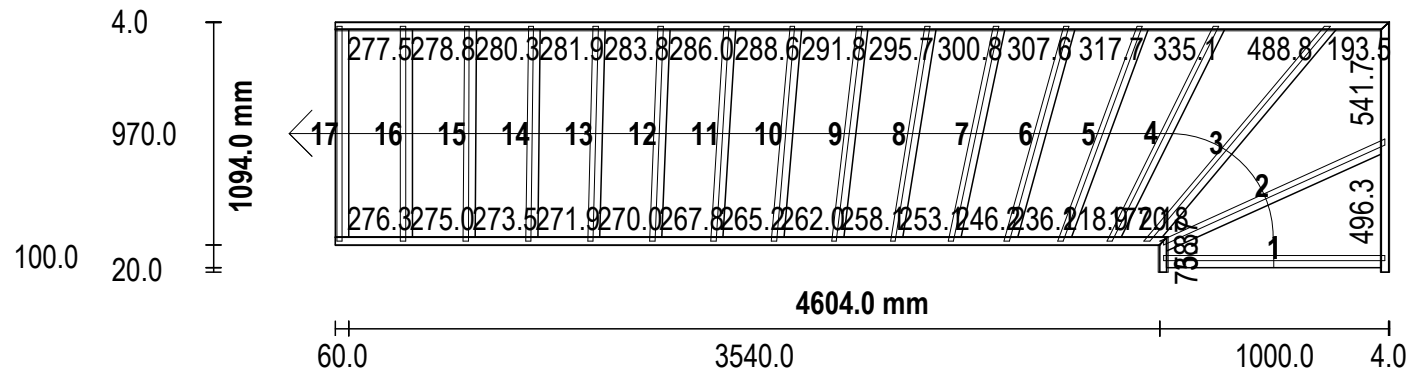


StairDesigner

SW

trap
Scale : 1/33

Multi-Flight Stair		Riser Height	: 177.6 mm
Risers	: 17	Tread Width	: 276.9 mm
Floor Height	: 3020.0 mm	Stair Rule	: 632.1 mm



StairDesigner
Step : 1

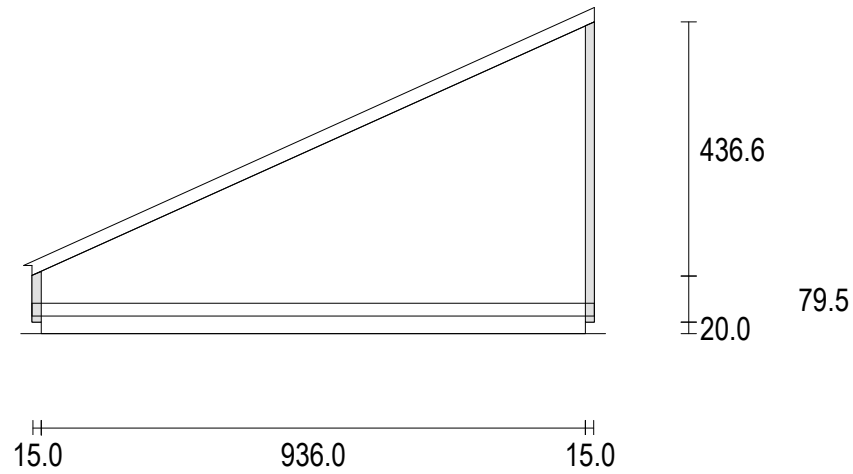
SW

trap
Scale : 1/13

Step : 966.0 x 536.0

Riser

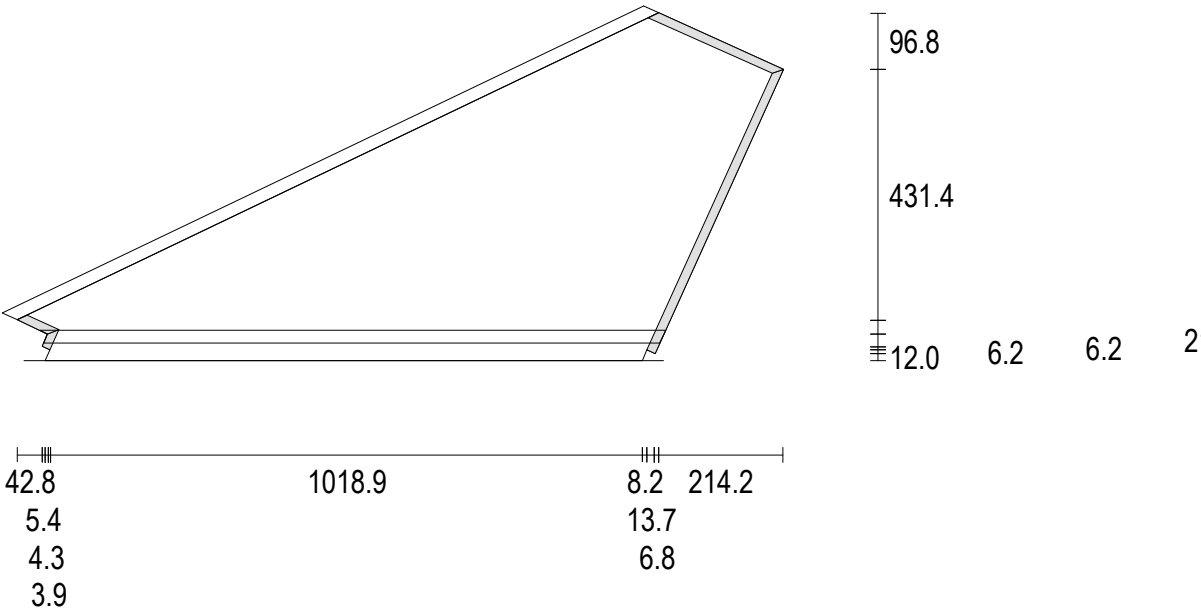
Width : 966.0 Height : 147.6 Thickness : 22.0 Angle : 0.00



