

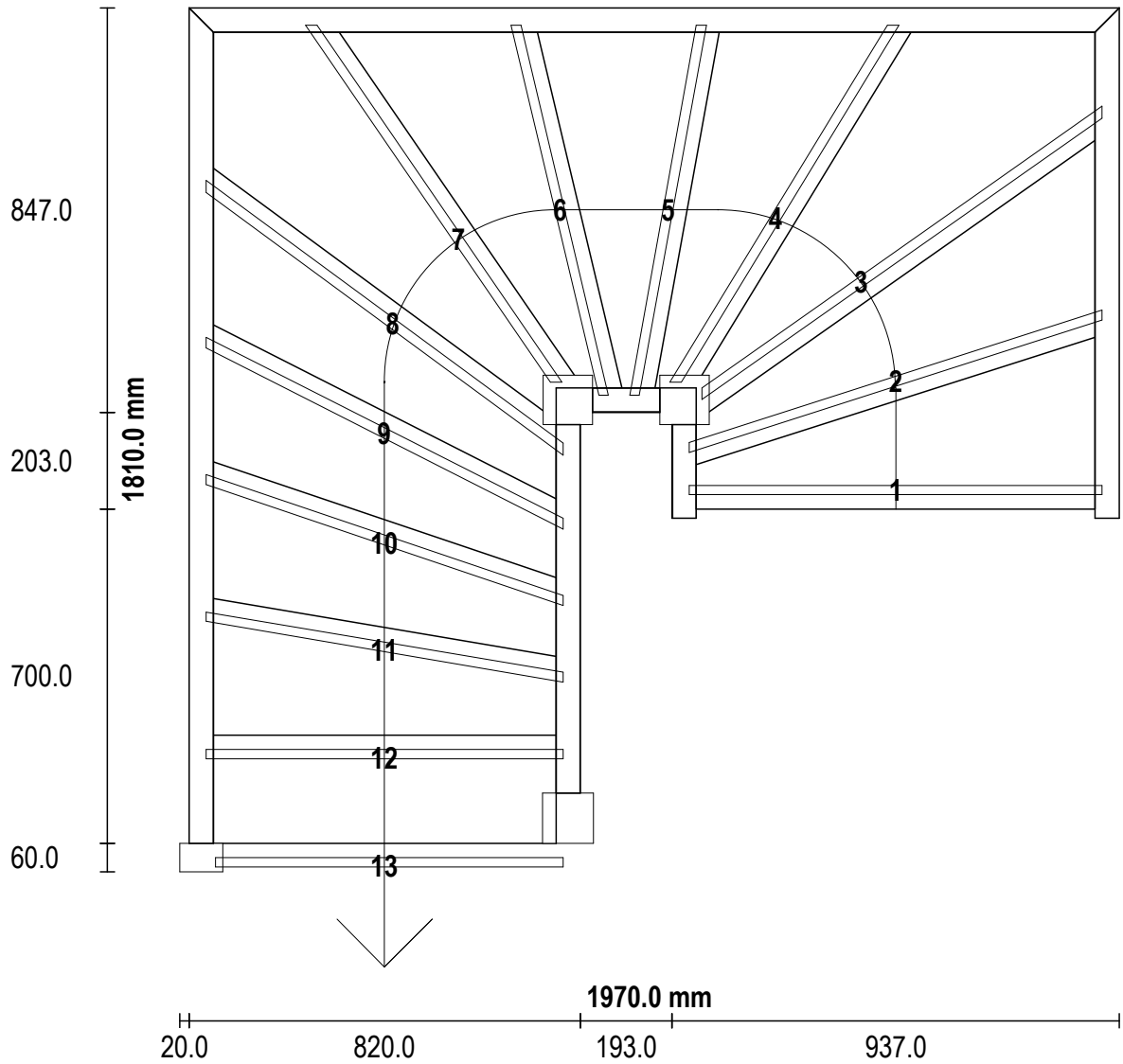
Multi-Flight Stair

Risers : 13
Floor Height : 2400.0 mm

Riser Height : 184.6 mm

Tread Width : 225.9 mm

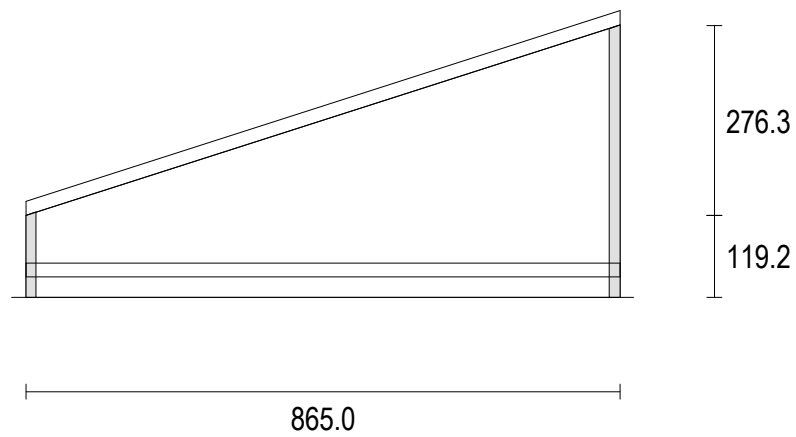
Stair Rule : 595.1 mm



Step : 865.0 x 395.5

Riser

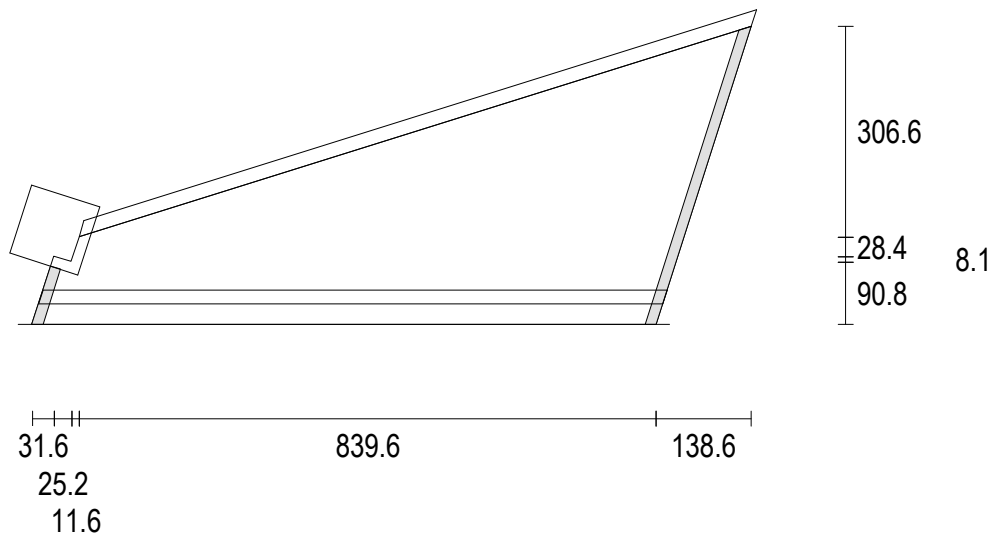
Width : 865.0 Height : 153.6 Thickness : 20.0 Angle : -0.00



