dimensions : 1166.3 x 215.7 (42.1°)



Dimensions : 1261.8 x 139.0 (30.4°)



StairDesigner  
Banister : 1-3

## Gulik DK

gullik-karlsen-01v01

Banister : 1

Flight : 1

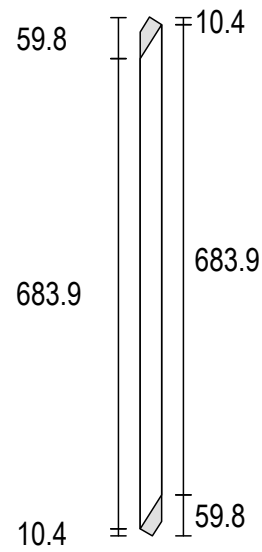
Position : 197.5

Height from Ground Level : 439.1

Angle : 58.73

Height : 754.1

Shaft Diameter : 30.0



Banister : 2

Flight : 1

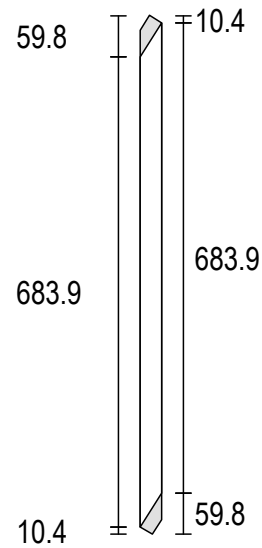
Position : 320.0

Height from Ground Level : 640.7

Angle : 58.73

Height : 754.1

Shaft Diameter : 30.0



Banister : 3

Flight : 1

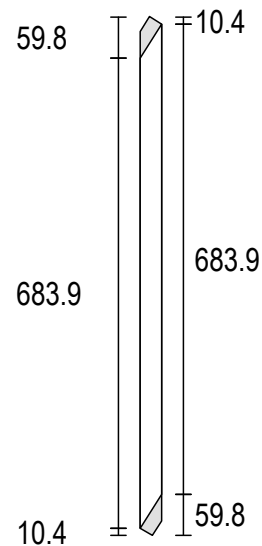
Position : 442.5

Height from Ground Level : 842.4

Angle : 58.73

Height : 754.1

Shaft Diameter : 30.0

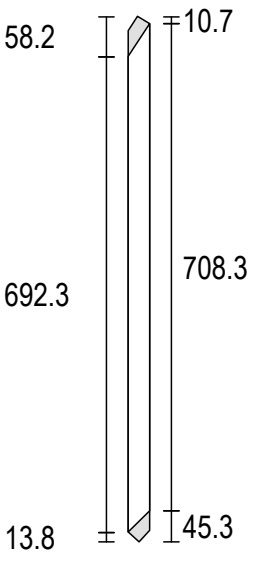


StairDesigner  
Banister : 4-6

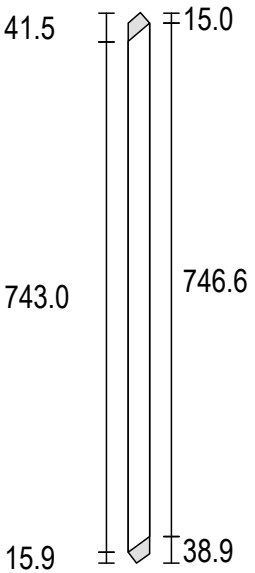
Gulik DK

gullik-karlsen-01v01

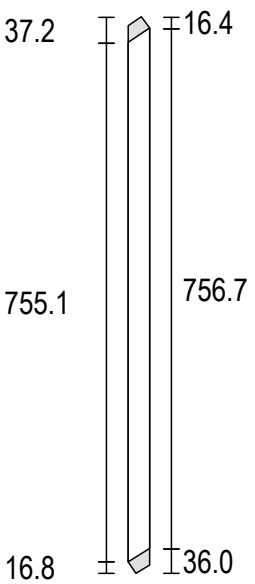
Banister : 4  
Flight : 2  
Position : 170.0  
Height from Ground Level : 1509.6  
Angle : 57.73 / 46.34  
Height : 764.3  
Shaft Diameter : 30.0



Banister : 5  
Flight : 2  
Position : 310.0  
Height from Ground Level : 1637.0  
Angle : 41.43 / 37.42  
Height : 800.4  
Shaft Diameter : 30.0



Banister : 6  
Flight : 2  
Position : 450.0  
Height from Ground Level : 1736.5  
Angle : 34.72 / 32.65  
Height : 809.2  
Shaft Diameter : 30.0