Step : 1318.3 x 597.9

Riser

Width : 1076.1 Height : 187.6 Thickness : 22.0 Angle : -24.32



StairDesigner
Step : 3

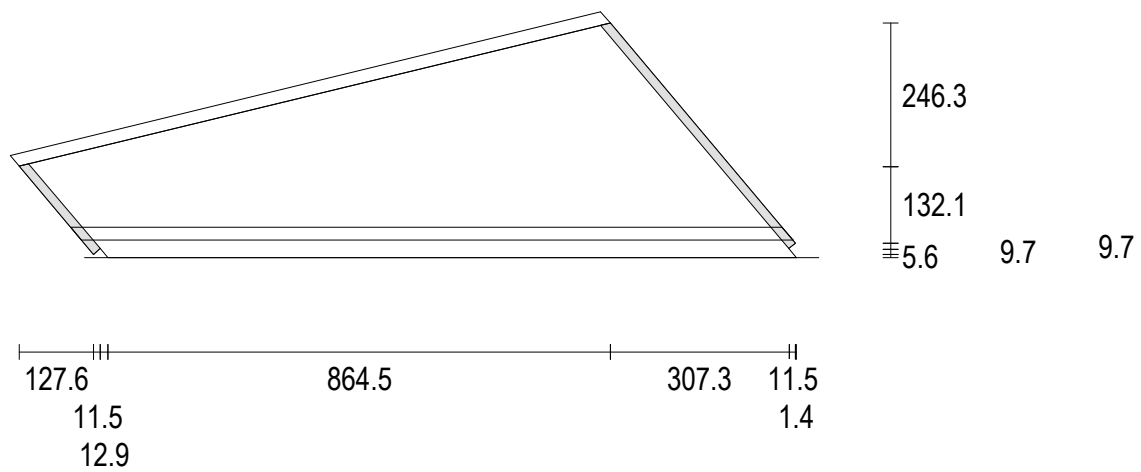
SW

trap
Scale : 1/13

Step : 1336.7 x 403.4

Riser

Width : 1242.5 Height : 187.6 Thickness : 22.0 Angle : 40.11



StairDesigner
Step : 4

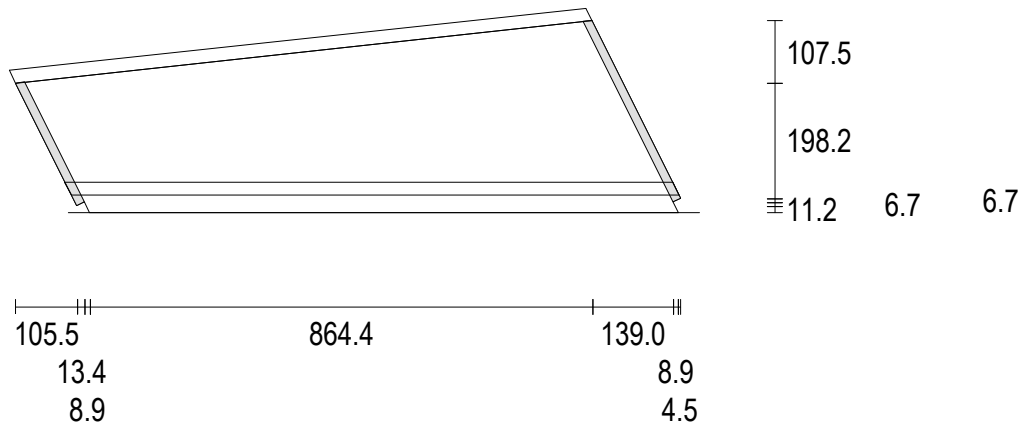
SW

trap
Scale : 1/13

Step : 1144.6 x 330.3

Riser

Width : 1056.8 Height : 187.6 Thickness : 22.0 Angle : 26.50



StairDesigner
Step : 5

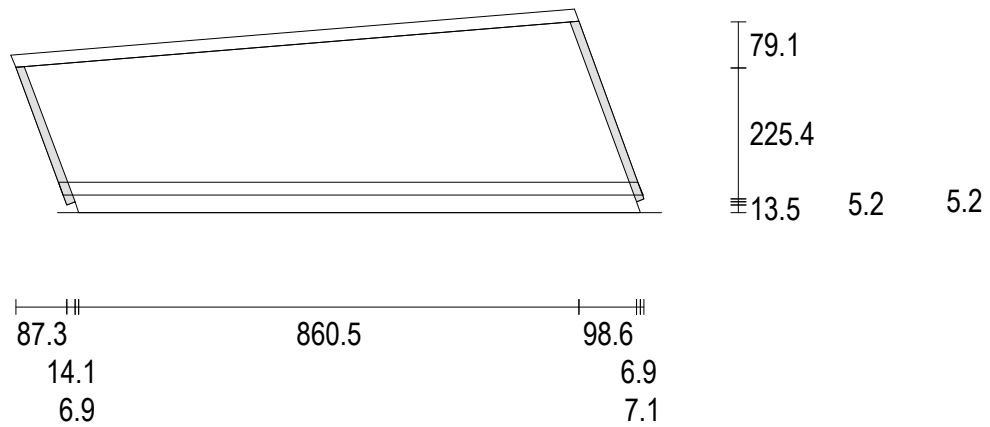
SW

trap
Scale : 1/13

Step : 1081.5 x 328.4

Riser

Width : 1006.2 Height : 187.6 Thickness : 22.0 Angle : 20.31



StairDesigner
Step : 6

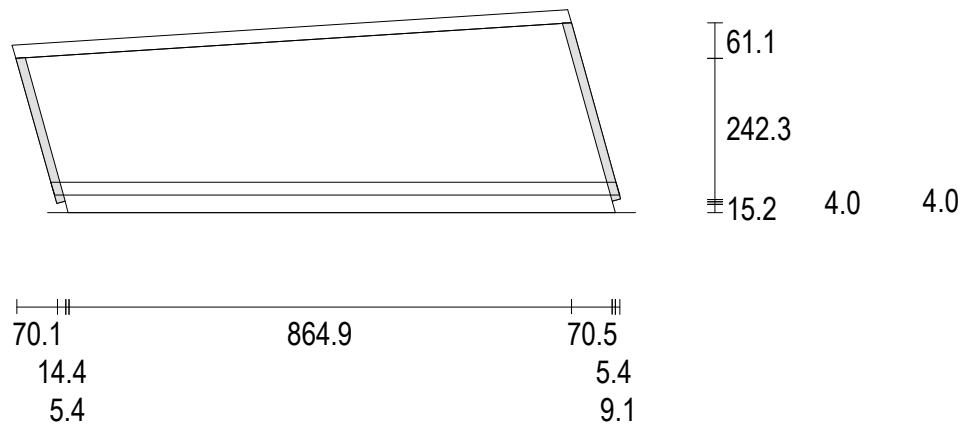
SW

trap
Scale : 1/13

Step : 1039.9 x 326.7

Riser

Width : 978.2 Height : 187.6 Thickness : 22.0 Angle : 15.65



StairDesigner
Step : 7

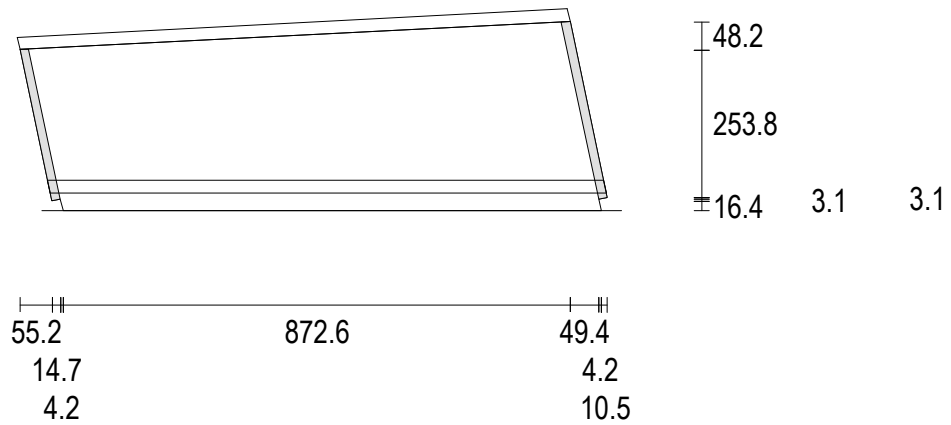
SW

trap
Scale : 1/13

Step : 1010.7 x 324.7

Riser

Width : 961.5 Height : 187.6 Thickness : 22.0 Angle : 11.99



StairDesigner
Step : 8

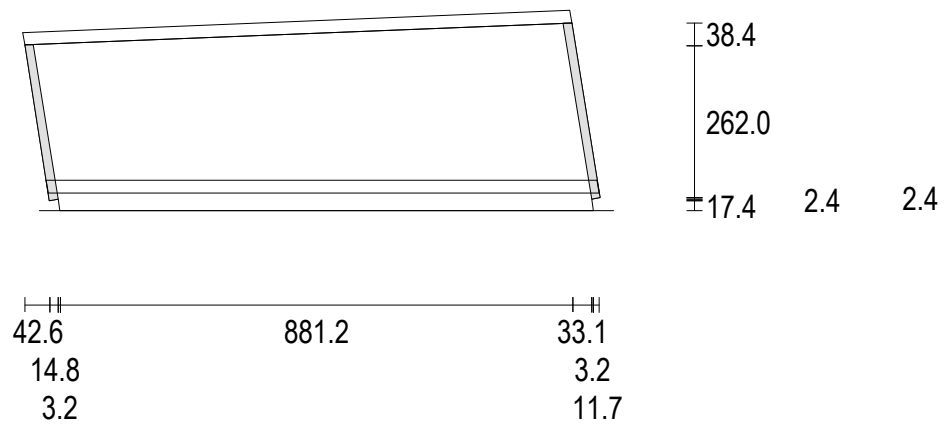