Step : 1046.7 x 433.9

Riser

Width : 914.5 Height : 194.6 Thickness : 20.0 Angle : -17.72



StairDesigner
Step : 3

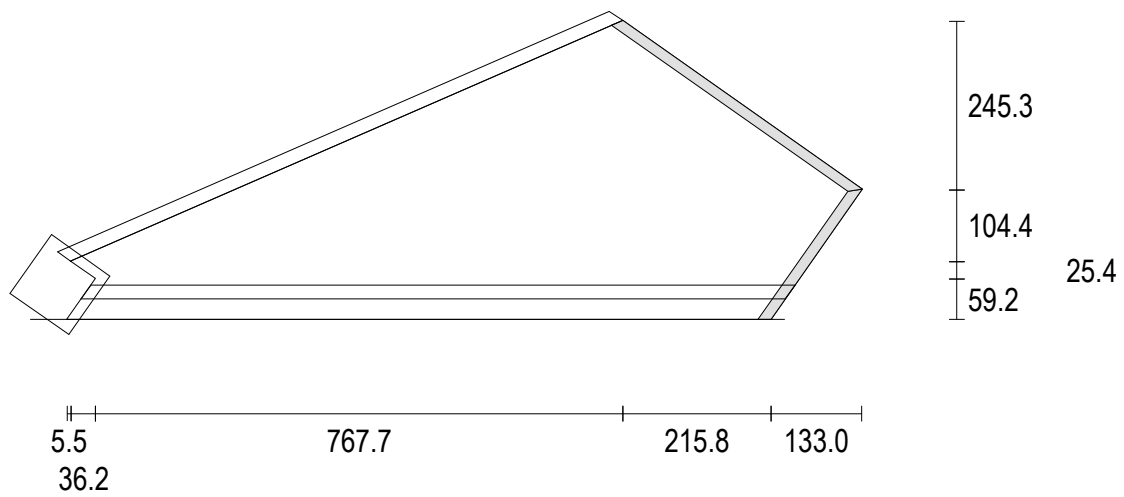
Jon Helgheim

helgheim01v04
Scale : 1/11

Step : 1158.1 x 434.4

Riser

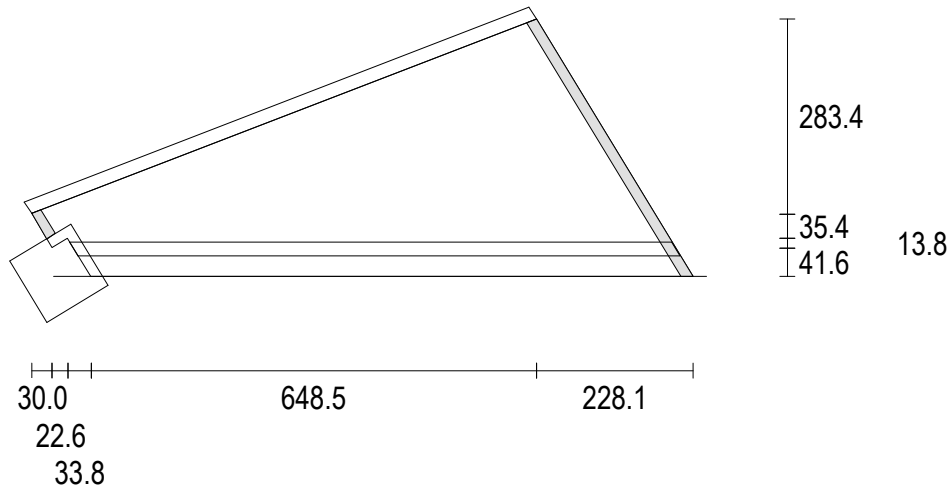
Width : 1039.2 Height : 194.6 Thickness : 20.0 Angle : -35.12



Step : 963.0 x 374.2

Riser

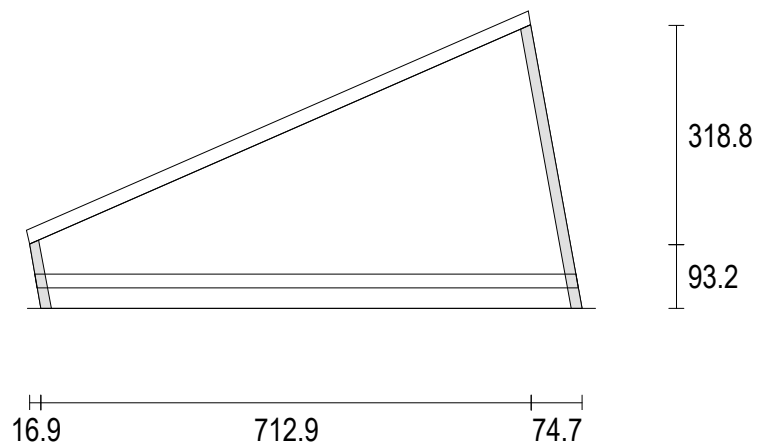
Width : 888.8 Height : 194.6 Thickness : 20.0 Angle : 31.37



Step : 804.5 x 412.0

Riser

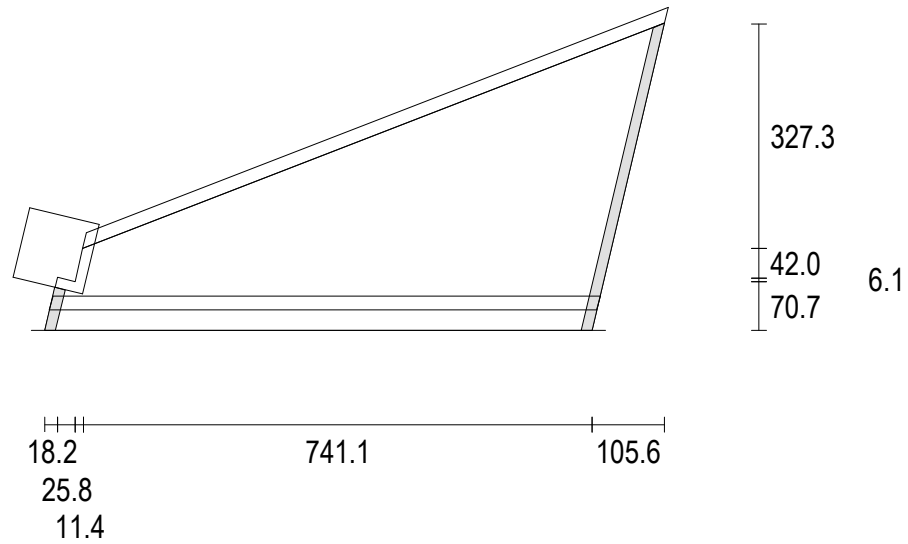
Width : 791.3 Height : 194.6 Thickness : 20.0 Angle : 10.28



