

Multi-Flight Stair

Riser Height

: 179.6 mm

Risers : 13

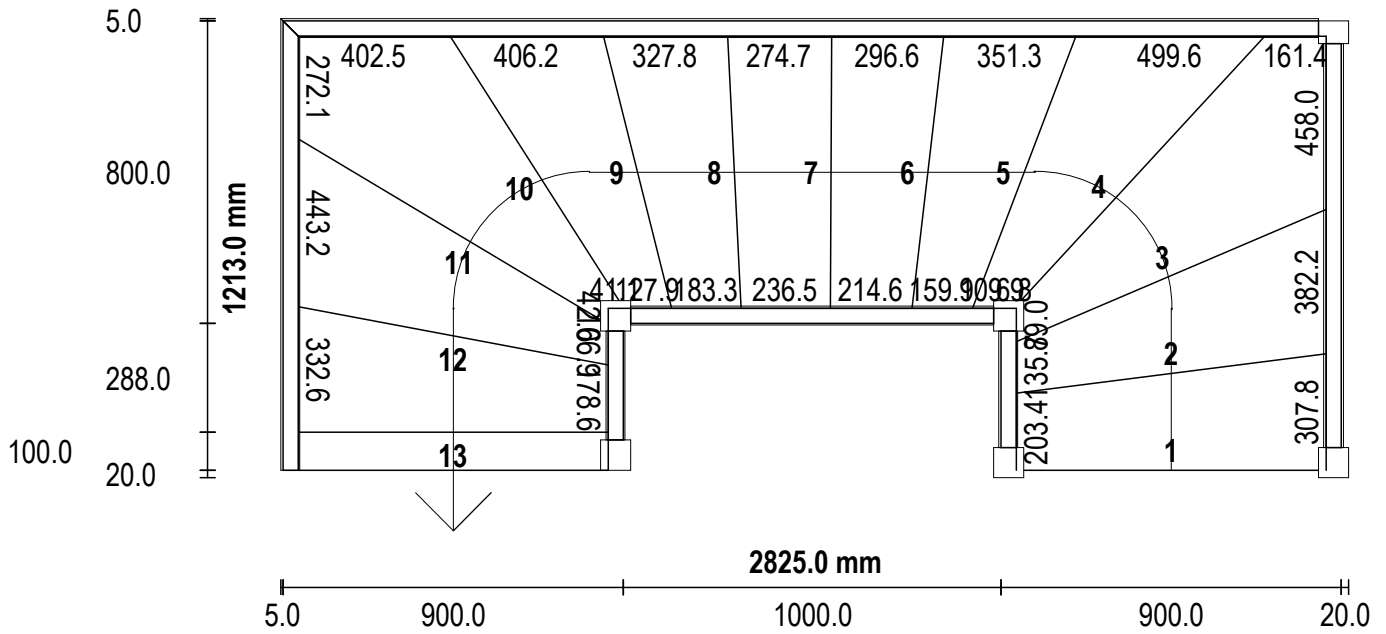
Tread Width

: 255.6 mm

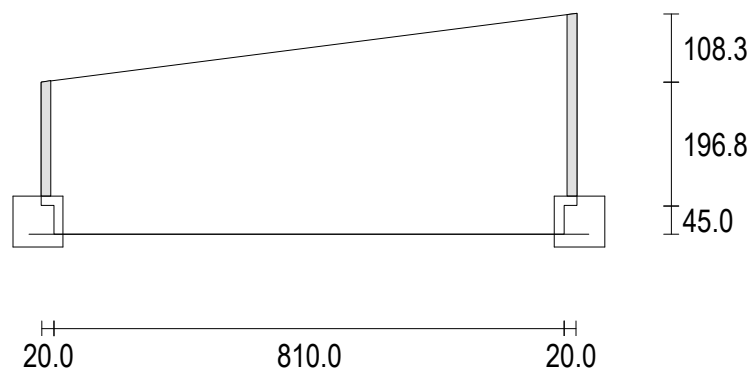
Floor Height : 2335.0 mm

Stair Rule

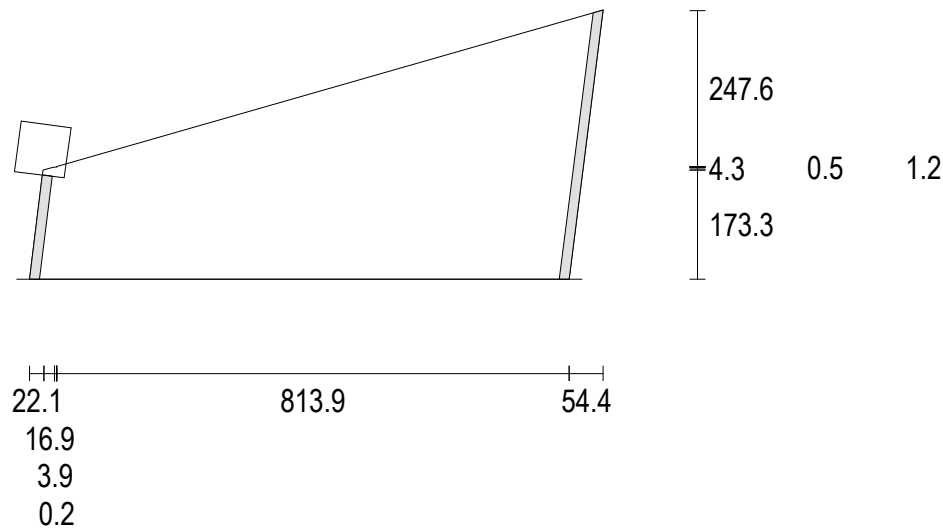
: 614.8 mm



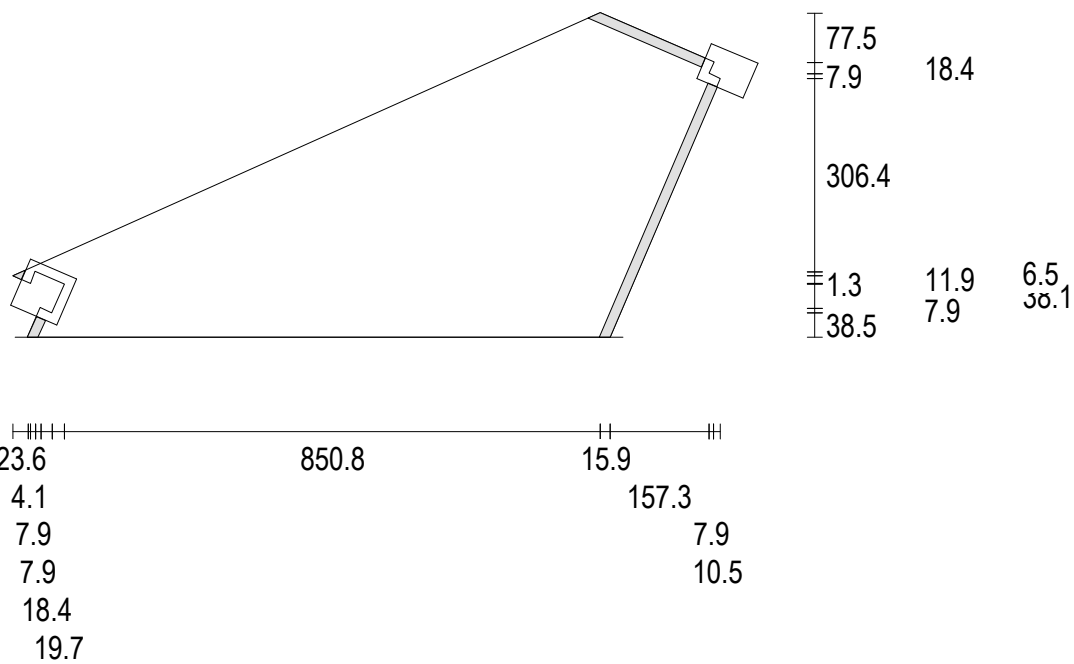
Step : 850.0 x 350.0



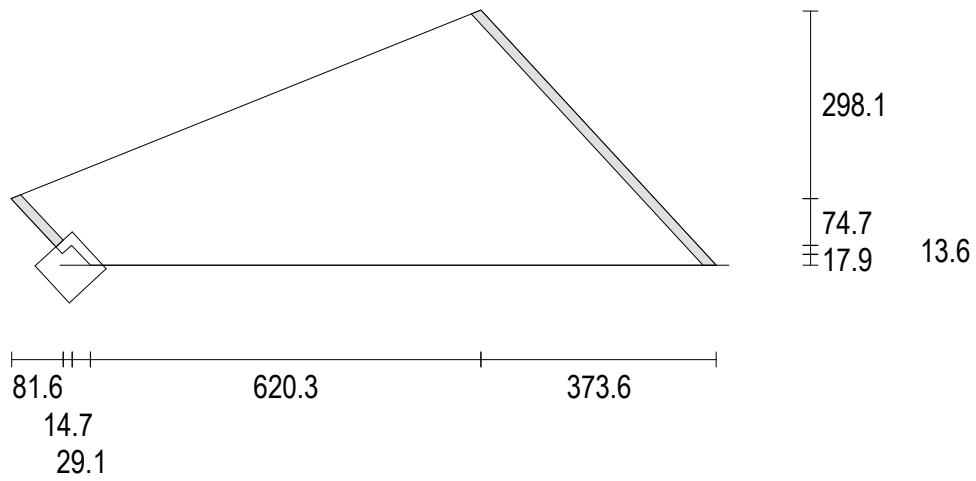
Step : 911.2 x 426.8



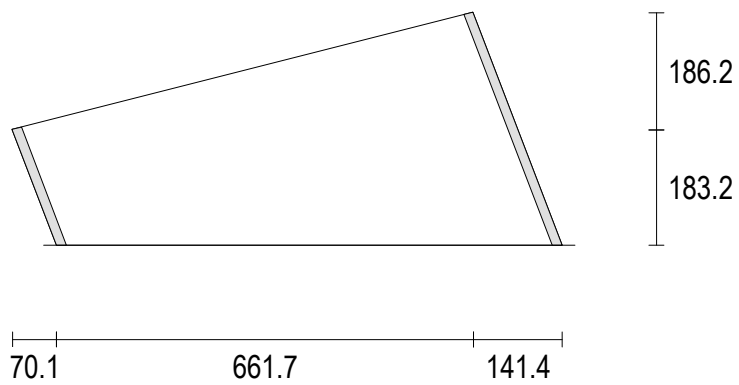
Step : 1124.0 x 514.3