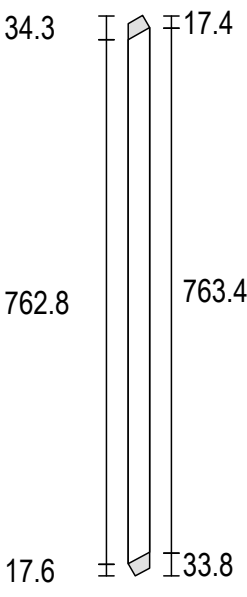


StairDesigner  
Banister : 7-9

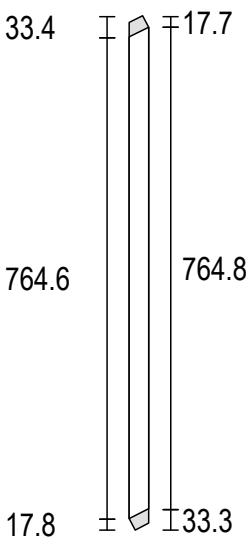
Gulik DK

gullik-karlsen-01v01

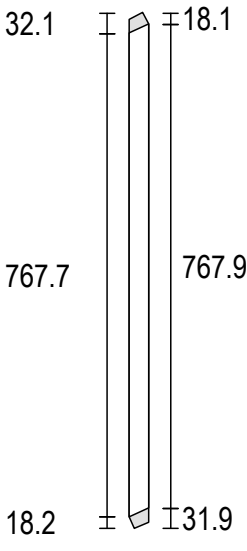
Banister : 7  
Flight : 2  
Position : 590.0  
Height from Ground Level : 1818.4  
Angle : 29.30 / 28.38  
Height : 814.6  
Shaft Diameter : 30.0



Banister : 8  
Flight : 2  
Position : 730.0  
Height from Ground Level : 1892.6  
Angle : 27.65 / 27.36  
Height : 815.8  
Shaft Diameter : 30.0



Banister : 9  
Flight : 3  
Position : 163.8  
Height from Ground Level : 2033.4  
Angle : 25.04 / 24.61  
Height : 818.0  
Shaft Diameter : 30.0