SW

trap
Scale : 1/13

Step : 989.7 x 322.5

Riser

Width : 951.4 Height : 187.6 Thickness : 22.0 Angle : 9.07



StairDesigner
Step : 9

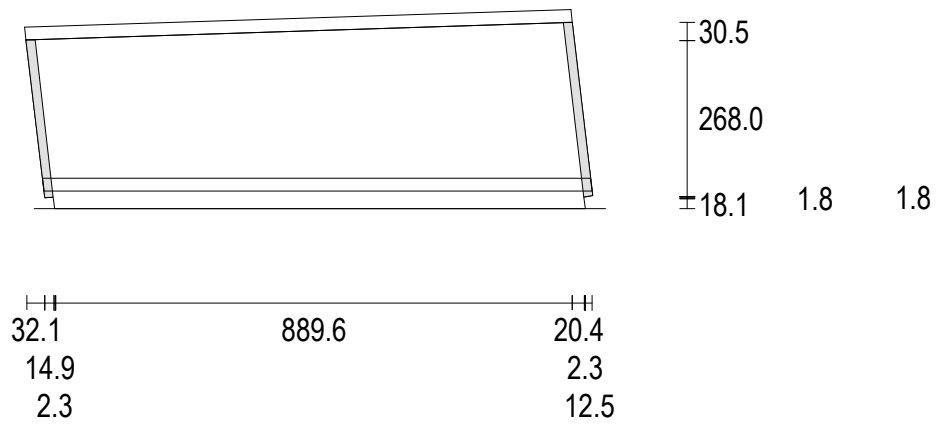
SW

trap
Scale : 1/13

Step : 974.2 x 320.2

Riser

Width : 945.1 Height : 187.6 Thickness : 22.0 Angle : 6.74



StairDesigner
Step : 10

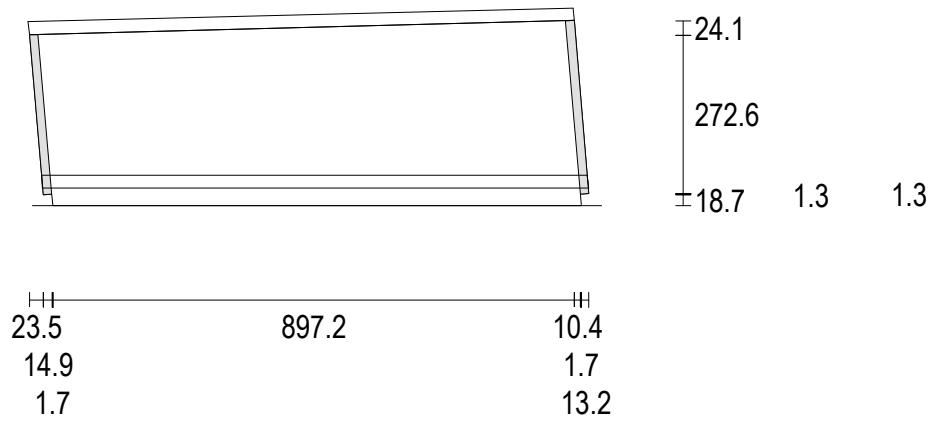
SW

trap
Scale : 1/13

Step : 962.7 x 317.9

Riser

Width : 941.3 Height : 187.6 Thickness : 22.0 Angle : 4.88



StairDesigner
Step : 11

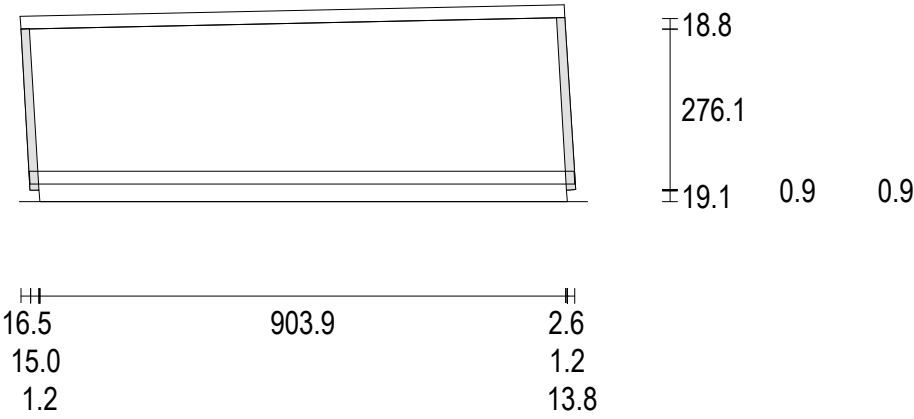
SW

trap
Scale : 1/13

Step : 954.1 x 315.8

Riser

Width : 939.0 Height : 187.6 Thickness : 22.0 Angle : 3.40



StairDesigner
Step : 12

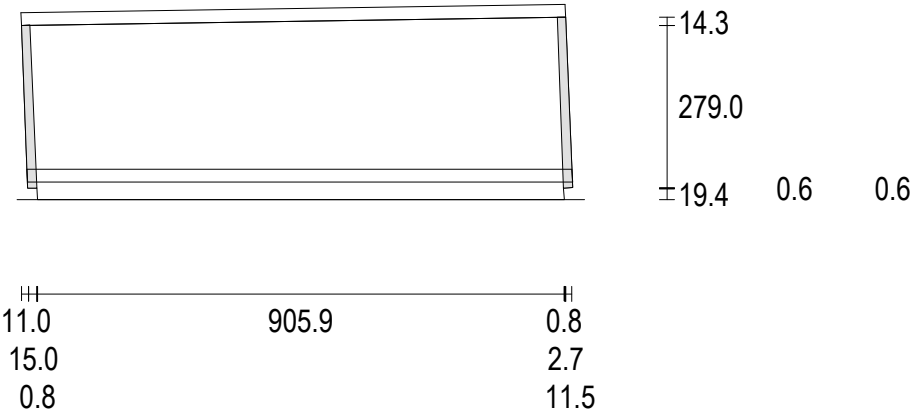
SW

trap
Scale : 1/13

Step : 947.7 x 313.8

Riser

Width : 937.6 Height : 187.6 Thickness : 22.0 Angle : 2.25



Riser

Technical drawing of a rectangular object with dimensions:

- Length (top edge): 905.8
- Width (right edge): 281.3
- Height (left edge): 19.6
- Bottom edge offsets: 6.8, 15.0, 0.5
- Right edge offsets: 0.5, 7.5, 7.0