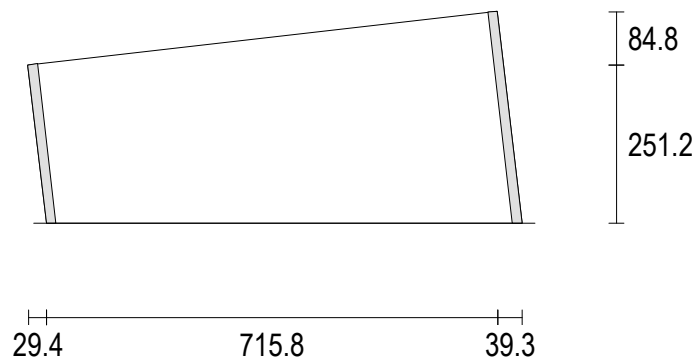
Step : 1119.3 x 404.3



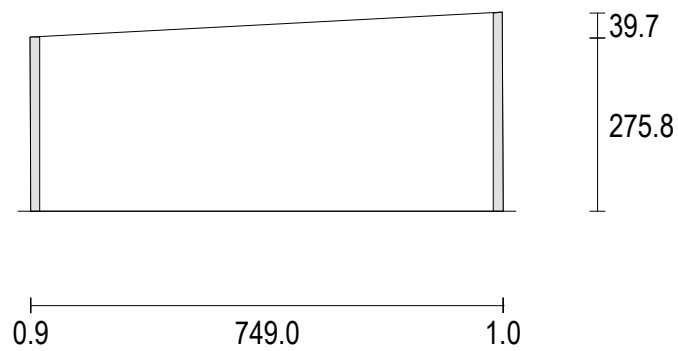
Step : 873.2 x 369.4



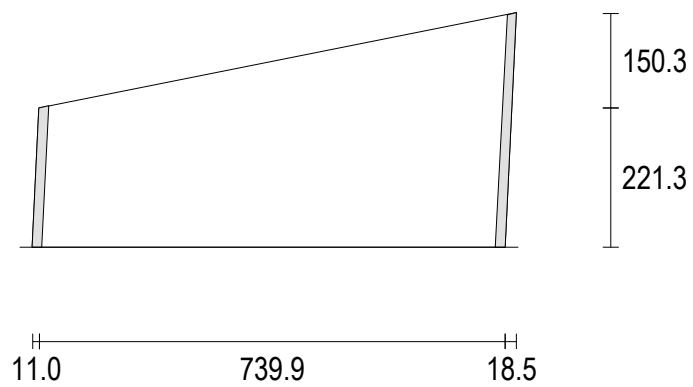
Step : 784.5 x 336.0



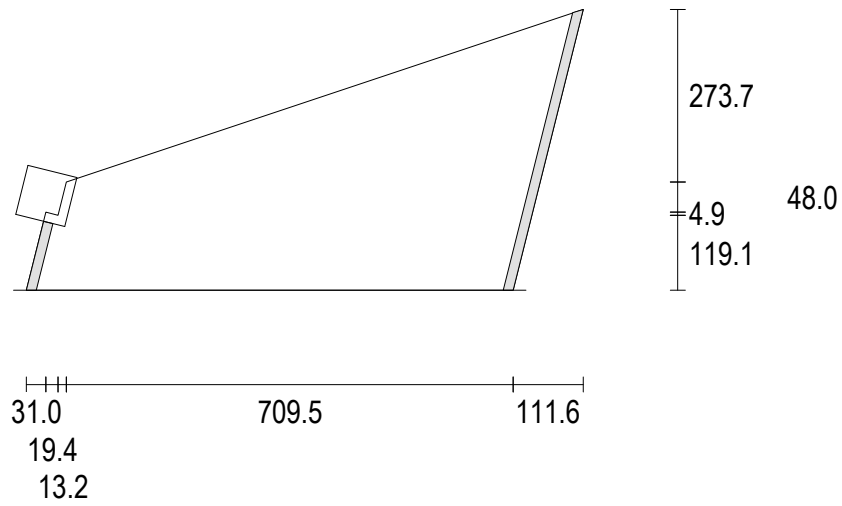
Step : 750.9 x 315.5



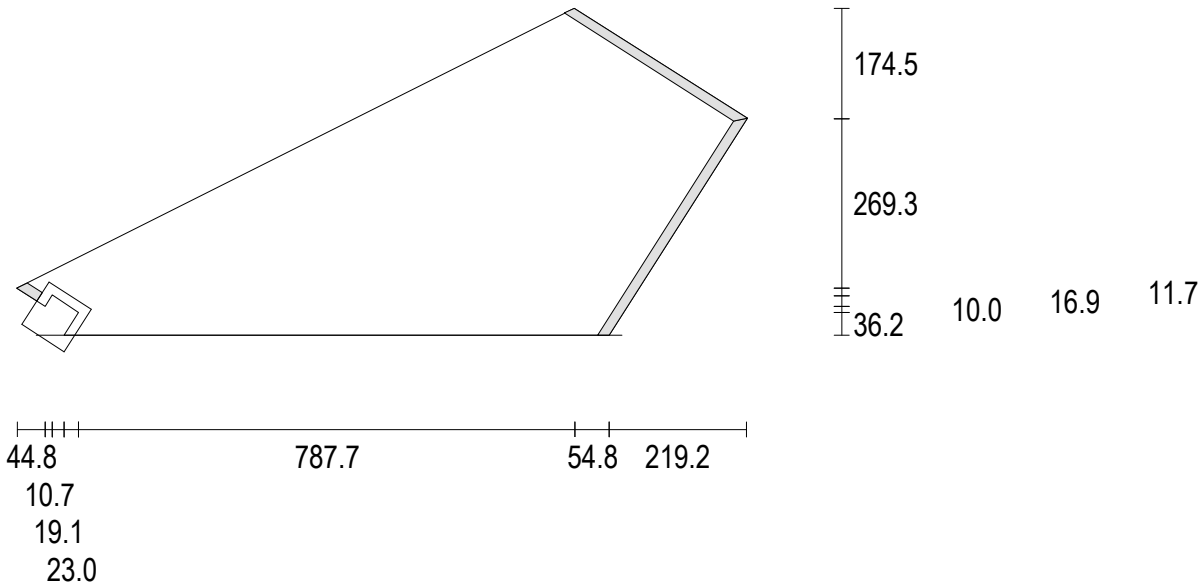
Step : 769.4 x 371.6



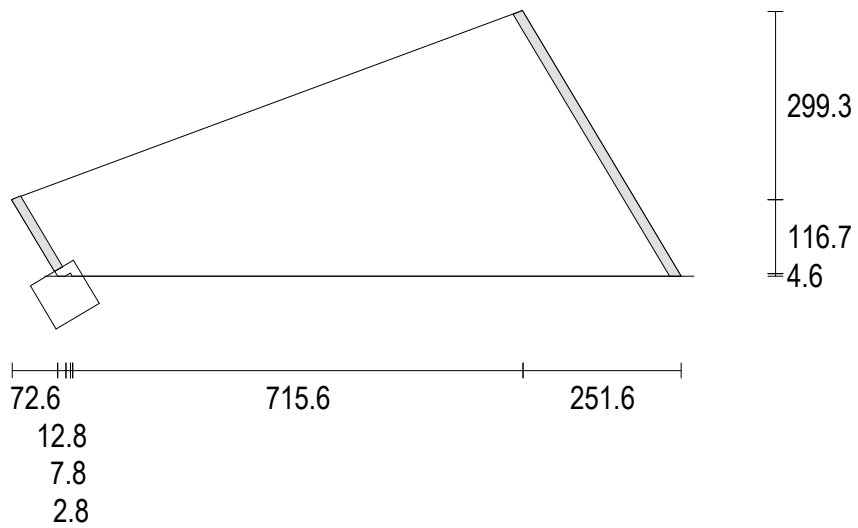
Step : 884.8 x 445.6



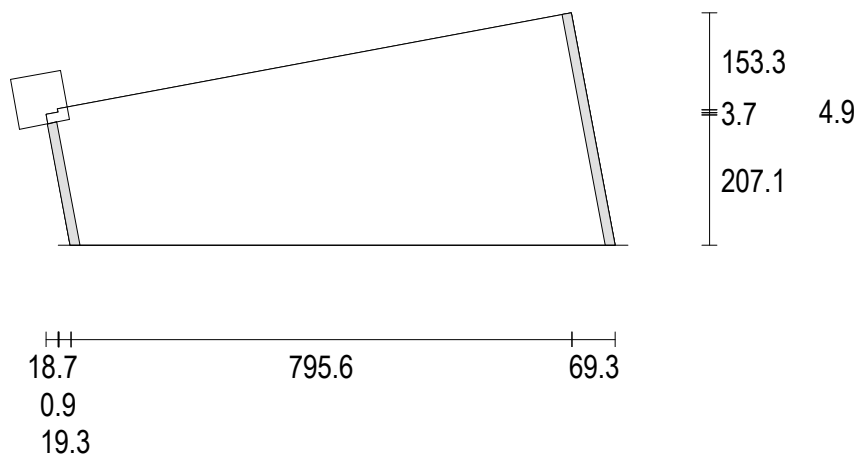