Step : 902.1 x 446.1

Riser

Width : 801.2 Height : 194.6 Thickness : 20.0 Angle : -13.32



StairDesigner
Step : 7

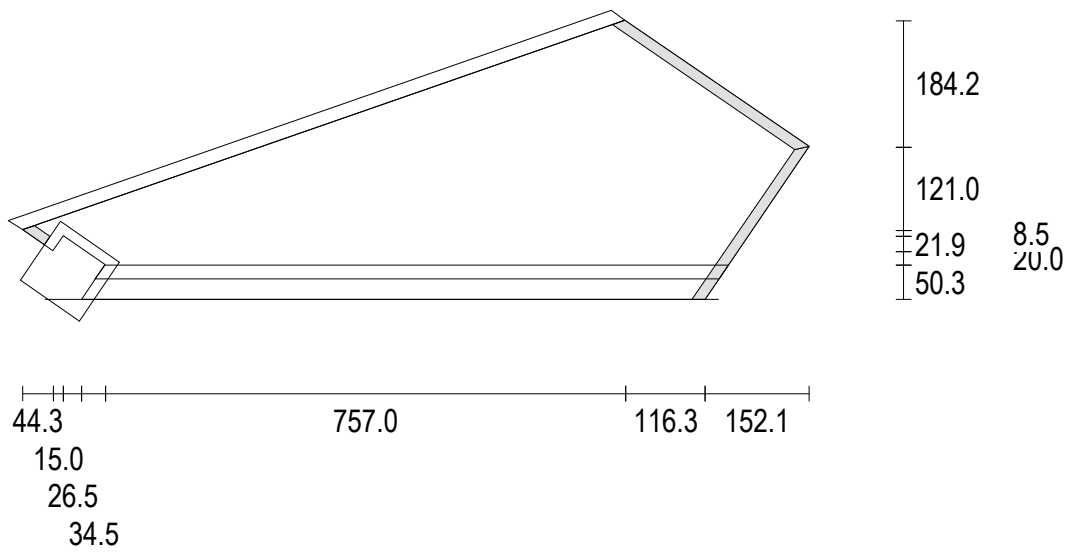
Jon Helgheim

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Scale : 1/11

Step : 1145.7 x 405.9

Riser

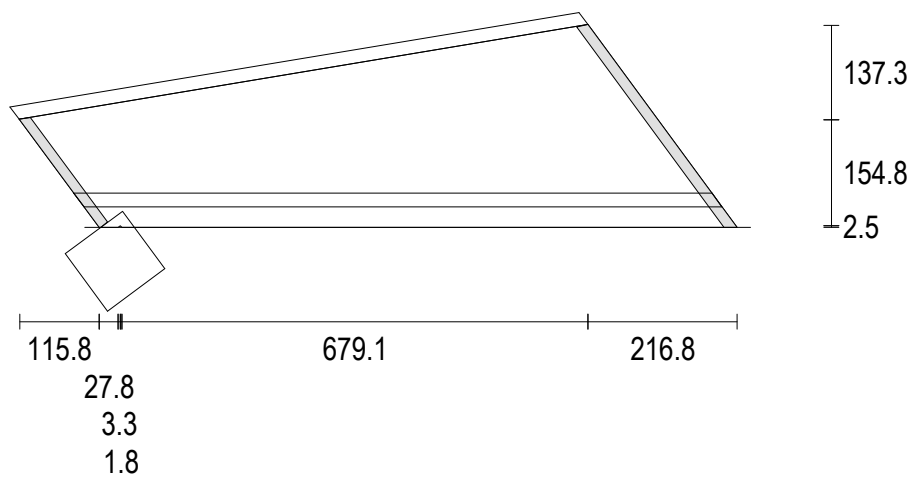
Width : 921.5 Height : 194.6 Thickness : 20.0 Angle : -34.46



Step : 1044.6 x 294.5

Riser

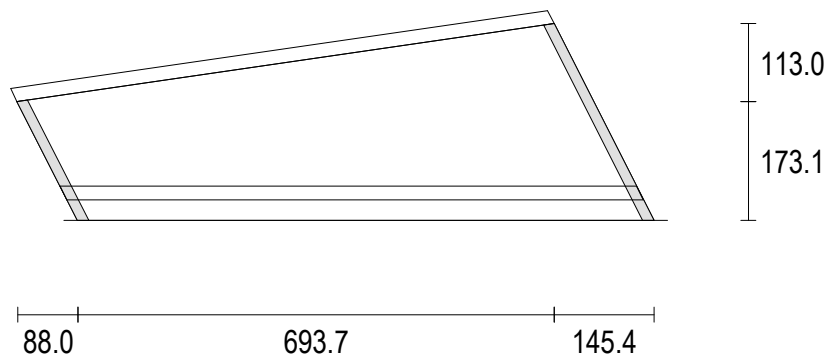
Width : 943.6 Height : 194.6 Thickness : 20.0 Angle : 36.36



Step : 927.1 x 286.1

Riser

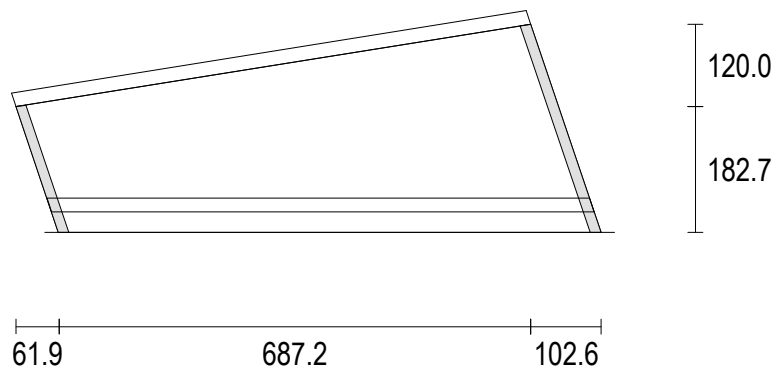
Width : 849.2 Height : 194.6 Thickness : 20.0 Angle : 26.94



Step : 851.7 x 302.8

Riser

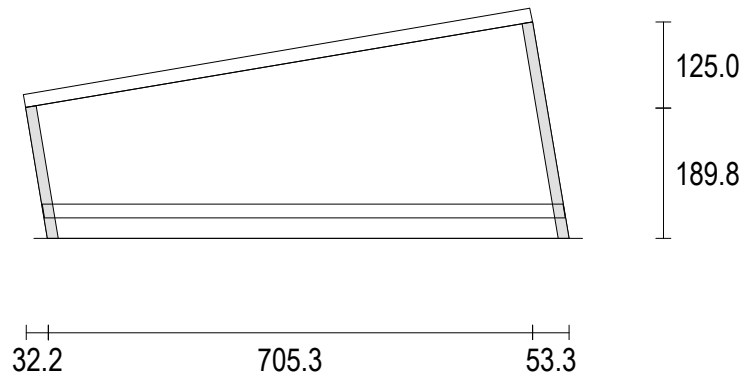
Width : 796.6 Height : 194.6 Thickness : 20.0 Angle : 18.72



Step : 790.8 x 314.8

Riser

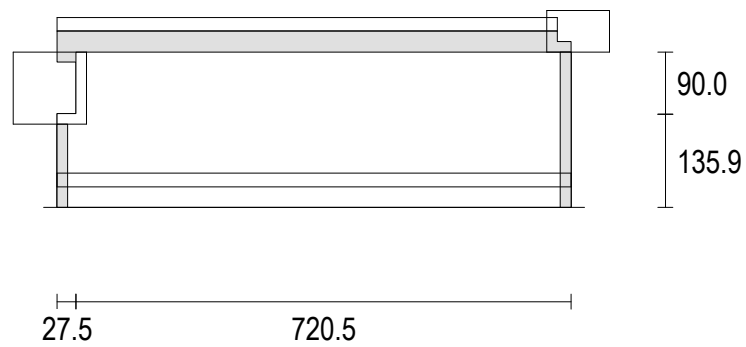
Width : 762.0 Height : 194.6 Thickness : 20.0 Angle : 9.62