StairDesigner
Step : 14

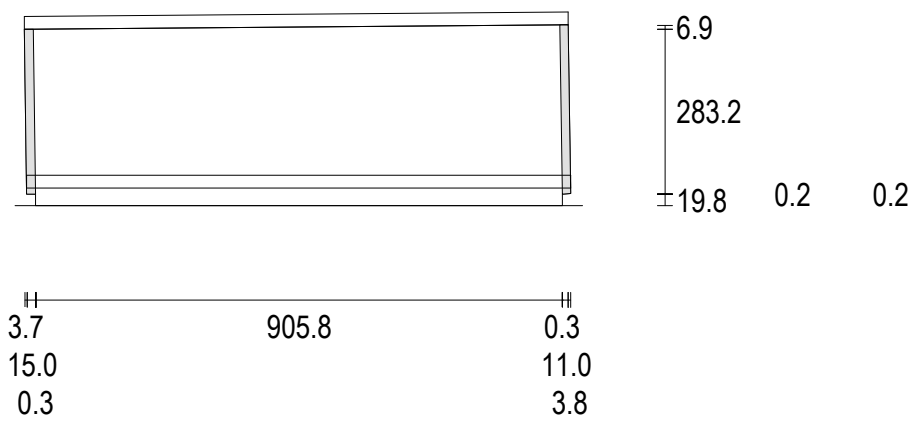
SW

trap
Scale : 1/13

Step : 939.7 x 310.4

Riser

Width : 936.4 Height : 187.6 Thickness : 22.0 Angle : 0.74



StairDesigner
Step : 15

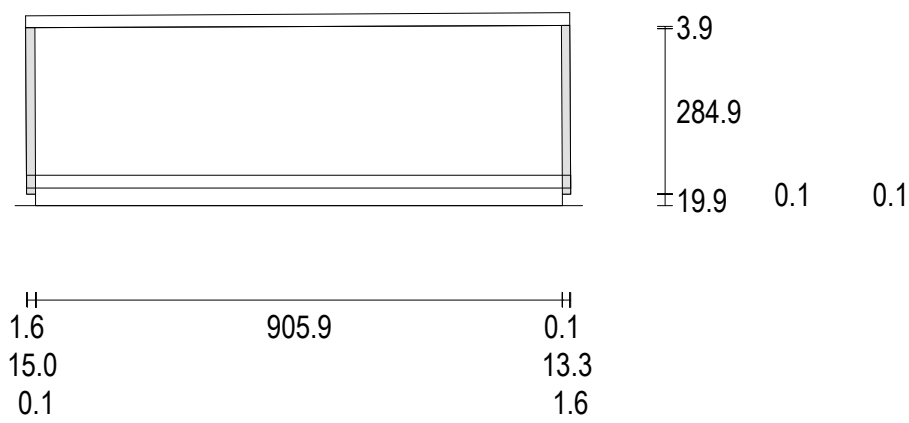
SW

trap
Scale : 1/13

Step : 937.6 x 308.9

Riser

Width : 936.1 Height : 187.6 Thickness : 22.0 Angle : 0.32



StairDesigner
Step : 16

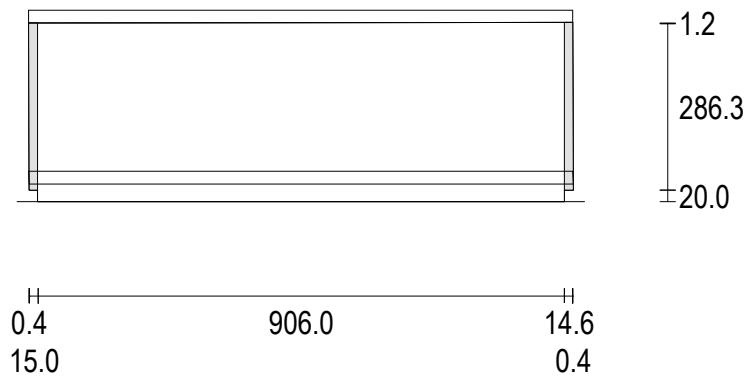
SW

trap
Scale : 1/13

Step : 936.4 x 307.5

Riser

Width : 936.0 Height : 187.6 Thickness : 22.0 Angle : 0.08



StairDesigner
Step : 17

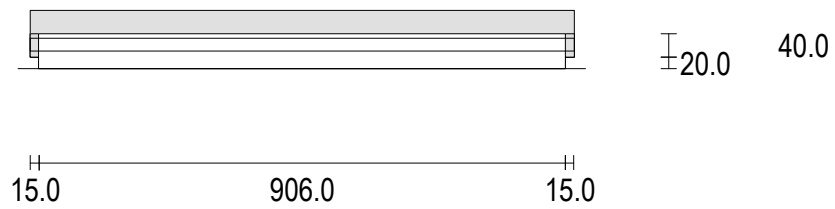
SW

trap
Scale : 1/13

Landing Step

Riser

Width : 936.0 Height : 187.6 Thickness : 22.0 Angle : -0.00

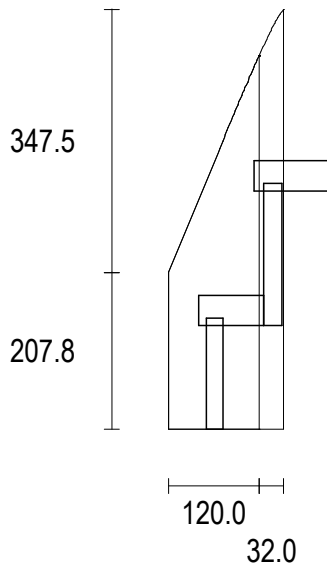


StairDesigner
Left Stringboard : 1

SW

trap
Scale : 1/10

Dimensions : 555.3 x 152.0 (90.0°)