Step : 1159.4 x 518.6



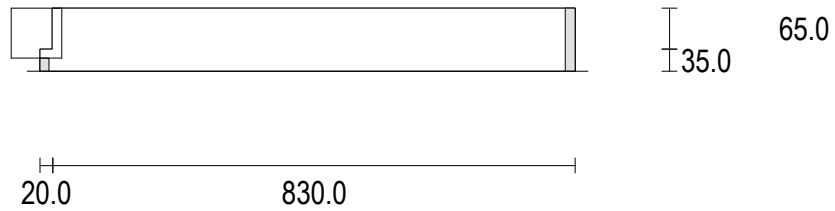
Step : 1063.0 x 420.6



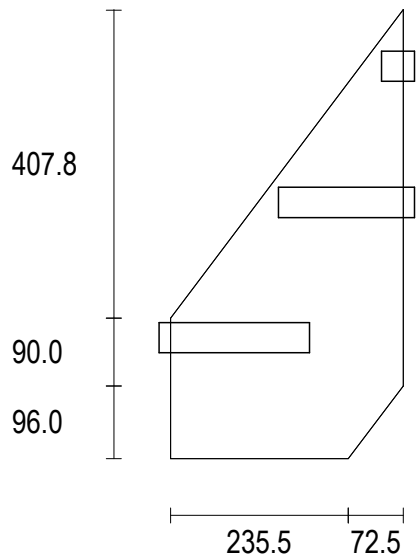
Step : 903.8 x 369.0



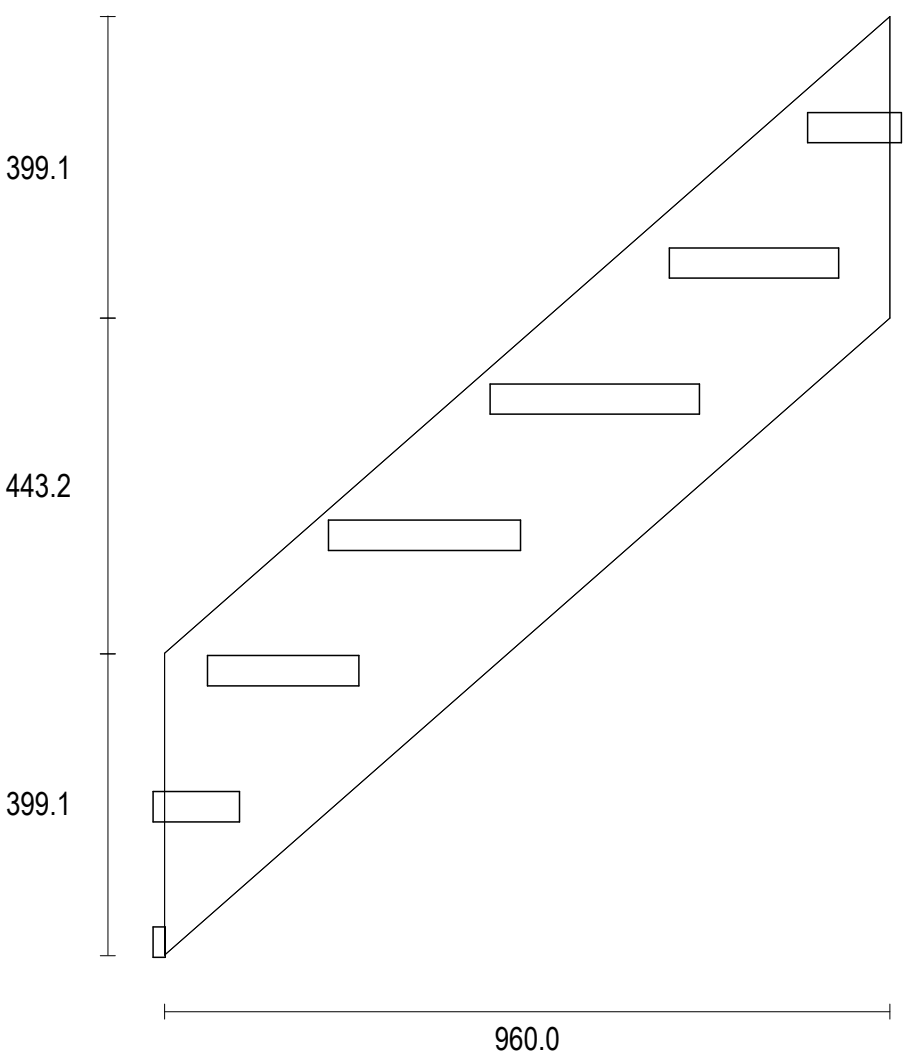
Landing Step



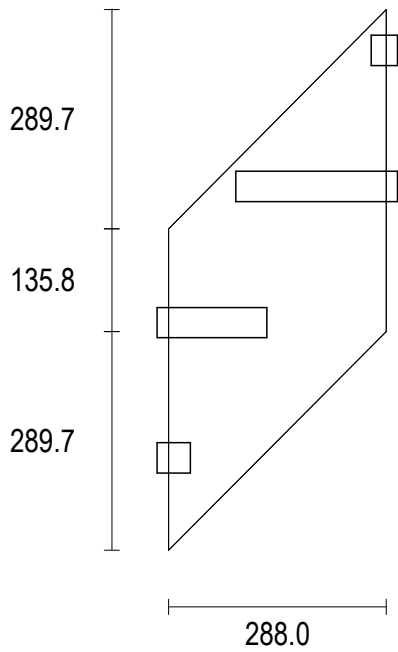
Dimensions : 593.8 x 308.0 (90.0°)



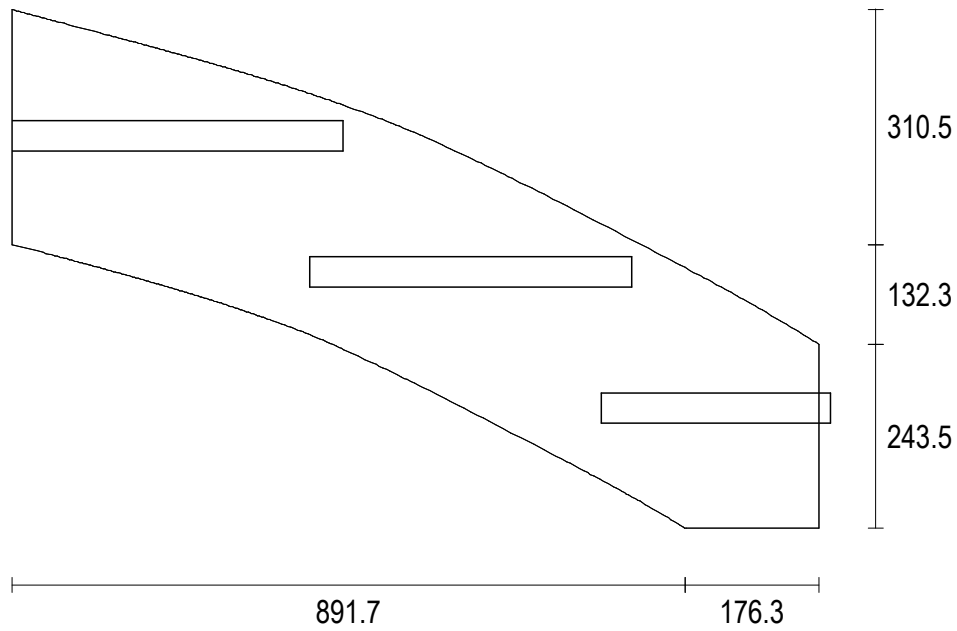
Dimensions : 1540.3 x 300.0 (41.3°)



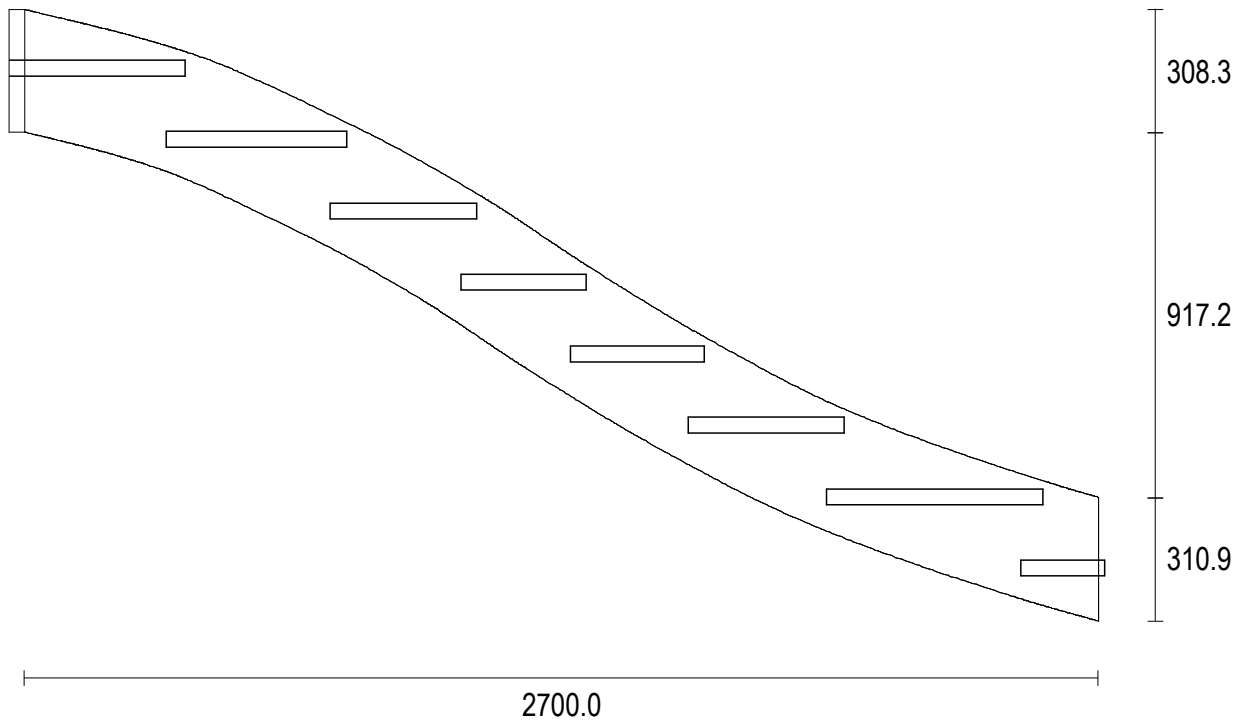
Dimensions : 715.2 x 288.0 (90.0°)