Step : 748.0 x 225.9

Riser

Width : 748.0 Height : 194.6 Thickness : 20.0 Angle : 0.00



StairDesigner
Step : 13

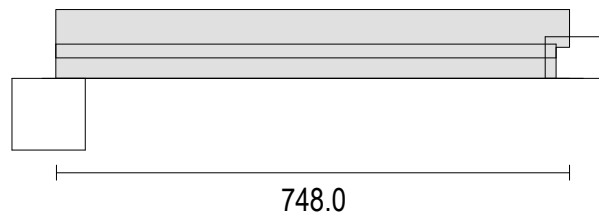
Jon Helgheim

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Scale : 1/11

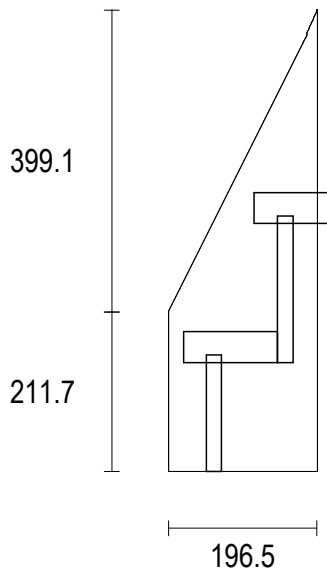
Landing Step

Riser

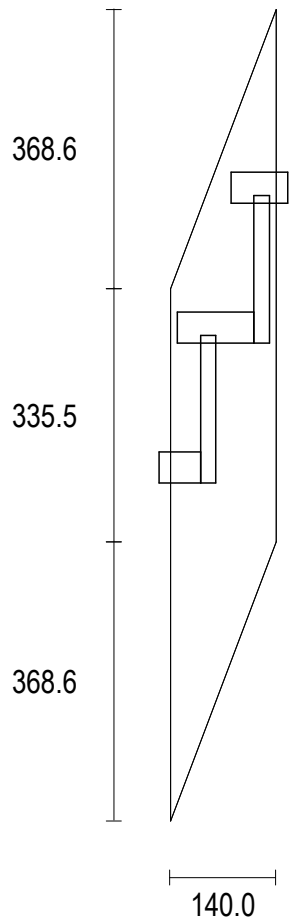
Width : 728.0 Height : 194.6 Thickness : 20.0 Angle : 0.00



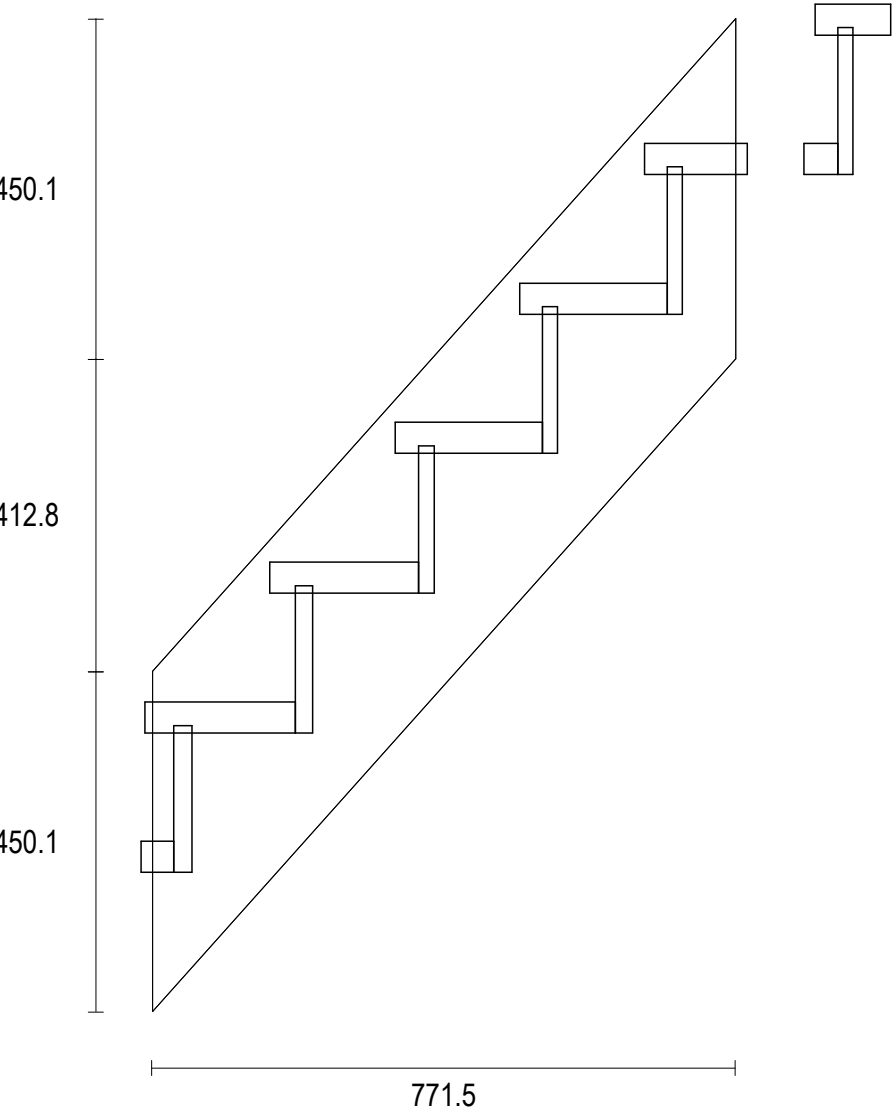
Dimensions : 610.8 x 196.5 (90.0°)



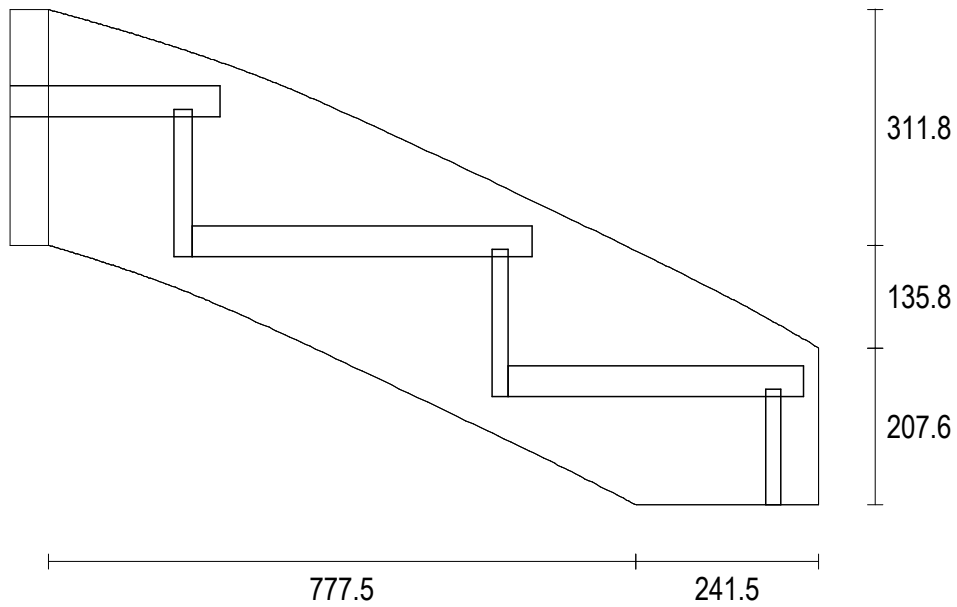
Dimensions : 1072.6 x 140.0 (90.0°)