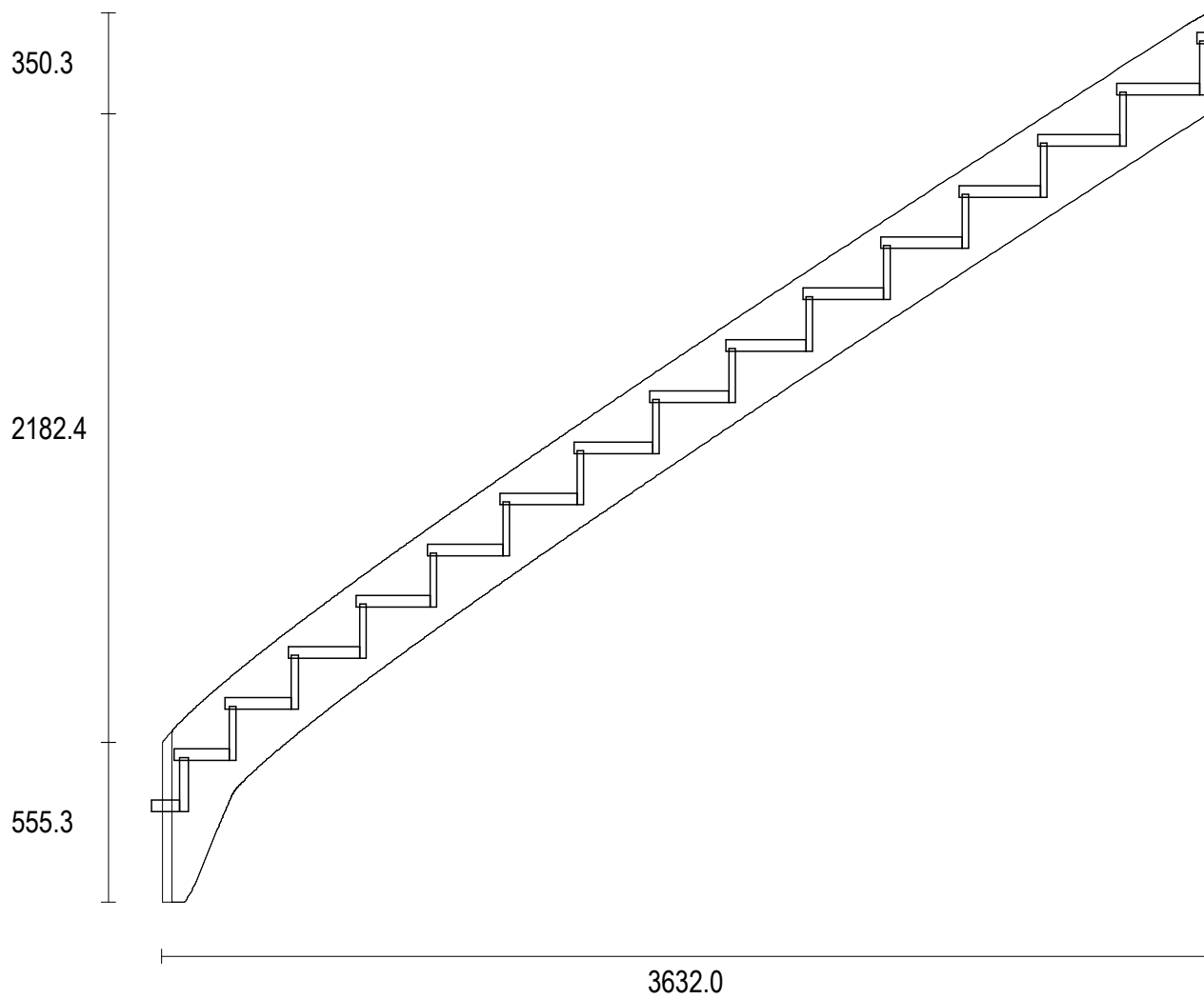


StairDesigner
Left Stringboard : 2

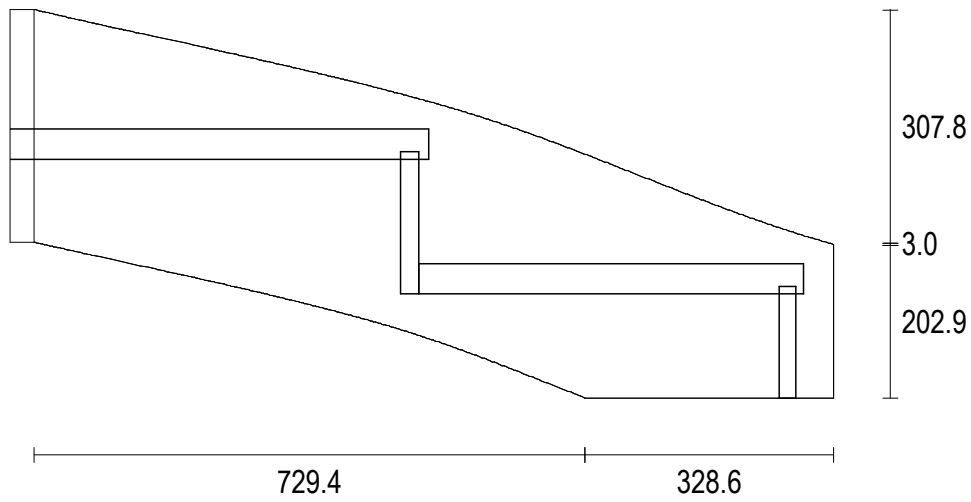
SW

trap
Scale : 1/25

Dimensions : 4761.7 x 526.1 (37.6°)



Dimensions : 1186.3 x 324.4 (15.1°)