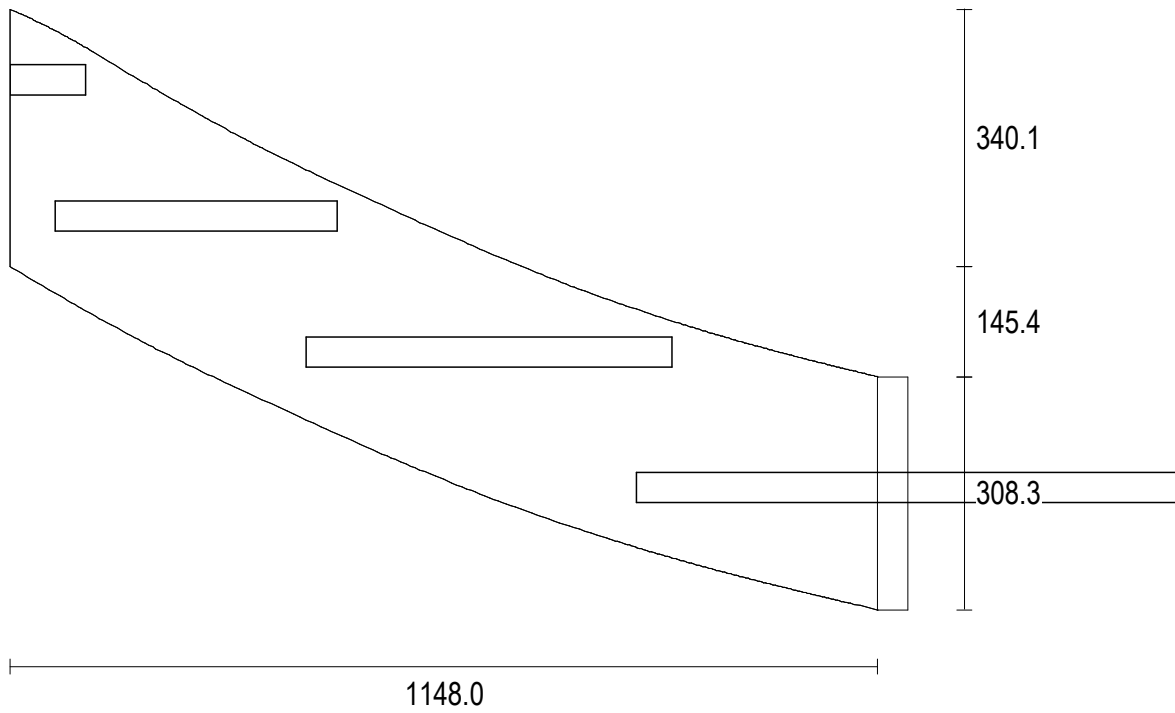
Dimensions : 1250.7 x 343.0 (22.9°)



Dimensions : 3136.8 x 396.4 (26.2°)



Dimensions : 1400.0 x 358.2 (22.2°)



StairDesigner  
Newel Post : 1

**Stig Groenvold**

stig01v04  
Scale : 1/15

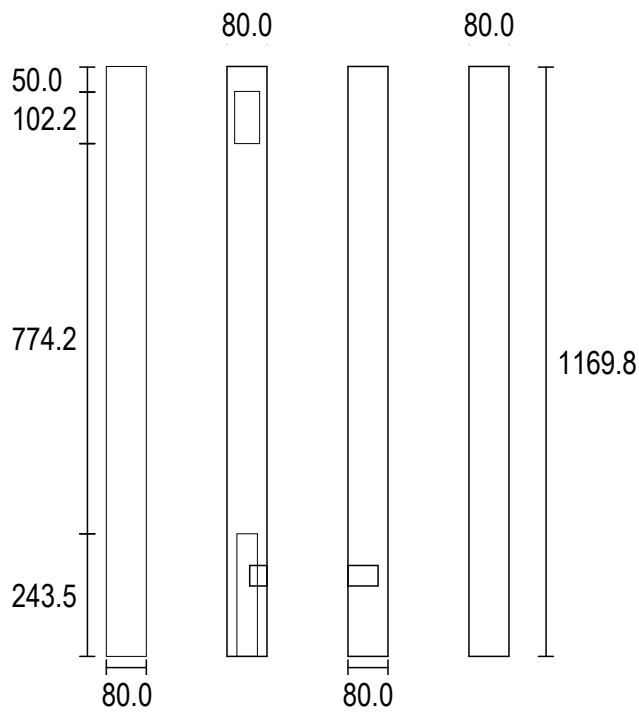
Extremity Newel Post Right Stringboard Flight : 1

Top View

Height : 1169.8

Step 1 Height : 179.6

Front 2 : Stringboard : 0.00 / 32.47 Handrail : 34.32 / 32.82



StairDesigner  
Newel Post : 2

## Stig Groenvold

stig01v04  
Scale : 1/15

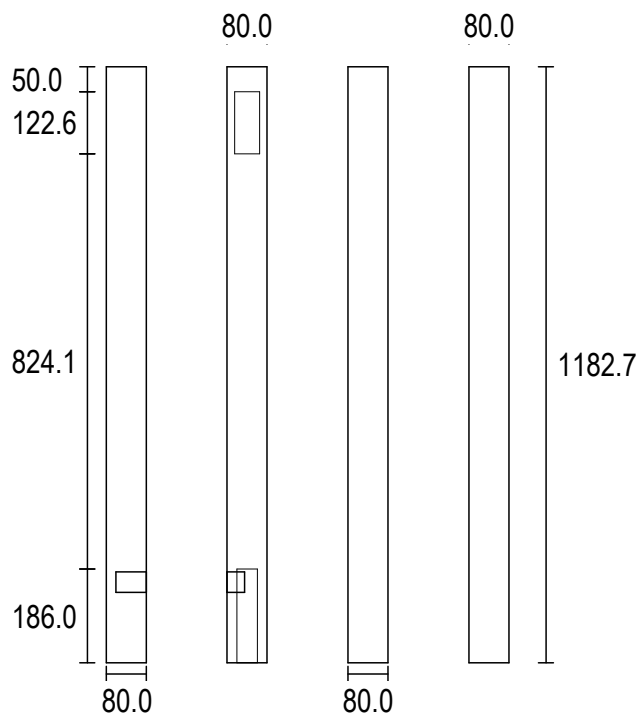
Extremity Newel Post Left Stringboard Flight : 1