StairDesigner  
Banister : 10-12

**Gulik DK**

gullik-karlsen-01v01

Banister : 10

Flight : 3

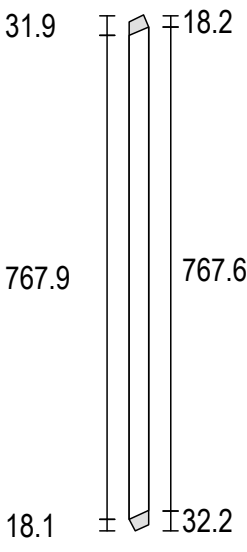
Position : 297.5

Height from Ground Level : 2094.7

Angle : 24.62 / 25.05

Height : 818.0

Shaft Diameter : 30.0



Banister : 11

Flight : 3

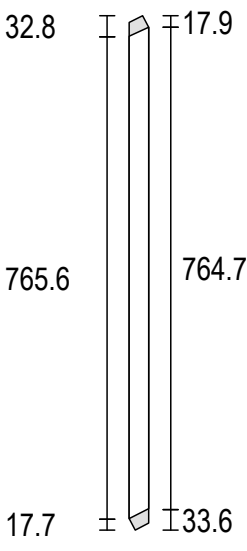
Position : 431.3

Height from Ground Level : 2159.8

Angle : 26.45 / 27.87

Height : 816.1

Shaft Diameter : 30.0



Banister : 12

Flight : 3

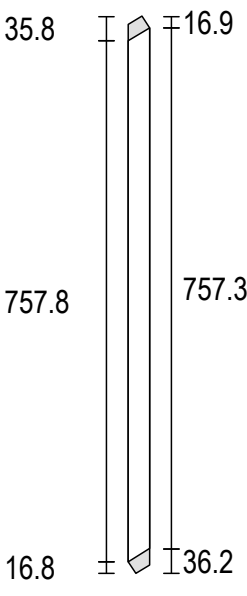
Position : 565.0

Height from Ground Level : 2239.3

Angle : 32.16 / 32.93

Height : 810.4

Shaft Diameter : 30.0

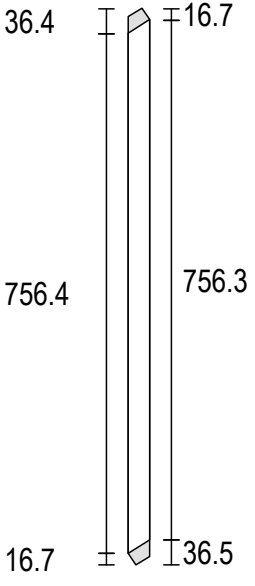


StairDesigner  
Banister : 13-15

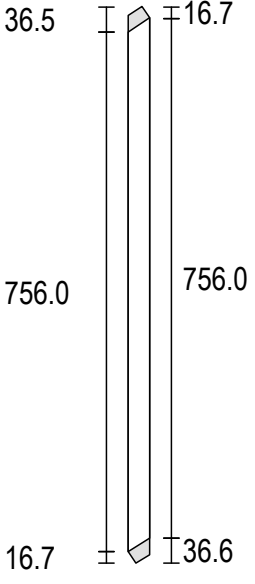
Gulik DK

gullik-karlsen-01v01

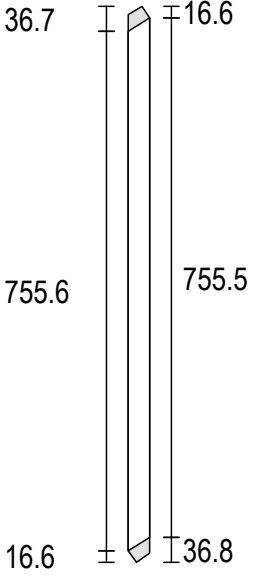
Banister : 13  
Flight : 3  
Position : 698.8  
Height from Ground Level : 2326.7  
Angle : 33.24 / 33.40  
Height : 809.5  
Shaft Diameter : 30.0



Banister : 14  
Flight : 3  
Position : 832.5  
Height from Ground Level : 2415.1  
Angle : 33.51 / 33.60  
Height : 809.2  
Shaft Diameter : 30.0