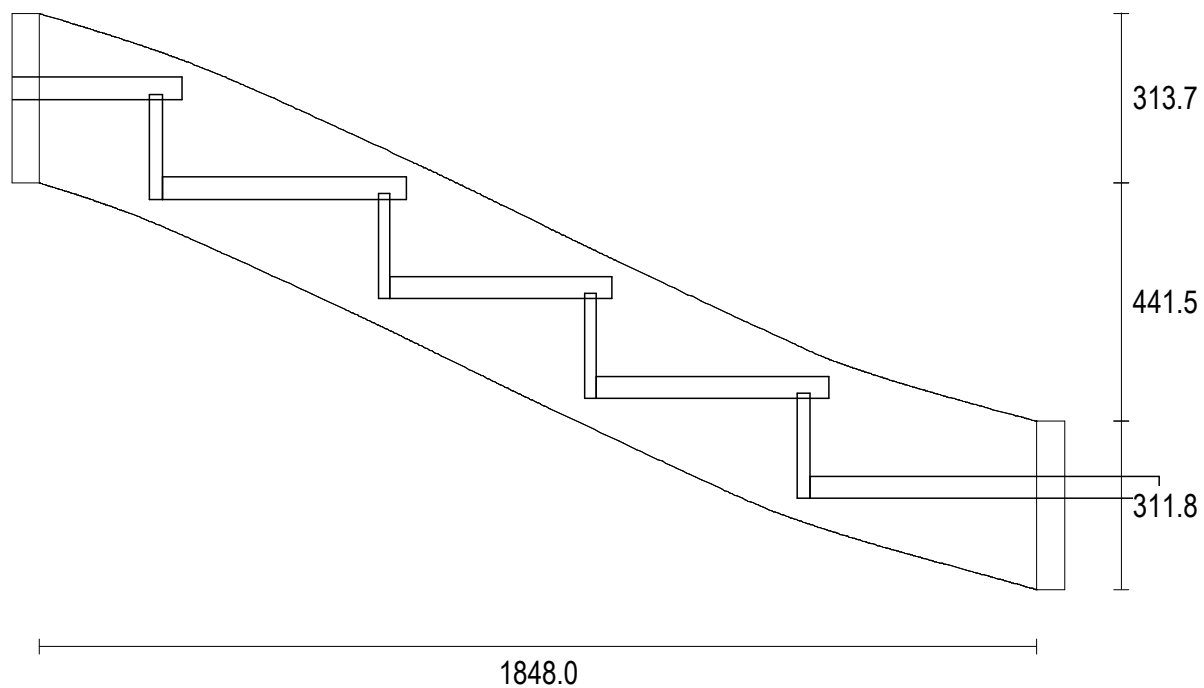
Dimensions : 1493.1 x 300.0 (48.2°)



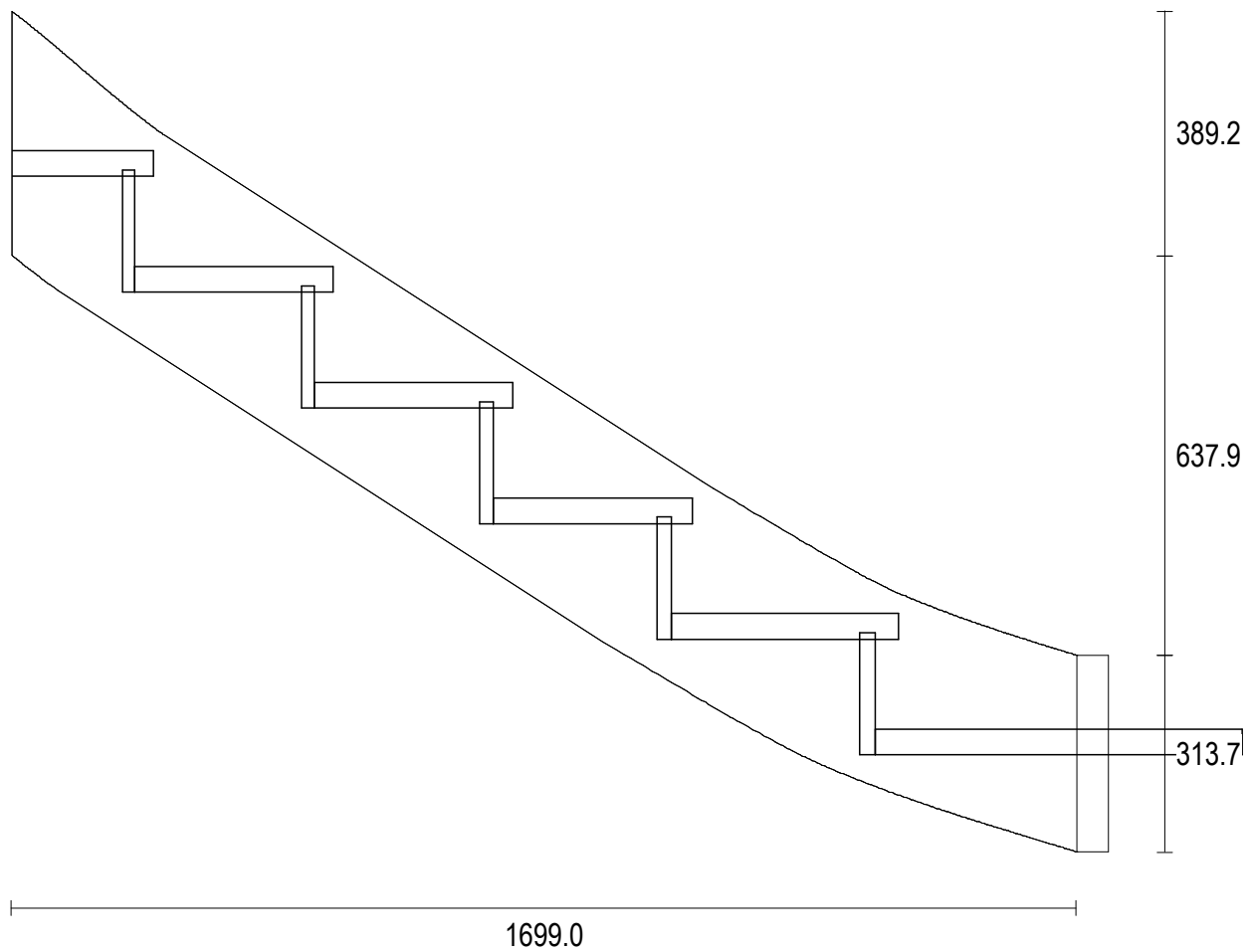
Dimensions : 1239.3 x 332.9 (22.5°)



Dimensions : 2209.0 x 359.0 (22.3°)



Dimensions : 2187.9 x 390.7 (30.4°)