Top View

Height : 1182.7

Step 1 Height : 179.6

Front 2 : Stringboard : 0.00 / 52.94 Handrail : 46.11



StairDesigner  
Newel Post : 3

## Stig Groenvold

stig01v04  
Scale : 1/15

Corner Newel Post Right Stringboard Flight : 1-2

Top View

Height : 1625.0

Angle : 90.00

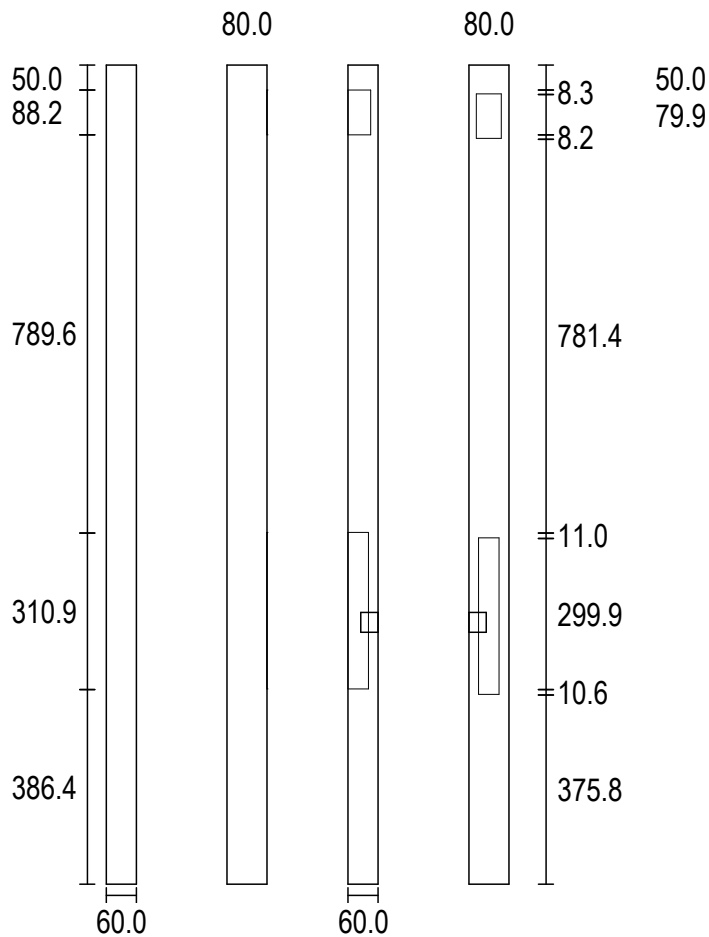
Step 3 Height : 538.8



Front 2 : Stringboard : 14.96 / 15.56 Handrail : 15.31 / 15.51

Front 3 : Stringboard : 14.96 / 15.56 Handrail : 15.31 / 15.51

Front 4 : Stringboard : 14.83 / 15.18 Handrail : 15.11 / 15.25



StairDesigner  
Newel Post : 4

## Stig Groenvold

stig01v04  
Scale : 1/15

Corner Newel Post Left Stringboard Flight : 1-2

Top View

Height : 1773.6

Angle : 90.00

Step 2 Height : 359.2

Step 3 Height : 538.8

Step 4 Height : 718.5

Front 3 : Stringboard : 41.26 Handrail : 43.98

Front 4 : Stringboard : 52.94 Handrail : 46.11



StairDesigner  
Newel Post : 5