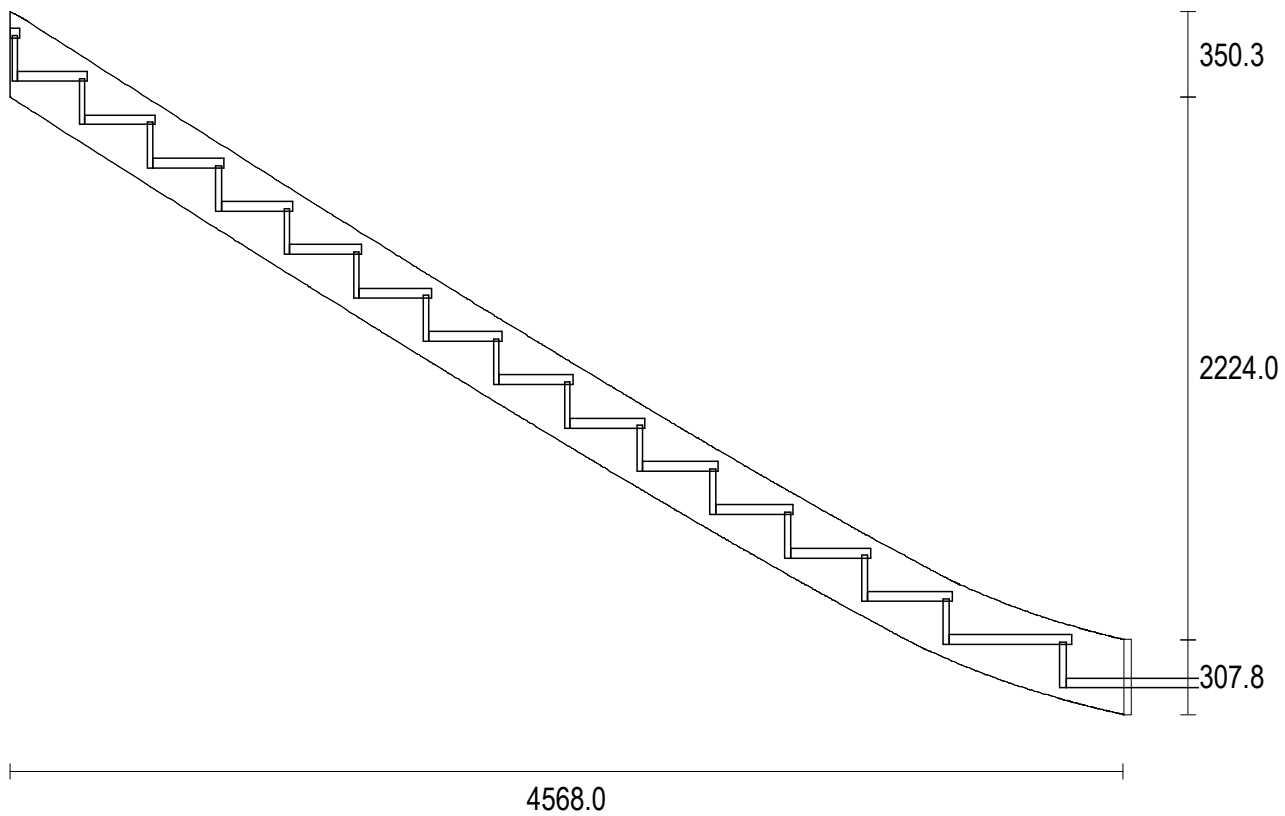


StairDesigner
Right Stringboard : 2

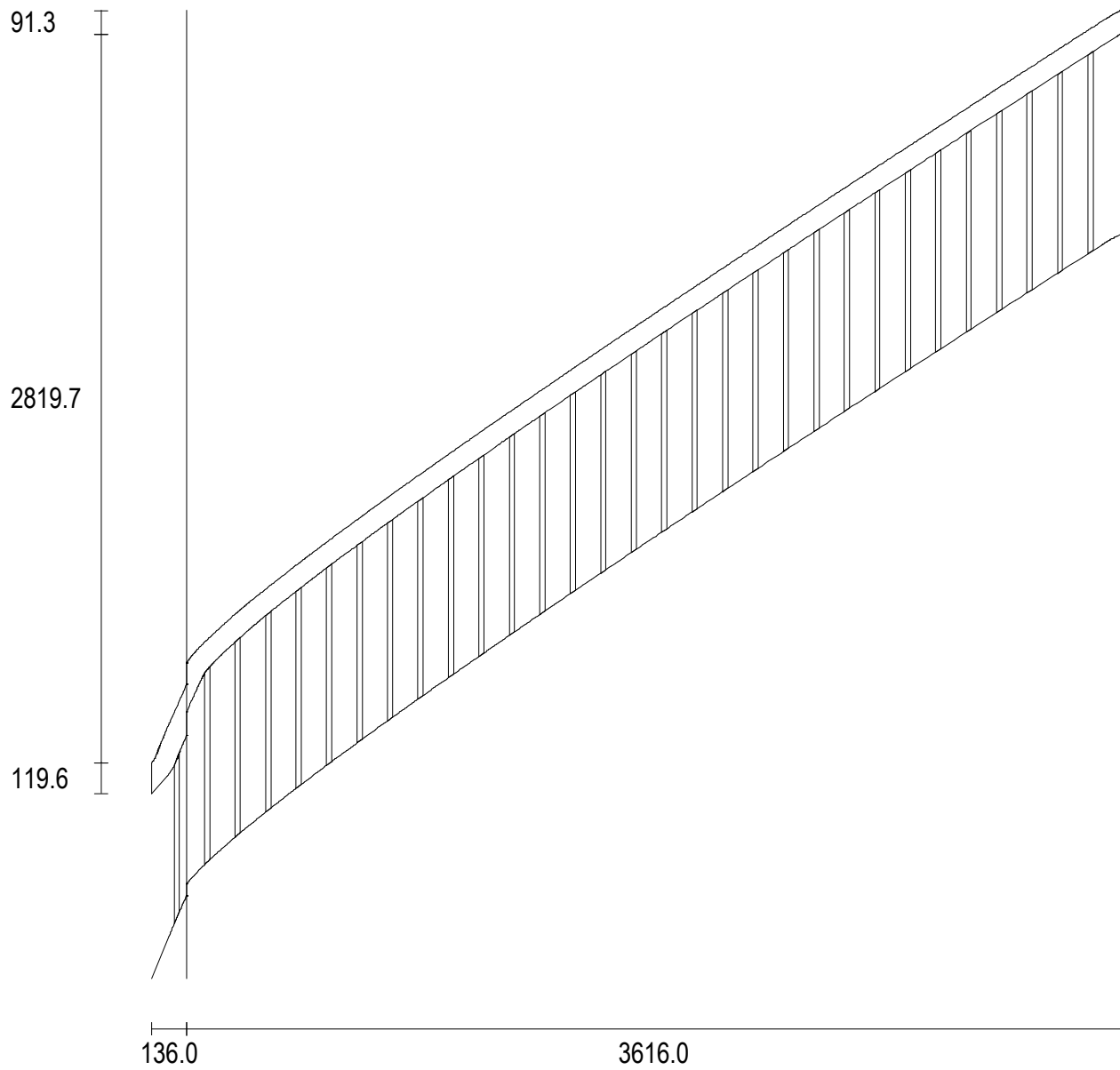
SW

trap
Scale : 1/31

Dimensions : 5421.7 x 456.9 (29.2°)



Dimensions : 4822.5 x 350.5 (38.1°)

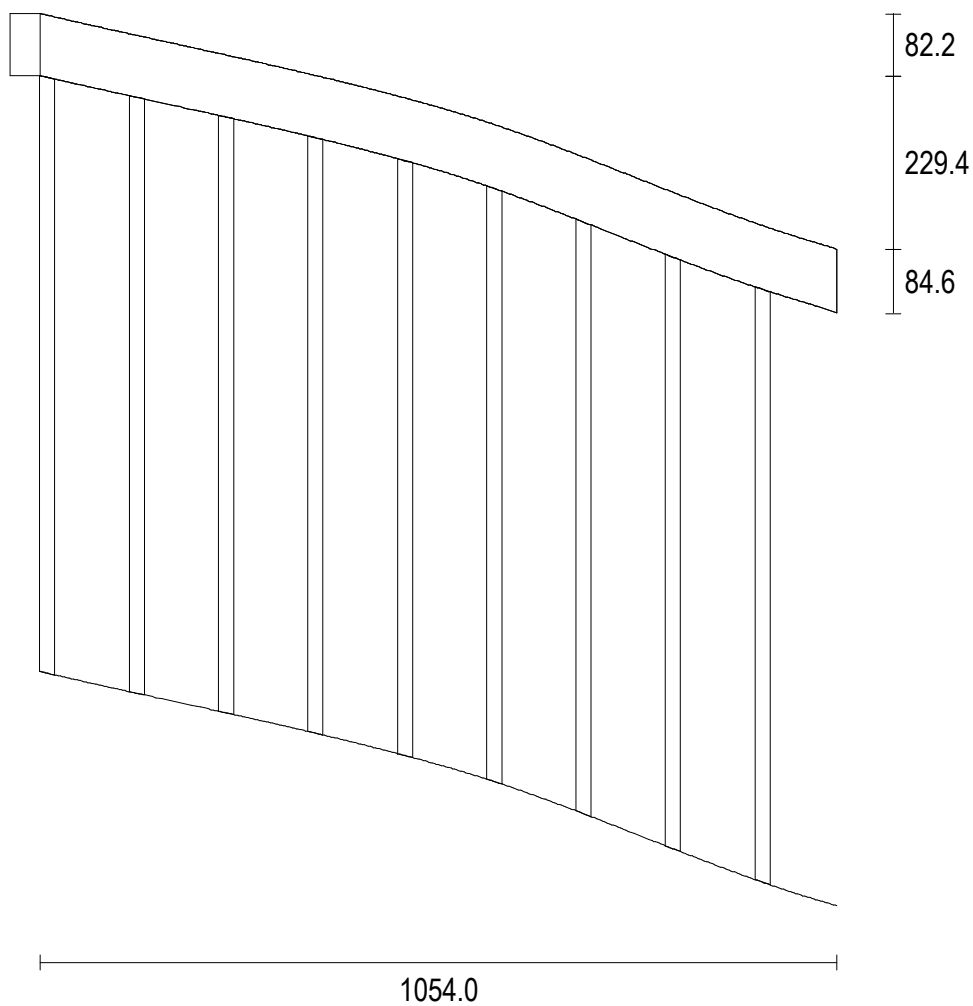


StairDesigner
Right Handrail : 1

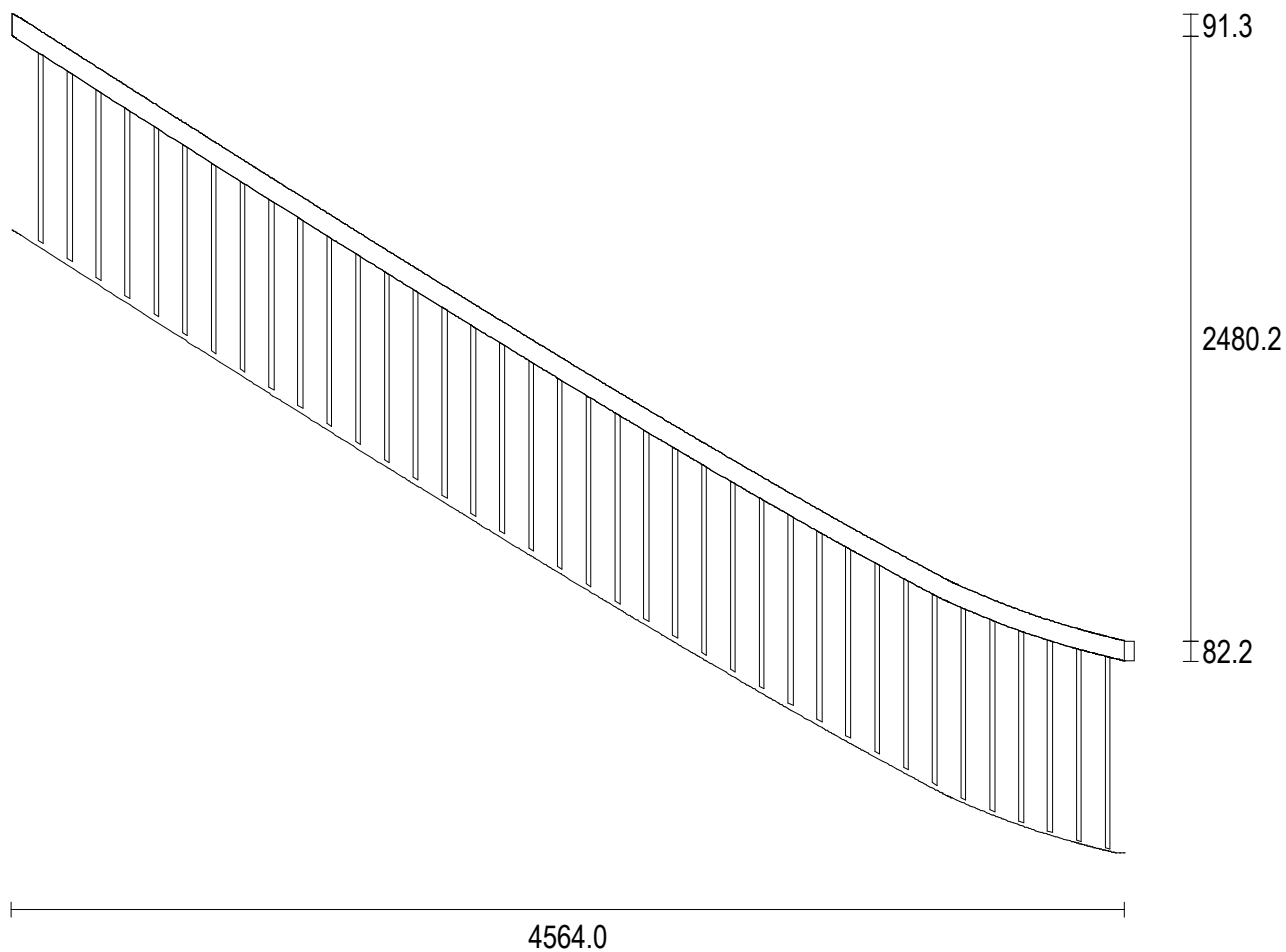
SW

trap
Scale : 1/10

Dimensions : 1160.9 x 116.2 (16.0°)