StairDesigner
Newel Post : 1

Jon Helgheim

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Scale : 1/15

Corner Newel Post Left Stringboard Flight : 1-2

Top View

Height : 1848.2

Angle : 90.00

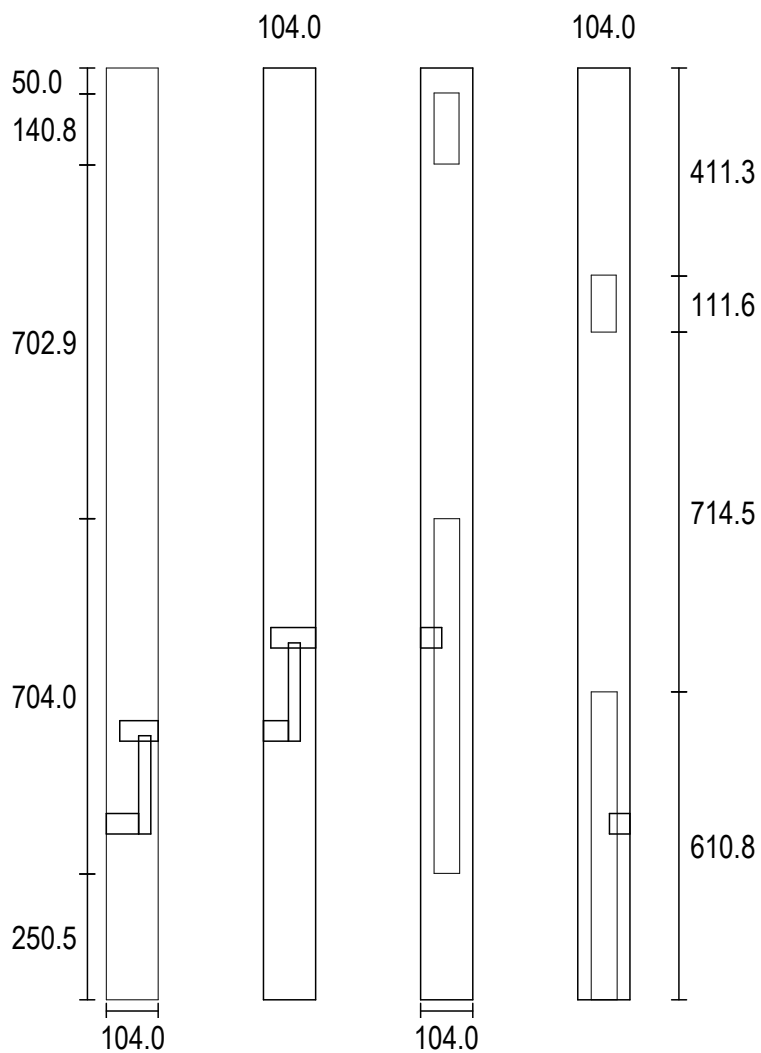
Step 2 Height : 369.2

Step 3 Height : 553.8

Step 4 Height : 738.5

Front 3 : Stringboard : 69.20 Handrail : 69.20

Front 4 : Stringboard : 0.00 / 68.21 Handrail : 63.39



Corner Newel Post Left Stringboard Flight : 2-3

Top View

Height : 1868.6

Angle : 90.00

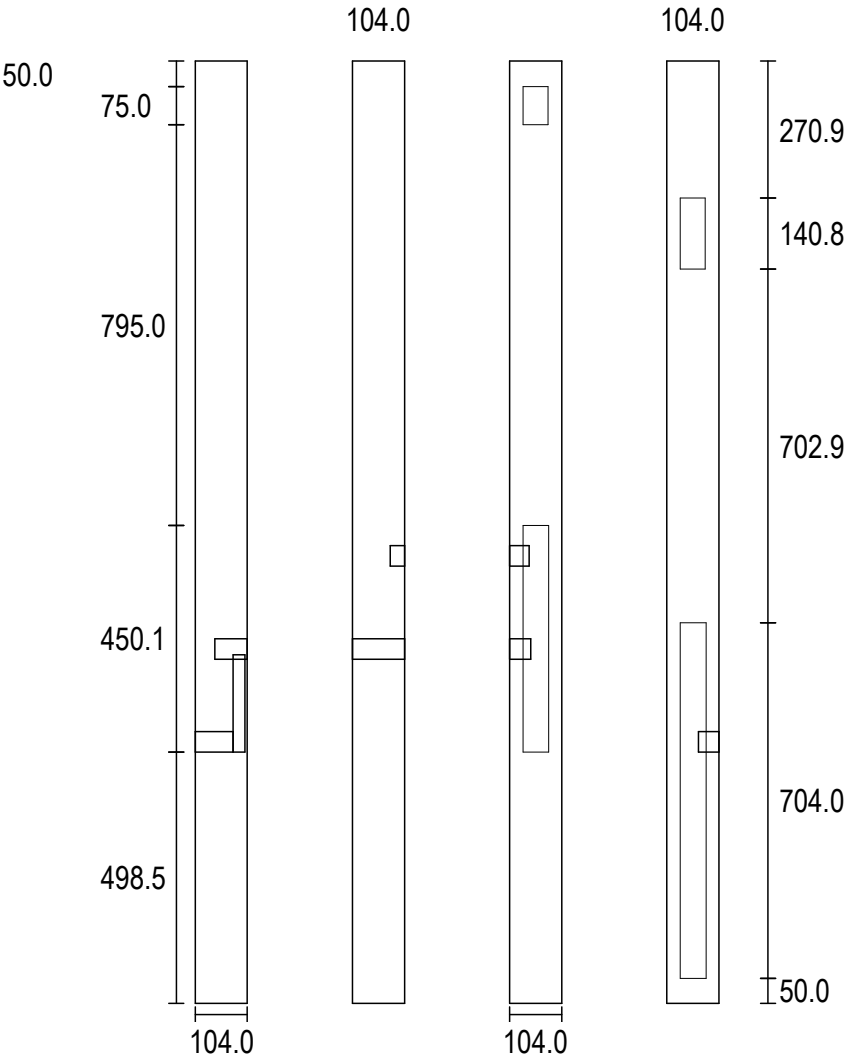
Step 6 Height : 538.6

Step 7 Height : 723.2

Step 8 Height : 907.9

Front 3 : Stringboard : 48.20 Handrail : 48.20

Front 4 : Stringboard : 69.20 Handrail : 69.20



StairDesigner
Newel Post : 3

Jon Helgheim

helgheim01v04
Scale : 1/15

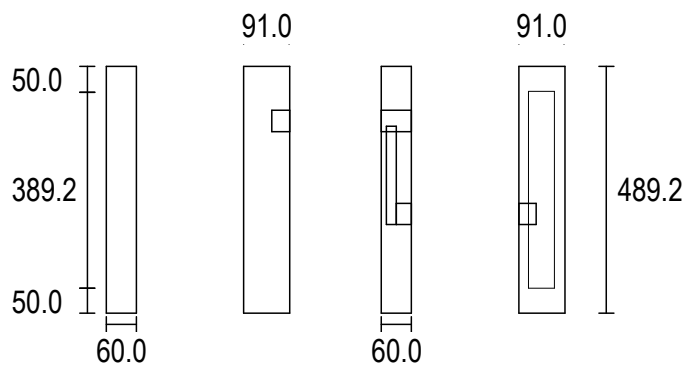
Extremity Newel Post Right Stringboard Flight : 3