## Stig Groenvold

stig01v04  
Scale : 1/15

Corner Newel Post Left Stringboard Flight : 2-3

Top View

Height : 1674.4

Angle : 90.00

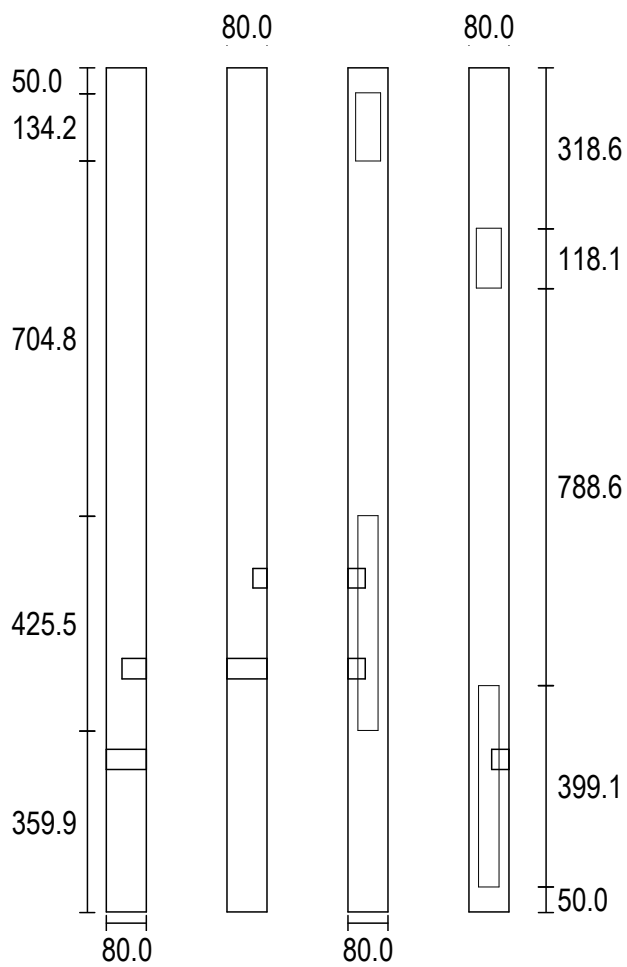
Step 9 Height : 322.4

Step 10 Height : 502.0

Step 11 Height : 681.6

Front 3 : Stringboard : 45.17 Handrail : 50.69

Front 4 : Stringboard : 41.26 Handrail : 43.98



StairDesigner  
Newel Post : 6

**Stig Groenvold**

stig01v04  
Scale : 1/15

Extremity Newel Post Left Stringboard Flight : 3

Top View

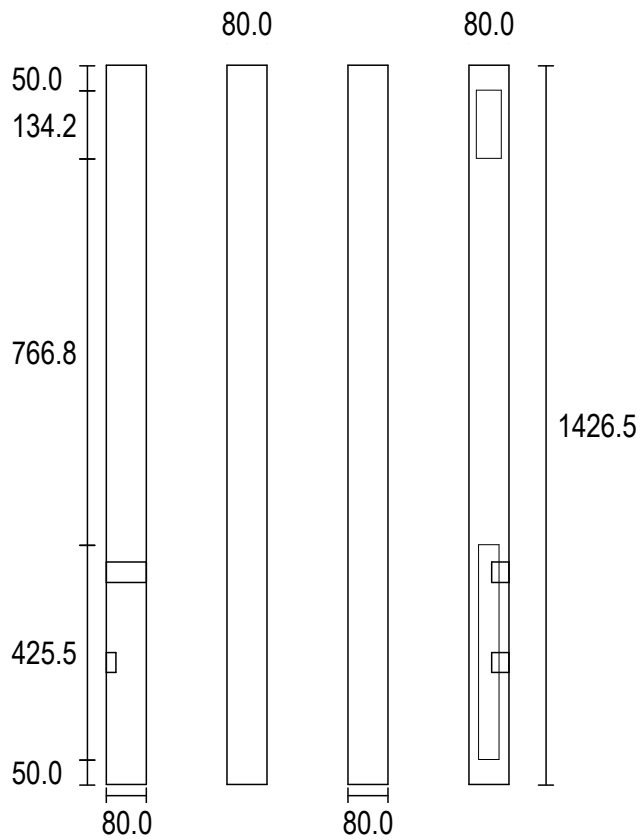
Height : 1426.5

Step 12 Height : 261.6

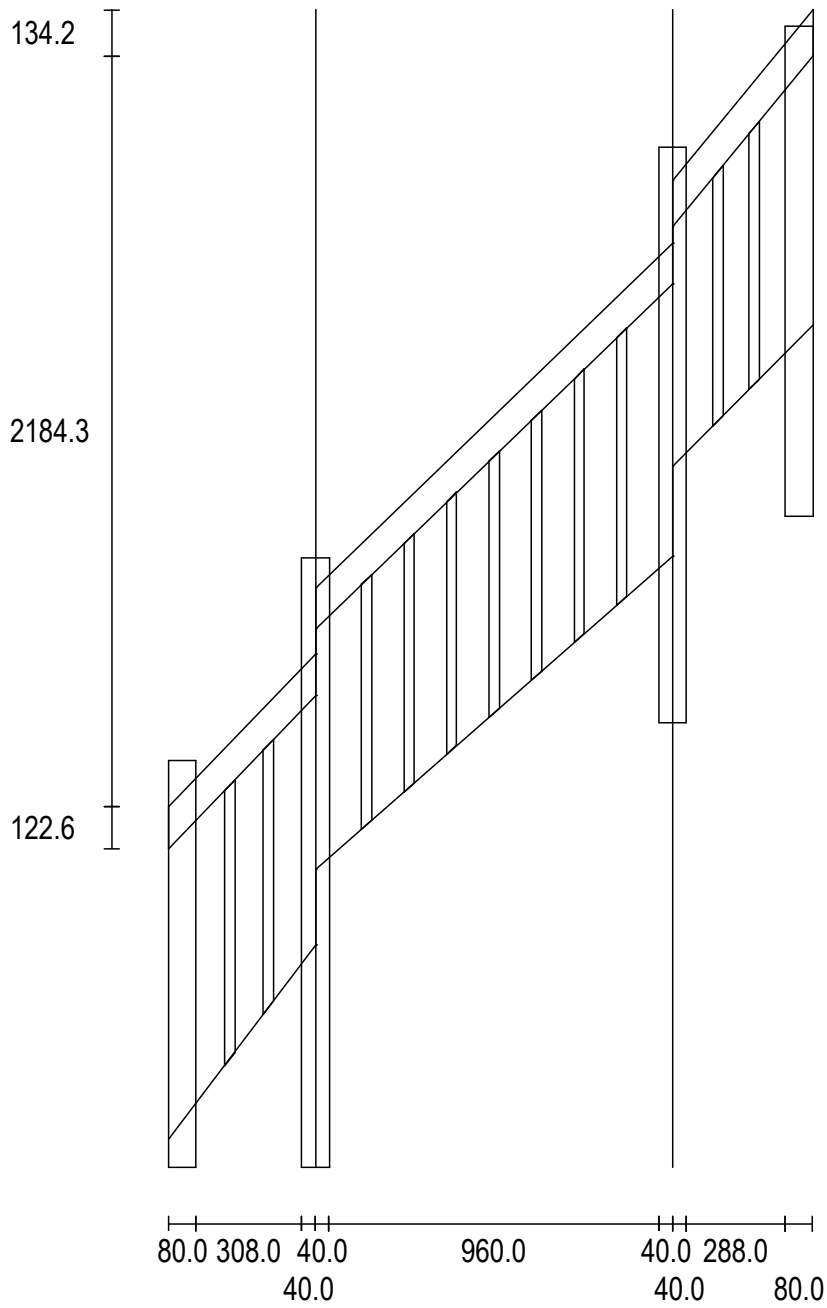
Step 13 Height : 441.2



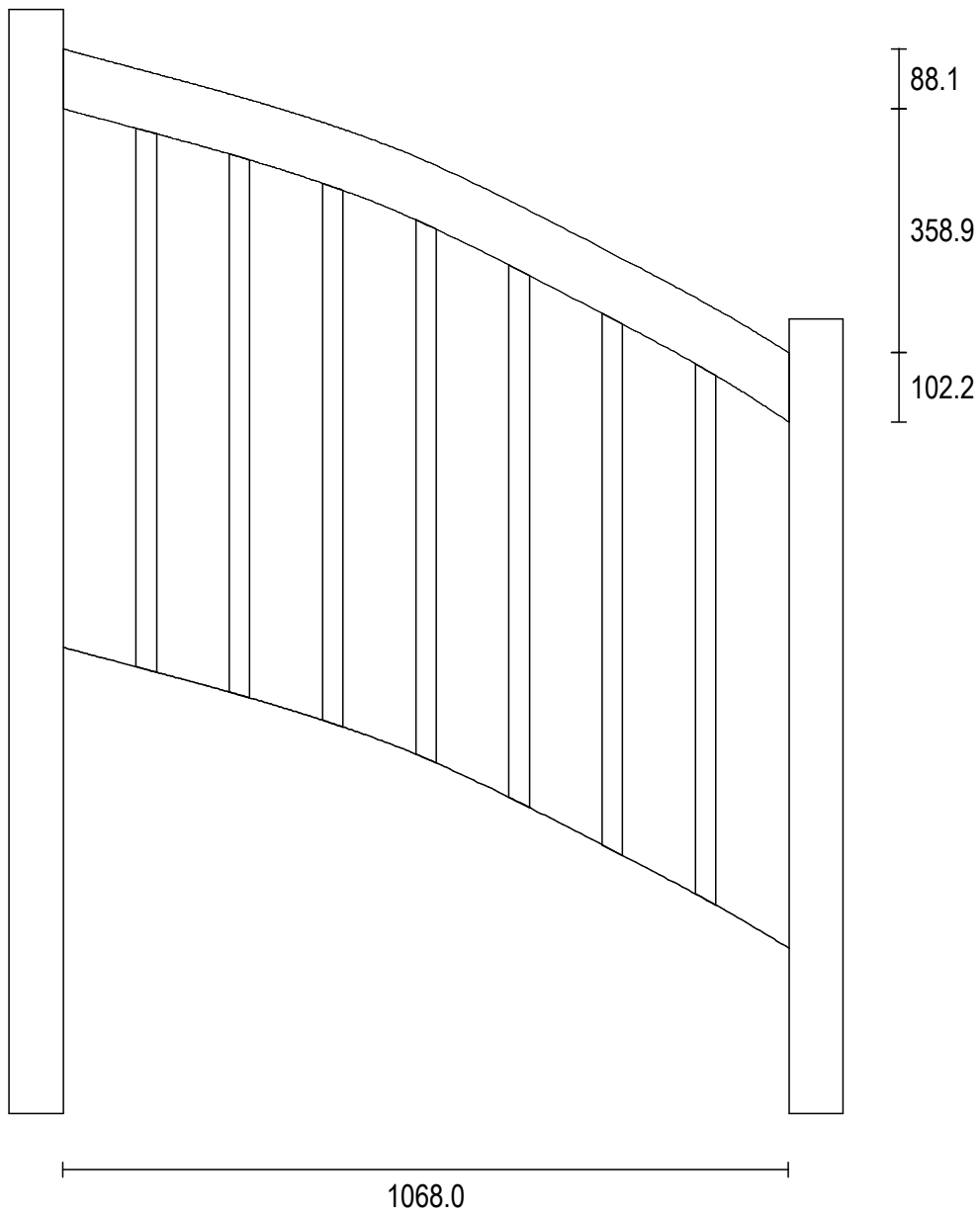
Front 4 : Stringboard : 45.17 Handrail : 50.69



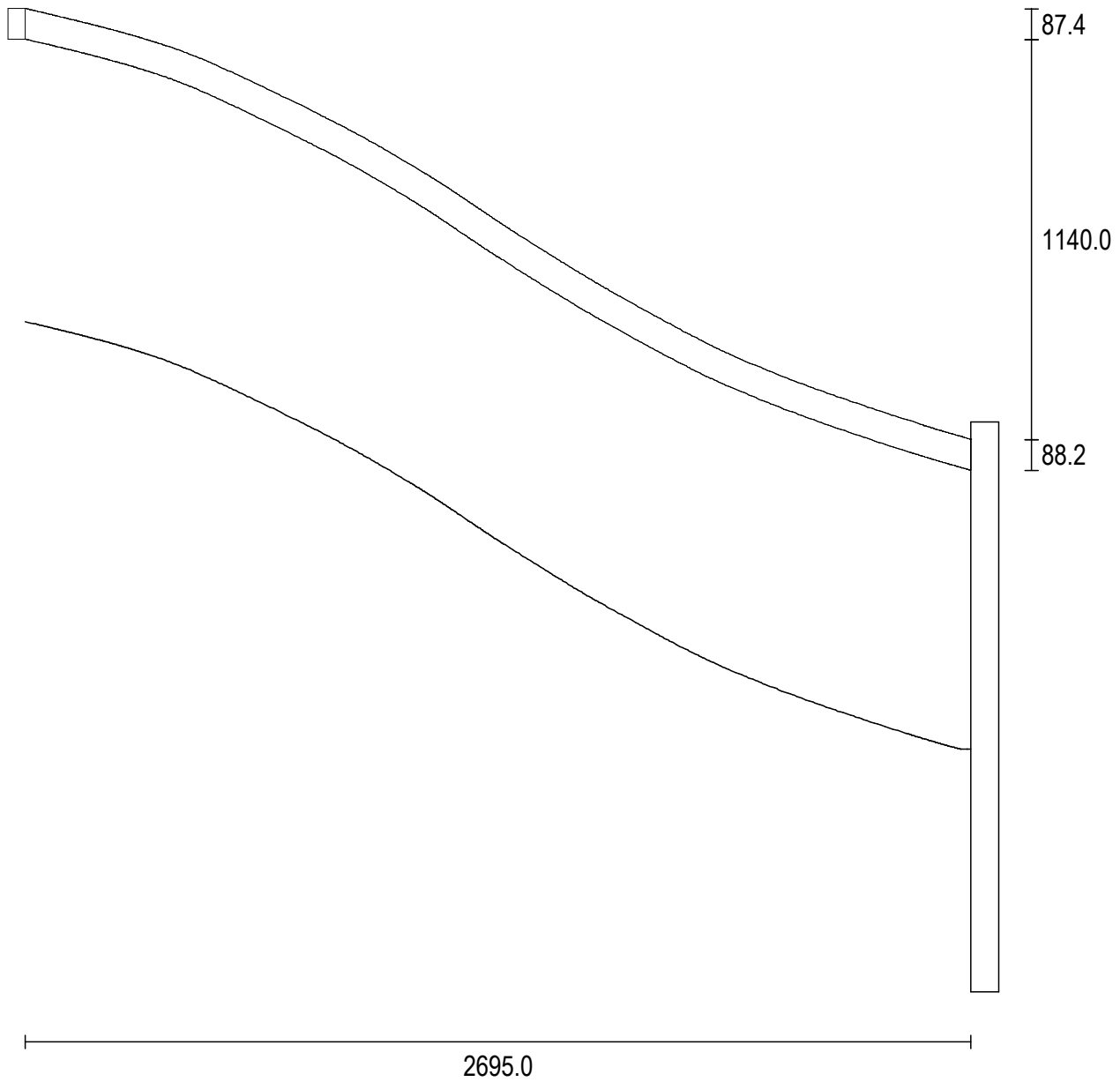
Dimensions : 3074.0 x 210.8 (49.3°)



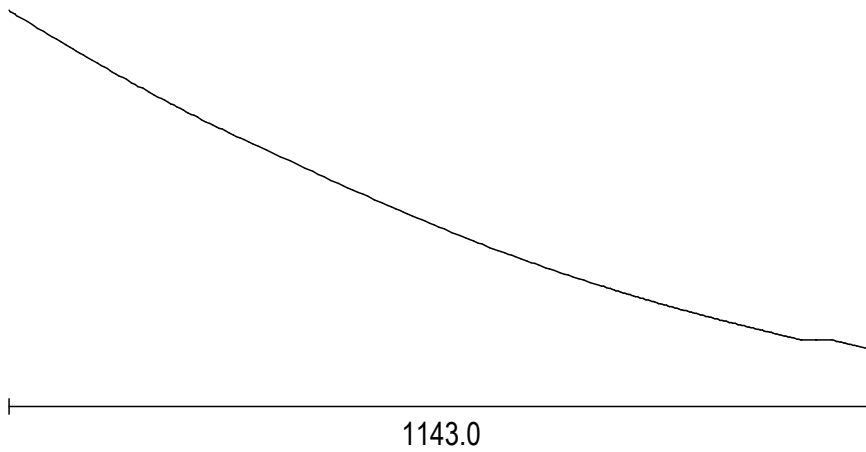
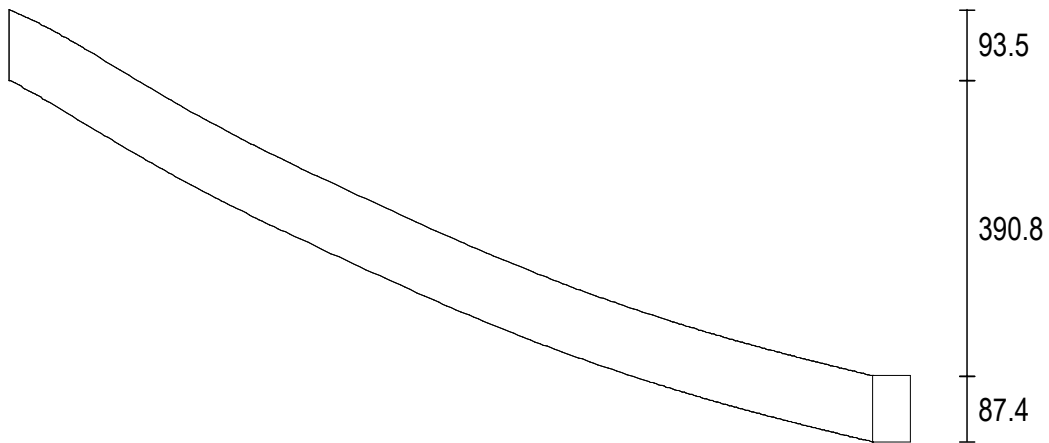
Dimensions : 1198.2 x 141.1 (23.3°)