Dimensions : 5313.5 x 241.4 (29.2°)

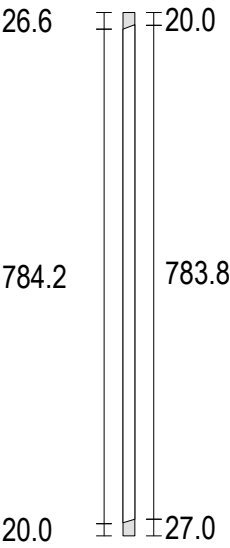


StairDesigner
Banister : 1-3

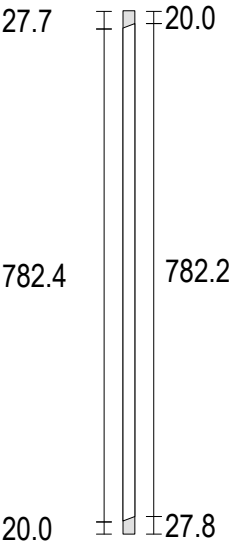
SW

trap

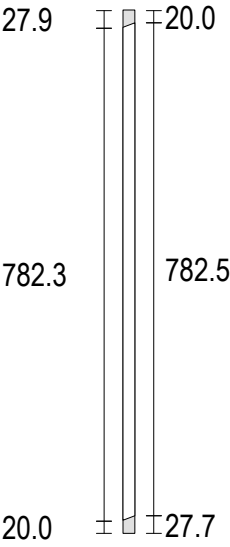
Banister : 1
Flight : 1
Position : 98.3
Height from Ground Level : 230.7
Angle : 18.16 / 19.21
Height : 830.7
Shaft Diameter : 20.0



Banister : 2
Flight : 1
Position : 216.6
Height from Ground Level : 274.4
Angle : 21.00 / 21.36
Height : 830.0
Shaft Diameter : 20.0



Banister : 3
Flight : 1
Position : 334.9
Height from Ground Level : 320.8
Angle : 21.45 / 20.99
Height : 830.2
Shaft Diameter : 20.0

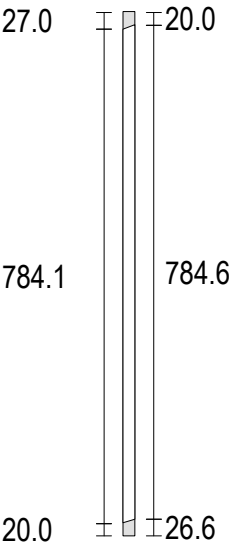


StairDesigner
Banister : 4-6

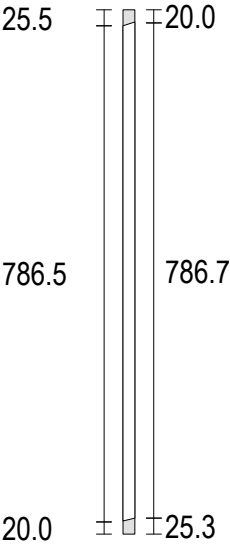
SW

trap

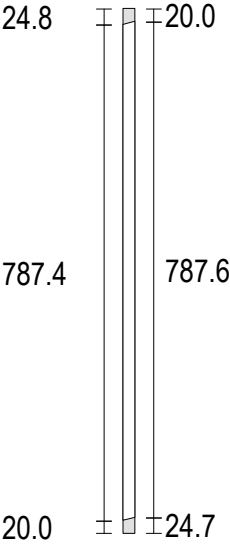
Banister : 4
Flight : 1
Position : 453.2
Height from Ground Level : 363.9
Angle : 19.34 / 18.17
Height : 831.1
Shaft Diameter : 20.0



Banister : 5
Flight : 1
Position : 571.5
Height from Ground Level : 399.0
Angle : 15.45 / 14.88
Height : 832.0
Shaft Diameter : 20.0



Banister : 6
Flight : 1
Position : 689.8
Height from Ground Level : 428.8
Angle : 13.59 / 13.27
Height : 832.3
Shaft Diameter : 20.0

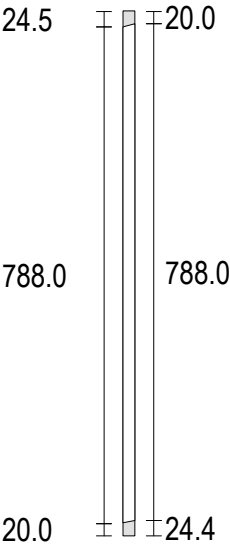


StairDesigner
Banister : 7-9

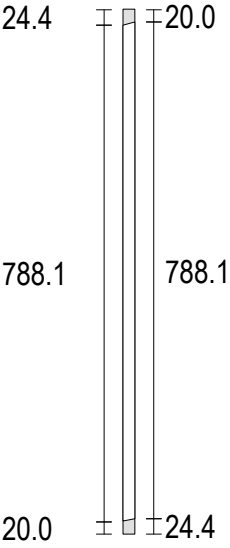
SW

trap

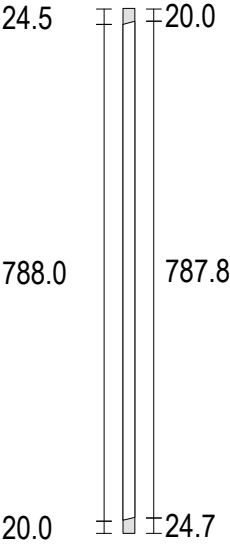
Banister : 7
Flight : 1
Position : 808.0
Height from Ground Level : 455.8
Angle : 12.57 / 12.43
Height : 832.4
Shaft Diameter : 20.0



Banister : 8
Flight : 1
Position : 926.3
Height from Ground Level : 481.7
Angle : 12.38
Height : 832.5
Shaft Diameter : 20.0



Banister : 9
Flight : 1
Position : 1044.6
Height from Ground Level : 508.2
Angle : 12.97 / 13.12
Height : 832.5
Shaft Diameter : 20.0

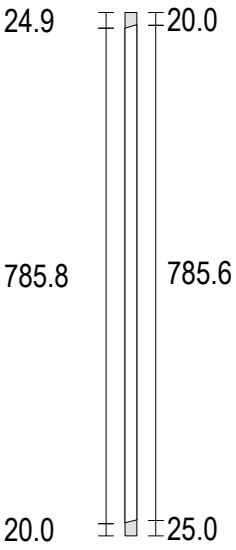


StairDesigner
Banister : 10-12

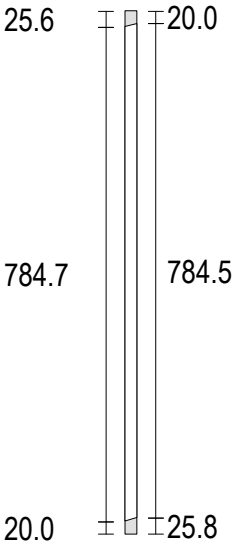
SW

trap

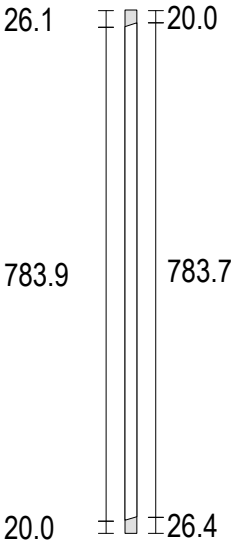
Banister : 10
Flight : 2
Position : 88.9
Height from Ground Level : 528.9
Angle : 13.79 / 14.15
Height : 830.7
Shaft Diameter : 20.0