Top View

Height : 489.2

Step 12 Height : 217.1

Step 13 Height : 401.7



Extremity Newel Post Left Stringboard Flight : 3

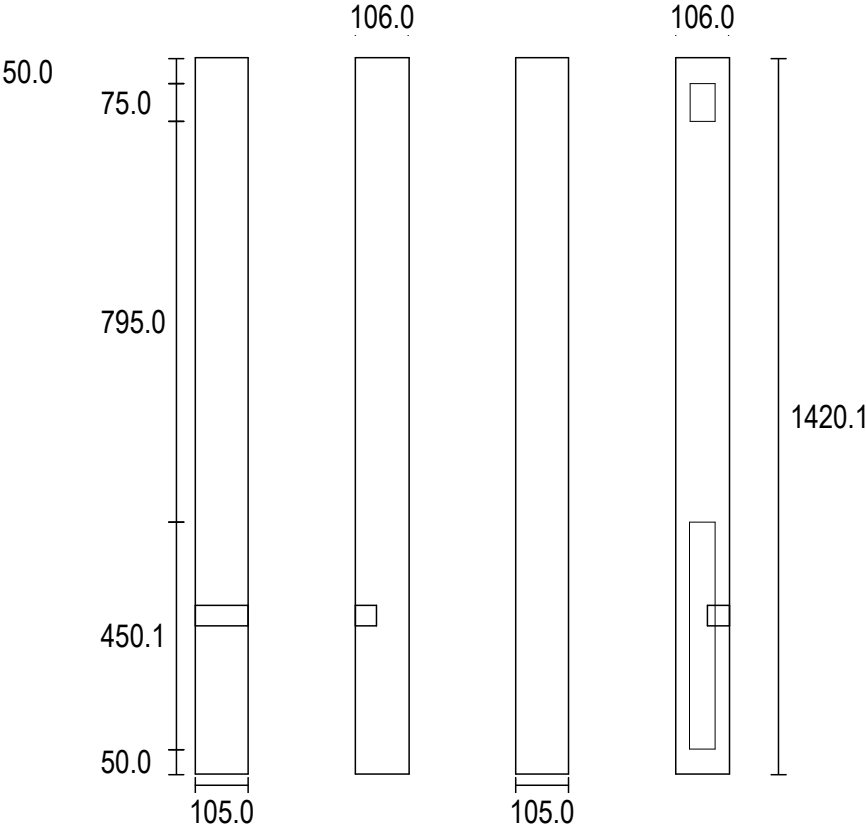
Top View

Height : 1420.1

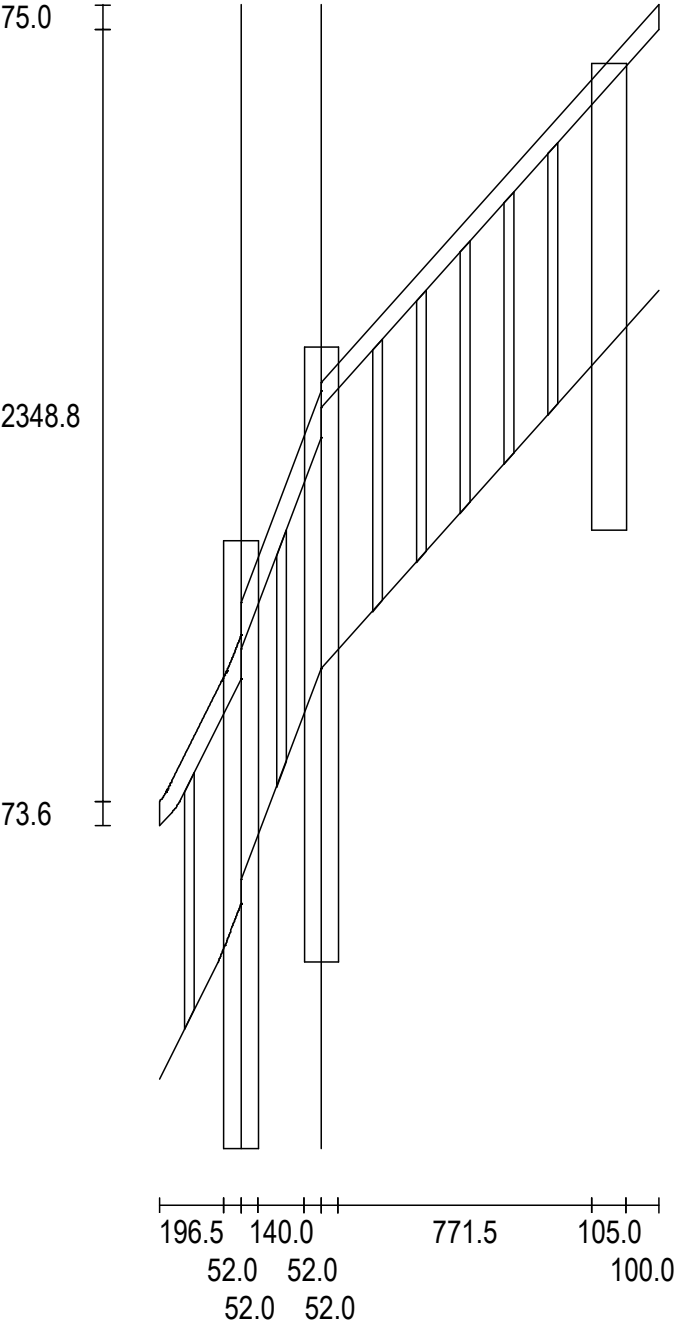
Step 12 Height : 334.9

Step 13 Height : 519.5

Front 4 : Stringboard : 48.20 Handrail : 48.20



Dimensions : 2924.0 x 306.1 (58.1°)