Dimensions : 3044.0 x 193.4 (25.8°)



Dimensions : 1320.4 x 145.7 (22.1°)



StairDesigner  
Banister : 1-3

Stig Groenvold

stig01v04

Banister : 1

Flight : 1

Position : 202.3

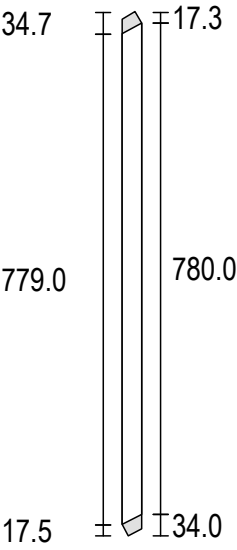
Height from Ground Level : 307.0

Angle : 30.30 / 28.68

Height : 831.3

Length : 30.0

Width : 30.0



Banister : 2

Flight : 1

Position : 339.5

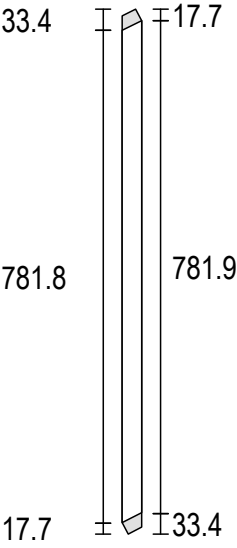
Height from Ground Level : 380.1

Angle : 27.63 / 27.48

Height : 833.0

Length : 30.0

Width : 30.0



Banister : 3

Flight : 1

Position : 476.8

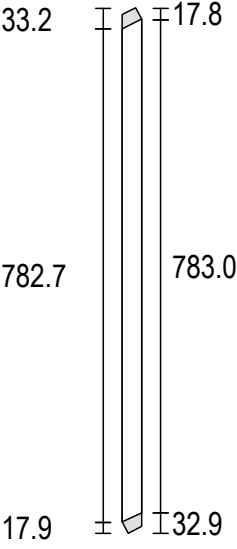
Height from Ground Level : 450.7

Angle : 27.11 / 26.60

Height : 833.7

Length : 30.0

Width : 30.0



StairDesigner  
Banister : 4-6

Stig Groenvold

stig01v04

Banister : 4

Flight : 1

Position : 614.0

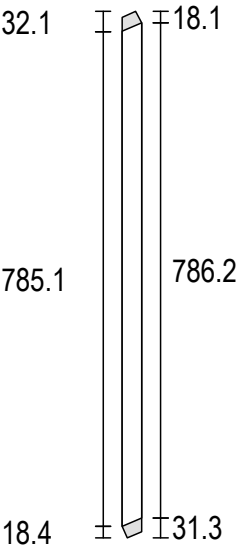
Height from Ground Level : 516.4

Angle : 25.09 / 23.24

Height : 835.6

Length : 30.0

Width : 30.0



Banister : 5

Flight : 1

Position : 751.3

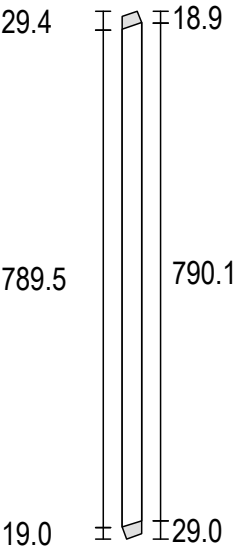
Height from Ground Level : 569.2

Angle : 19.38 / 18.44

Height : 837.9

Length : 30.0

Width : 30.0



Banister : 6

Flight : 1

Position : 888.5

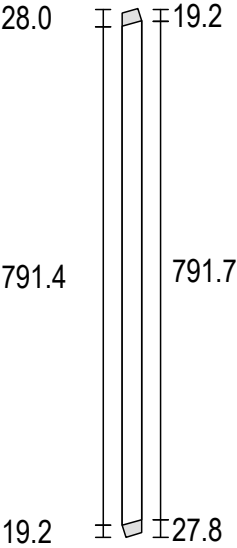
Height from Ground Level : 612.1

Angle : 16.36 / 15.88

Height : 838.7

Length : 30.0

Width : 30.0



StairDesigner  
Banister : 7-9

Stig Groenvold

stig01v04

Banister : 7

Flight : 1

Position : 1025.8

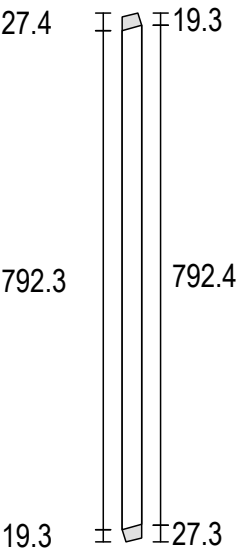
Height from Ground Level : 649.8

Angle : 15.00 / 14.85

Height : 839.0

Length : 30.0

Width : 30.0



Banister : 8

Flight : 1

Position : 177.7

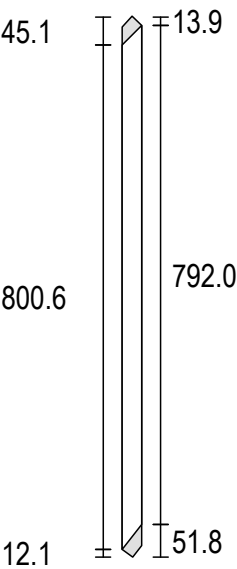
Height from Ground Level : 295.5

Angle : 46.11 / 52.94

Height : 857.7

Length : 30.0

Width : 30.0



Banister : 9

Flight : 1

Position : 290.3

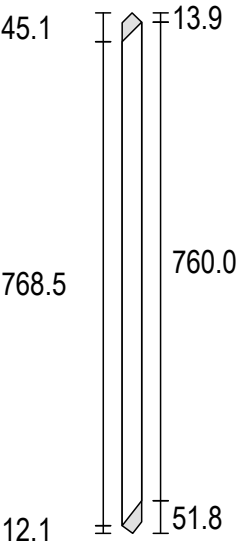
Height from Ground Level : 444.6

Angle : 46.11 / 52.94

Height : 825.6

Length : 30.0

Width : 30.0



StairDesigner  
Banister : 10-12

## Stig Groenvold

stig01v04

Banister : 10

Flight : 2

Position : 148.8

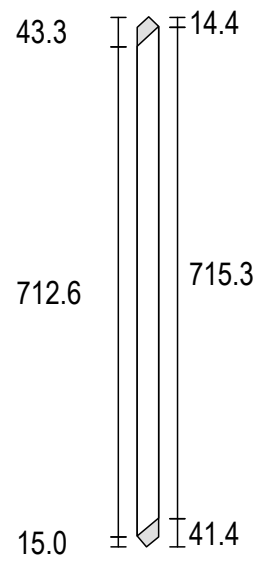
Height from Ground Level : 983.2

Angle : 43.98 / 41.26

Height : 771.0

Length : 30.0

Width : 30.0



Banister : 11

Flight : 2

Position : 272.5

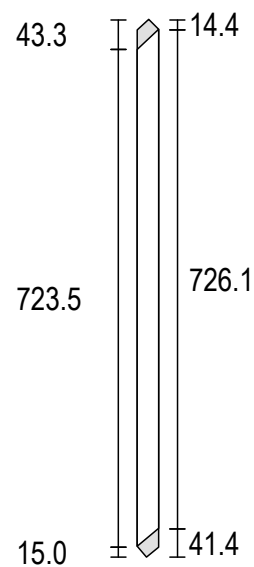
Height from Ground Level : 1091.8

Angle : 43.98 / 41.26

Height : 781.9

Length : 30.0

Width : 30.0



Banister : 12

Flight : 2

Position : 396.3

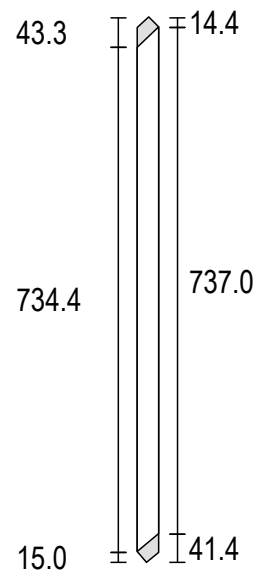
Height from Ground Level : 1200.4

Angle : 43.98 / 41.26

Height : 792.7

Length : 30.0

Width : 30.0

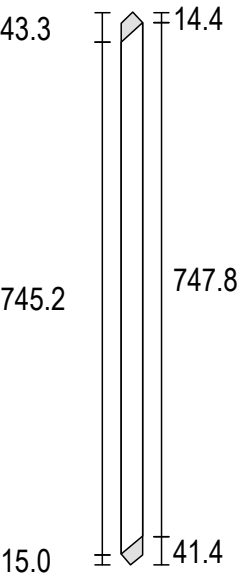


StairDesigner  
Banister : 13-15

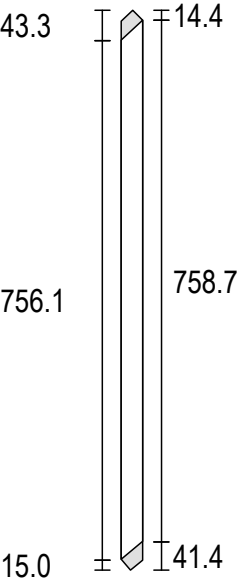
Stig Groenvold

stig01v04

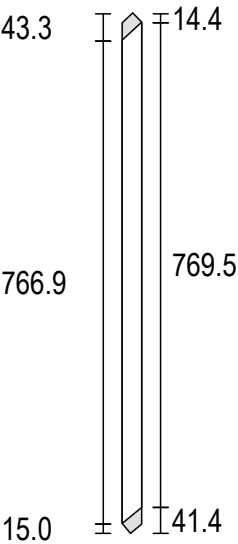
Banister : 13  
Flight : 2  
Position : 520.0  
Height from Ground Level : 1309.0  
Angle : 43.98 / 41.26  
Height : 803.6  
Length : 30.0  
Width : 30.0