Banister : 15  
Flight : 3  
Position : 966.3  
Height from Ground Level : 2504.4  
Angle : 33.73 / 33.93  
Height : 808.9  
Shaft Diameter : 30.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	830.0 x 270.7 x 30.0	0.0067 m <sup>3</sup>	0.0058 m <sup>3</sup>
Step 2	859.0 x 303.9 x 30.0	0.0078 m <sup>3</sup>	0.0059 m <sup>3</sup>
Step 3	934.5 x 312.6 x 30.0	0.0088 m <sup>3</sup>	0.0059 m <sup>3</sup>
Step 4	1079.2 x 369.2 x 30.0	0.0120 m <sup>3</sup>	0.0069 m <sup>3</sup>
Step 5	1239.9 x 385.4 x 30.0	0.0143 m <sup>3</sup>	0.0087 m <sup>3</sup>
Step 6	1137.5 x 284.6 x 30.0	0.0097 m <sup>3</sup>	0.0067 m <sup>3</sup>
Step 7	1086.7 x 280.4 x 30.0	0.0091 m <sup>3</sup>	0.0062 m <sup>3</sup>
Step 8	1230.8 x 361.5 x 30.0	0.0133 m <sup>3</sup>	0.0081 m <sup>3</sup>
Step 9	1263.5 x 346.8 x 30.0	0.0131 m <sup>3</sup>	0.0079 m <sup>3</sup>
Step 10	1023.2 x 318.8 x 30.0	0.0098 m <sup>3</sup>	0.0061 m <sup>3</sup>
Step 11	895.2 x 334.5 x 30.0	0.0090 m <sup>3</sup>	0.0058 m <sup>3</sup>
Step 12	810.0 x 50.0 x 30.0	0.0012 m <sup>3</sup>	0.0012 m <sup>3</sup>
Riser 1	810.0 x 196.7 x 20.0	0.0032 m <sup>3</sup>	0.0032 m <sup>3</sup>
Riser 2	834.7 x 226.7 x 20.0	0.0038 m <sup>3</sup>	0.0038 m <sup>3</sup>
Riser 3	860.9 x 226.7 x 20.0	0.0039 m <sup>3</sup>	0.0039 m <sup>3</sup>
Riser 4	920.7 x 226.7 x 20.0	0.0042 m <sup>3</sup>	0.0041 m <sup>3</sup>
Riser 5	1037.5 x 226.7 x 20.0	0.0047 m <sup>3</sup>	0.0046 m <sup>3</sup>
Riser 6	1044.6 x 226.7 x 20.0	0.0047 m <sup>3</sup>	0.0047 m <sup>3</sup>
Riser 7	949.2 x 226.7 x 20.0	0.0043 m <sup>3</sup>	0.0043 m <sup>3</sup>
Riser 8	1021.8 x 226.7 x 20.0	0.0046 m <sup>3</sup>	0.0046 m <sup>3</sup>
Riser 9	1196.5 x 226.7 x 20.0	0.0054 m <sup>3</sup>	0.0053 m <sup>3</sup>
Riser 10	975.2 x 226.7 x 20.0	0.0044 m <sup>3</sup>	0.0044 m <sup>3</sup>
Riser 11	868.8 x 226.7 x 20.0	0.0039 m <sup>3</sup>	0.0039 m <sup>3</sup>
Riser 12	810.0 x 226.7 x 20.0	0.0037 m <sup>3</sup>	0.0037 m <sup>3</sup>
Right Stringboard 1	1131.2 x 300.0 x 50.0	0.0170 m <sup>3</sup>	0.0120 m <sup>3</sup>
Right Stringboard 2	1472.1 x 445.4 x 50.0	0.0328 m <sup>3</sup>	0.0172 m <sup>3</sup>
Right Stringboard 3	1376.8 x 339.0 x 50.0	0.0233 m <sup>3</sup>	0.0180 m <sup>3</sup>
Left Stringboard 1	1894.5 x 379.0 x 50.0	0.0359 m <sup>3</sup>	0.0259 m <sup>3</sup>
Left Stringboard 2	1443.8 x 454.7 x 50.0	0.0328 m <sup>3</sup>	0.0171 m <sup>3</sup>
Left Stringboard 3	1258.8 x 314.6 x 50.0	0.0198 m <sup>3</sup>	0.0105 m <sup>3</sup>
Right Handrail 1	1050.7 x 100.0 x 50.0	0.0053 m <sup>3</sup>	0.0044 m <sup>3</sup>
Right Handrail 2	1166.3 x 215.7 x 50.0	0.0126 m <sup>3</sup>	0.0054 m <sup>3</sup>
Right Handrail 3	1261.8 x 139.0 x 50.0	0.0088 m <sup>3</sup>	0.0060 m <sup>3</sup>
Newel Post 1	90.0 x 90.0 x 1213.3	0.0098 m <sup>3</sup>	0.0098 m <sup>3</sup>
Newel Post 2	90.0 x 90.0 x 2262.3	0.0183 m <sup>3</sup>	0.0183 m <sup>3</sup>
Newel Post 3	90.0 x 90.0 x 1334.8	0.0108 m <sup>3</sup>	0.0108 m <sup>3</sup>
Newel Post 4	90.0 x 90.0 x 1338.3	0.0108 m <sup>3</sup>	0.0108 m <sup>3</sup>
Banister 1	30.1 x 30.0 x 754.1	0.0007 m <sup>3</sup>	0.0005 m <sup>3</sup>
Banister 2	30.1 x 30.0 x 754.1	0.0007 m <sup>3</sup>	0.0005 m <sup>3</sup>
Banister 3	30.1 x 30.0 x 754.1	0.0007 m <sup>3</sup>	0.0005 m <sup>3</sup>
Banister 4	30.1 x 30.0 x 764.3	0.0007 m <sup>3</sup>	0.0005 m <sup>3</sup>
Banister 5	30.1 x 30.0 x 800.4	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 6	30.1 x 30.0 x 809.2	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 7	30.1 x 30.0 x 814.6	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 8	30.1 x 30.0 x 815.8	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 9	30.1 x 30.0 x 818.0	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 10	30.1 x 30.0 x 818.0	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 11	30.1 x 30.0 x 816.1	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 12	30.1 x 30.0 x 810.4	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>



Piece	Dimensions	Cutting List Volume	Real Volume
Banister 13	30.1 x 30.0 x 809.5	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 14	30.1 x 30.0 x 809.2	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>
Banister 15	30.1 x 30.0 x 808.9	0.0007 m <sup>3</sup>	0.0006 m <sup>3</sup>

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.1150 m <sup>3</sup>	0.0752 m <sup>3</sup>		
Risers	0.0509 m <sup>3</sup>	0.0504 m <sup>3</sup>		
Stringboards	0.1616 m <sup>3</sup>	0.1007 m <sup>3</sup>		
Handrails	0.0266 m <sup>3</sup>	0.0159 m <sup>3</sup>		
Newel Posts	0.0498 m <sup>3</sup>	0.0498 m <sup>3</sup>		
Banisters	0.0108 m <sup>3</sup>	0.0083 m <sup>3</sup>		
<b>Total</b>	<b>0.4146 m<sup>3</sup></b>	<b>0.3003 m<sup>3</sup></b>		