StairDesigner
Banister : 1-3

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Banister : 1

Flight : 1

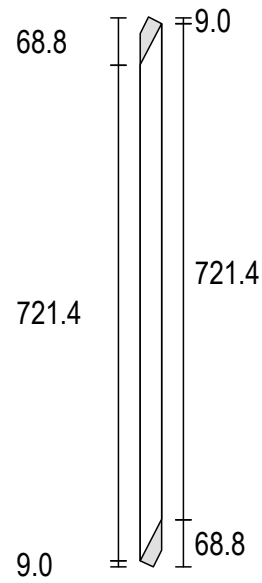
Position : 90.8

Height from Ground Level : 362.8

Angle : 63.39

Height : 799.2

Shaft Diameter : 30.0



Banister : 2

Flight : 2

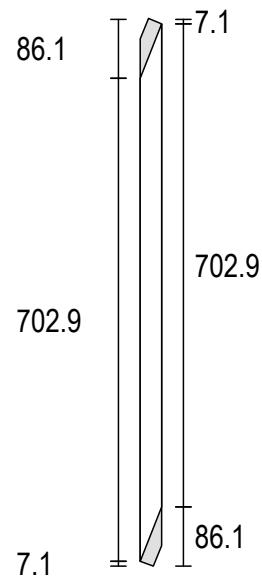
Position : 122.0

Height from Ground Level : 1099.3

Angle : 69.20

Height : 796.1

Shaft Diameter : 30.0



Banister : 3

Flight : 3

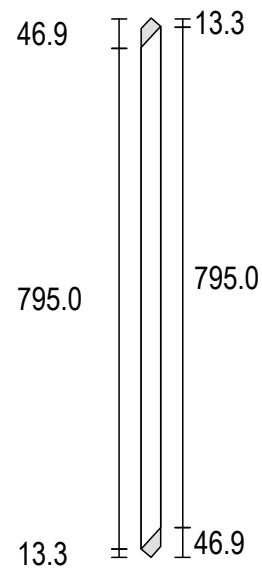
Position : 170.6

Height from Ground Level : 1633.5

Angle : 48.20

Height : 855.2

Shaft Diameter : 30.0



StairDesigner
Banister : 4-6

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Banister : 4

Flight : 3

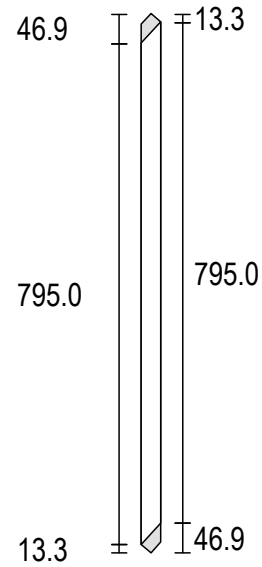
Position : 304.2

Height from Ground Level : 1782.9

Angle : 48.20

Height : 855.2

Shaft Diameter : 30.0



Banister : 5

Flight : 3

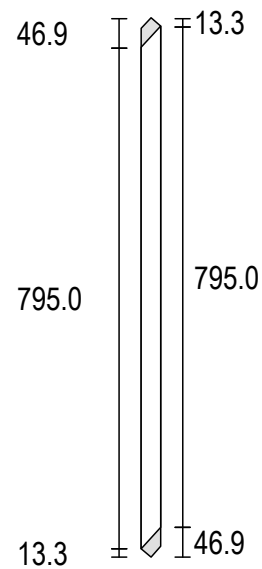
Position : 437.8

Height from Ground Level : 1932.3

Angle : 48.20

Height : 855.2

Shaft Diameter : 30.0



Banister : 6

Flight : 3

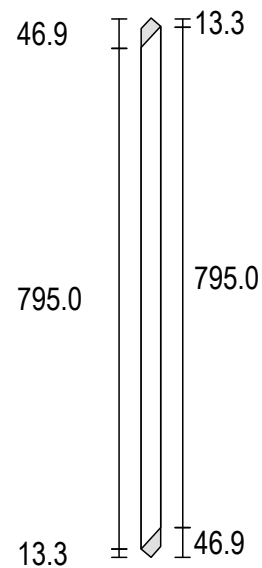
Position : 571.3

Height from Ground Level : 2081.8

Angle : 48.20

Height : 855.2

Shaft Diameter : 30.0



StairDesigner
Banister : 7

Jon Helgheim

helgheim01v04

Banister : 7

Flight : 3

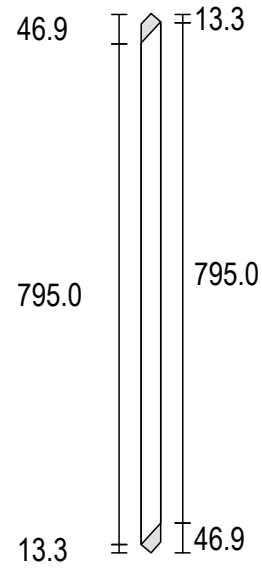
Position : 704.9

Height from Ground Level : 2231.2

Angle : 48.20

Height : 855.2

Shaft Diameter : 30.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	865.0 x 395.5 x 41.0	0.0140 m ³	0.0091 m ³
Step 2	1046.7 x 433.9 x 41.0	0.0186 m ³	0.0102 m ³
Step 3	1158.1 x 434.4 x 41.0	0.0206 m ³	0.0124 m ³
Step 4	963.0 x 374.2 x 41.0	0.0148 m ³	0.0086 m ³
Step 5	804.5 x 412.0 x 41.0	0.0136 m ³	0.0082 m ³
Step 6	902.1 x 446.1 x 41.0	0.0165 m ³	0.0090 m ³
Step 7	1145.7 x 405.9 x 41.0	0.0191 m ³	0.0115 m ³
Step 8	1044.6 x 294.5 x 41.0	0.0126 m ³	0.0086 m ³
Step 9	927.1 x 286.1 x 41.0	0.0109 m ³	0.0079 m ³
Step 10	851.7 x 302.8 x 41.0	0.0106 m ³	0.0079 m ³
Step 11	790.8 x 314.8 x 41.0	0.0102 m ³	0.0078 m ³
Step 12	748.0 x 225.9 x 41.0	0.0069 m ³	0.0068 m ³
Riser 1	865.0 x 153.6 x 20.0	0.0027 m ³	0.0027 m ³
Riser 2	914.5 x 194.6 x 20.0	0.0036 m ³	0.0035 m ³
Riser 3	1039.2 x 194.6 x 20.0	0.0040 m ³	0.0040 m ³
Riser 4	888.8 x 194.6 x 20.0	0.0035 m ³	0.0034 m ³
Riser 5	791.3 x 194.6 x 20.0	0.0031 m ³	0.0031 m ³
Riser 6	801.2 x 194.6 x 20.0	0.0031 m ³	0.0031 m ³
Riser 7	921.5 x 194.6 x 20.0	0.0036 m ³	0.0035 m ³
Riser 8	943.6 x 194.6 x 20.0	0.0037 m ³	0.0036 m ³
Riser 9	849.2 x 194.6 x 20.0	0.0033 m ³	0.0033 m ³
Riser 10	796.6 x 194.6 x 20.0	0.0031 m ³	0.0031 m ³
Riser 11	762.0 x 194.6 x 20.0	0.0030 m ³	0.0030 m ³
Riser 12	748.0 x 194.6 x 20.0	0.0029 m ³	0.0029 m ³
Riser 13	728.0 x 194.6 x 20.0	0.0028 m ³	0.0028 m ³
Right Stringboard 1	1239.3 x 332.9 x 51.0	0.0210 m ³	0.0167 m ³
Right Stringboard 2	2209.0 x 359.0 x 51.0	0.0404 m ³	0.0314 m ³
Right Stringboard 3	2187.9 x 390.7 x 51.0	0.0436 m ³	0.0307 m ³
Left Stringboard 1	610.8 x 196.5 x 51.0	0.0061 m ³	0.0041 m ³
Left Stringboard 2	1072.6 x 140.0 x 51.0	0.0077 m ³	0.0050 m ³
Left Stringboard 3	1493.1 x 300.0 x 51.0	0.0228 m ³	0.0177 m ³
Left Handrail 1	493.9 x 54.7 x 50.0	0.0014 m ³	0.0010 m ³
Left Handrail 2	525.9 x 50.0 x 50.0	0.0013 m ³	0.0010 m ³
Left Handrail 3	1213.5 x 50.0 x 50.0	0.0030 m ³	0.0029 m ³
Newel Post 1	104.0 x 104.0 x 1848.2	0.0200 m ³	0.0200 m ³
Newel Post 2	104.0 x 104.0 x 1868.6	0.0202 m ³	0.0202 m ³
Newel Post 3	91.0 x 60.0 x 489.2	0.0027 m ³	0.0027 m ³
Newel Post 4	106.0 x 105.0 x 1420.1	0.0158 m ³	0.0158 m ³
Banister 1	30.1 x 30.0 x 799.2	0.0007 m ³	0.0006 m ³
Banister 2	30.1 x 30.0 x 796.1	0.0007 m ³	0.0006 m ³
Banister 3	30.1 x 30.0 x 855.2	0.0008 m ³	0.0006 m ³
Banister 4	30.1 x 30.0 x 855.2	0.0008 m ³	0.0006 m ³
Banister 5	30.1 x 30.0 x 855.2	0.0008 m ³	0.0006 m ³
Banister 6	30.1 x 30.0 x 855.2	0.0008 m ³	0.0006 m ³
Banister 7	30.1 x 30.0 x 855.2	0.0008 m ³	0.0006 m ³

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.1684 m ³	0.1081 m ³		
Risers	0.0423 m ³	0.0419 m ³		
Stringboards	0.1417 m ³	0.1056 m ³		
Handrails	0.0057 m ³	0.0049 m ³		
Newel Posts	0.0587 m ³	0.0587 m ³		
Banisters	0.0053 m ³	0.0041 m ³		
Total	0.4221 m³	0.3234 m³		