Banister : 14  
Flight : 2  
Position : 643.8  
Height from Ground Level : 1417.5  
Angle : 43.98 / 41.26  
Height : 814.4  
Length : 30.0  
Width : 30.0



Banister : 15  
Flight : 2  
Position : 767.5  
Height from Ground Level : 1526.1  
Angle : 43.98 / 41.26  
Height : 825.3  
Length : 30.0  
Width : 30.0

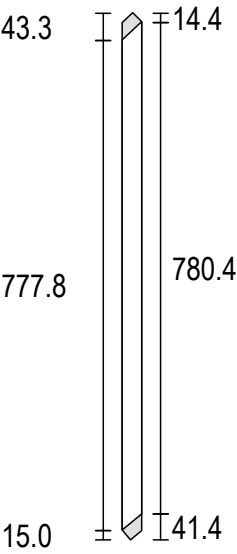


StairDesigner  
Banister : 16-18

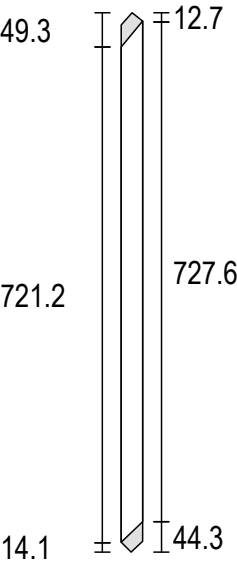
Stig Groenvold

stig01v04

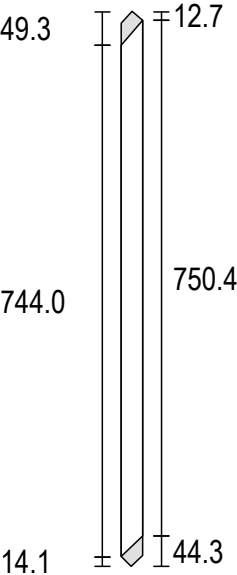
Banister : 16  
Flight : 2  
Position : 891.3  
Height from Ground Level : 1634.7  
Angle : 43.98 / 41.26  
Height : 836.1  
Length : 30.0  
Width : 30.0



Banister : 17  
Flight : 3  
Position : 131.0  
Height from Ground Level : 2156.0  
Angle : 50.69 / 45.17  
Height : 784.6  
Length : 30.0  
Width : 30.0



Banister : 18  
Flight : 3  
Position : 237.0  
Height from Ground Level : 2262.7  
Angle : 50.69 / 45.17  
Height : 807.4  
Length : 30.0  
Width : 30.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	850.0 x 350.0 x 40.0	0.0119 m <sup>3</sup>	0.0100 m <sup>3</sup>
Step 2	911.2 x 426.8 x 40.0	0.0156 m <sup>3</sup>	0.0103 m <sup>3</sup>
Step 3	1124.0 x 514.3 x 40.0	0.0231 m <sup>3</sup>	0.0134 m <sup>3</sup>
Step 4	1119.3 x 404.3 x 40.0	0.0181 m <sup>3</sup>	0.0104 m <sup>3</sup>
Step 5	873.2 x 369.4 x 40.0	0.0129 m <sup>3</sup>	0.0089 m <sup>3</sup>
Step 6	784.5 x 336.0 x 40.0	0.0105 m <sup>3</sup>	0.0089 m <sup>3</sup>
Step 7	750.9 x 315.5 x 40.0	0.0095 m <sup>3</sup>	0.0089 m <sup>3</sup>
Step 8	769.4 x 371.6 x 40.0	0.0114 m <sup>3</sup>	0.0089 m <sup>3</sup>
Step 9	884.8 x 445.6 x 40.0	0.0158 m <sup>3</sup>	0.0094 m <sup>3</sup>
Step 10	1159.4 x 518.6 x 40.0	0.0240 m <sup>3</sup>	0.0135 m <sup>3</sup>
Step 11	1063.0 x 420.6 x 40.0	0.0179 m <sup>3</sup>	0.0107 m <sup>3</sup>
Step 12	903.8 x 369.0 x 40.0	0.0133 m <sup>3</sup>	0.0100 m <sup>3</sup>
Step 13	850.0 x 100.0 x 40.0	0.0034 m <sup>3</sup>	0.0033 m <sup>3</sup>
Right Stringboard 1	1250.7 x 343.0 x 40.0	0.0172 m <sup>3</sup>	0.0137 m <sup>3</sup>
Right Stringboard 2	3136.8 x 396.4 x 40.0	0.0497 m <sup>3</sup>	0.0360 m <sup>3</sup>
Right Stringboard 3	1400.0 x 358.2 x 40.0	0.0201 m <sup>3</sup>	0.0152 m <sup>3</sup>
Left Stringboard 1	593.8 x 308.0 x 40.0	0.0073 m <sup>3</sup>	0.0047 m <sup>3</sup>
Left Stringboard 2	1540.3 x 300.0 x 40.0	0.0185 m <sup>3</sup>	0.0153 m <sup>3</sup>
Left Stringboard 3	715.2 x 288.0 x 40.0	0.0082 m <sup>3</sup>	0.0049 m <sup>3</sup>
Right Handrail 1	1198.2 x 141.1 x 50.0	0.0085 m <sup>3</sup>	0.0050 m <sup>3</sup>
Right Handrail 2	3044.0 x 193.4 x 50.0	0.0294 m <sup>3</sup>	0.0128 m <sup>3</sup>
Right Handrail 3	1320.4 x 145.7 x 50.0	0.0096 m <sup>3</sup>	0.0054 m <sup>3</sup>
Left Handrail 1	532.7 x 85.0 x 50.0	0.0023 m <sup>3</sup>	0.0019 m <sup>3</sup>
Left Handrail 2	1416.1 x 85.0 x 50.0	0.0060 m <sup>3</sup>	0.0057 m <sup>3</sup>
Left Handrail 3	558.4 x 85.0 x 50.0	0.0024 m <sup>3</sup>	0.0019 m <sup>3</sup>
Newel Post 1	80.0 x 80.0 x 1169.8	0.0075 m <sup>3</sup>	0.0075 m <sup>3</sup>
Newel Post 2	80.0 x 80.0 x 1182.7	0.0076 m <sup>3</sup>	0.0076 m <sup>3</sup>
Newel Post 3	80.0 x 60.0 x 1625.0	0.0078 m <sup>3</sup>	0.0078 m <sup>3</sup>
Newel Post 4	80.0 x 80.0 x 1773.6	0.0114 m <sup>3</sup>	0.0114 m <sup>3</sup>
Newel Post 5	80.0 x 80.0 x 1674.4	0.0107 m <sup>3</sup>	0.0107 m <sup>3</sup>
Newel Post 6	80.0 x 80.0 x 1426.5	0.0091 m <sup>3</sup>	0.0091 m <sup>3</sup>
Banister 1	30.0 x 30.0 x 831.3	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 2	30.0 x 30.0 x 833.0	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 3	30.0 x 30.0 x 833.7	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 4	30.0 x 30.0 x 835.6	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 5	30.0 x 30.0 x 837.9	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 6	30.0 x 30.0 x 838.7	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 7	30.0 x 30.0 x 839.0	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 8	30.0 x 30.0 x 857.7	0.0008 m <sup>3</sup>	0.0008 m <sup>3</sup>
Banister 9	30.0 x 30.0 x 825.6	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 10	30.0 x 30.0 x 771.0	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 11	30.0 x 30.0 x 781.9	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 12	30.0 x 30.0 x 792.7	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 13	30.0 x 30.0 x 803.6	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 14	30.0 x 30.0 x 814.4	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 15	30.0 x 30.0 x 825.3	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 16	30.0 x 30.0 x 836.1	0.0008 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 17	30.0 x 30.0 x 784.6	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>
Banister 18	30.0 x 30.0 x 807.4	0.0007 m <sup>3</sup>	0.0007 m <sup>3</sup>

StairDesigner  
Cutting List (2/2)

**Stig Groenvold**

stig01v04

Piece	Dimensions	Cutting List Volume	Real Volume
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Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.1875 m <sup>3</sup>	0.1266 m <sup>3</sup>		
Stringboards	0.1210 m <sup>3</sup>	0.0898 m <sup>3</sup>		
Handrails	0.0582 m <sup>3</sup>	0.0326 m <sup>3</sup>		
Newel Posts	0.0541 m <sup>3</sup>	0.0541 m <sup>3</sup>		
Banisters	0.0133 m <sup>3</sup>	0.0131 m <sup>3</sup>		
<b>Total</b>	<b>0.4340 m<sup>3</sup></b>	<b>0.3162 m<sup>3</sup></b>		