Banister : 11
Flight : 2
Position : 207.2
Height from Ground Level : 560.6
Angle : 15.67 / 16.19
Height : 830.3
Shaft Diameter : 20.0



Banister : 12
Flight : 2
Position : 325.5
Height from Ground Level : 595.9
Angle : 16.96 / 17.74
Height : 830.1
Shaft Diameter : 20.0



StairDesigner
Banister : 13-15

SW

trap

Banister : 13

Flight : 2

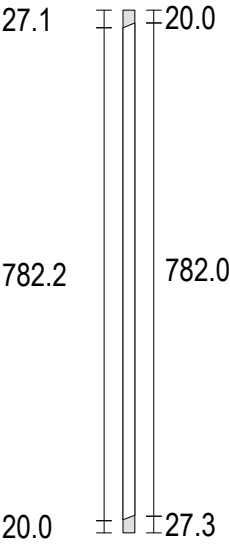
Position : 443.8

Height from Ground Level : 636.1

Angle : 19.61 / 19.99

Height : 829.3

Shaft Diameter : 20.0



Banister : 14

Flight : 2

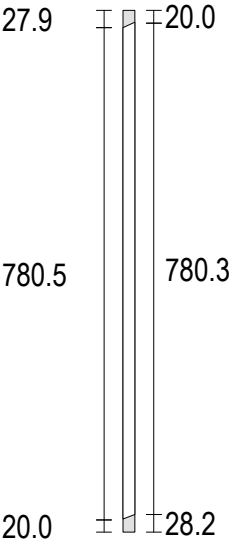
Position : 562.1

Height from Ground Level : 681.4

Angle : 21.68 / 22.15

Height : 828.5

Shaft Diameter : 20.0



Banister : 15

Flight : 2

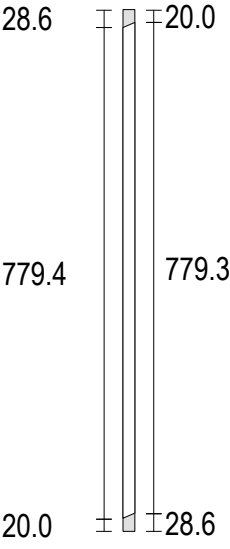
Position : 680.4

Height from Ground Level : 731.2

Angle : 23.20 / 23.32

Height : 828.0

Shaft Diameter : 20.0

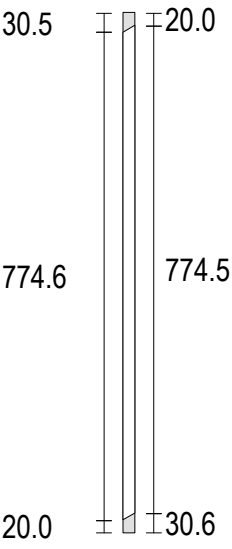


StairDesigner
Banister : 16-18

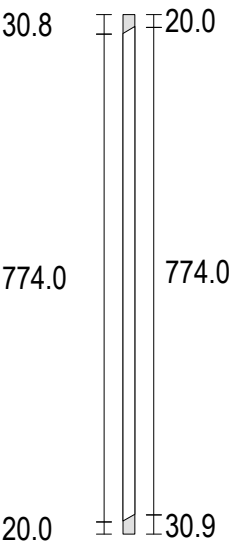
SW

trap

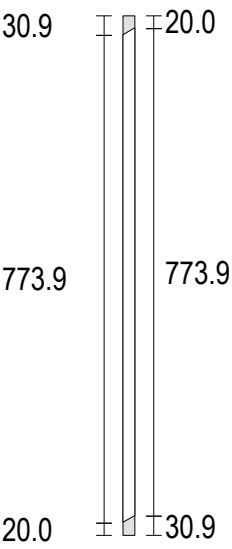
Banister : 16
Flight : 2
Position : 798.7
Height from Ground Level : 790.0
Angle : 27.68 / 28.02
Height : 825.1
Shaft Diameter : 20.0



Banister : 17
Flight : 2
Position : 917.0
Height from Ground Level : 853.6
Angle : 28.41 / 28.50
Height : 824.8
Shaft Diameter : 20.0



Banister : 18
Flight : 2
Position : 1035.3
Height from Ground Level : 918.0
Angle : 28.59
Height : 824.8
Shaft Diameter : 20.0



StairDesigner
Banister : 19-21

SW

trap

Banister : 19

Flight : 2

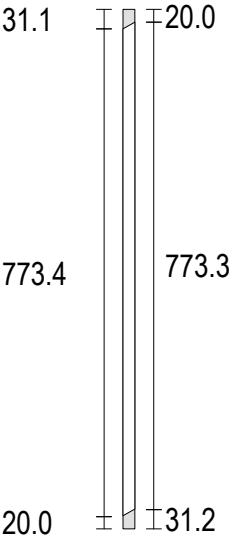
Position : 1153.5

Height from Ground Level : 983.1

Angle : 28.94 / 29.21

Height : 824.5

Shaft Diameter : 20.0



Banister : 20

Flight : 2

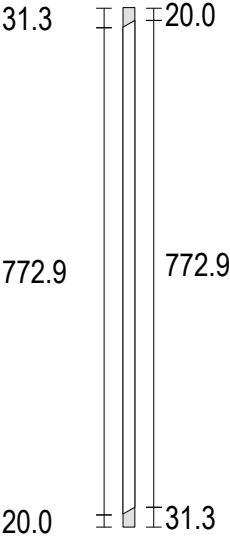
Position : 1271.8

Height from Ground Level : 1049.7

Angle : 29.47 / 29.56

Height : 824.2

Shaft Diameter : 20.0



Banister : 21

Flight : 2

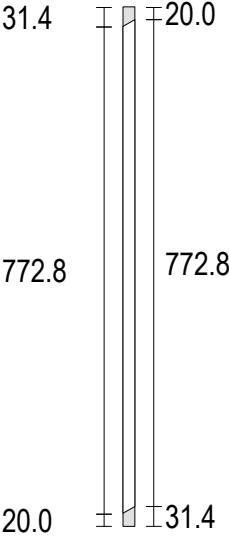
Position : 1390.1

Height from Ground Level : 1116.9

Angle : 29.63 / 29.73

Height : 824.2

Shaft Diameter : 20.0



StairDesigner
Banister : 22-24

SW

trap

Banister : 22

Flight : 2

Position : 1508.4

Height from Ground Level : 1184.9

Angle : 29.99 / 30.09

Height : 823.9

Shaft Diameter : 20.0



Banister : 23

Flight : 2

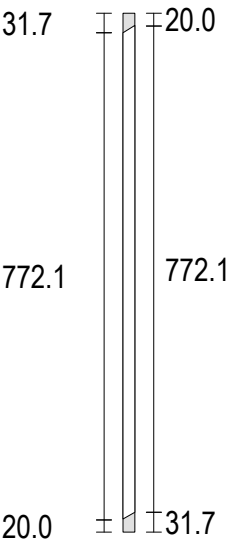
Position : 1626.7

Height from Ground Level : 1253.7

Angle : 30.25 / 30.28

Height : 823.8

Shaft Diameter : 20.0



Banister : 24

Flight : 2

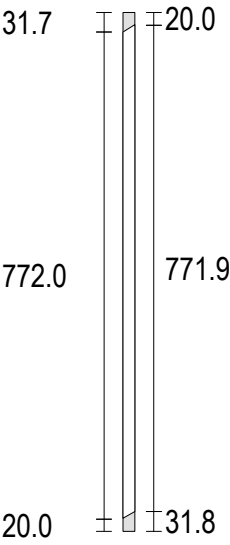
Position : 1745.0

Height from Ground Level : 1323.0

Angle : 30.35 / 30.50

Height : 823.7

Shaft Diameter : 20.0



StairDesigner
Banister : 25-27

SW

trap

Banister : 25

Flight : 2

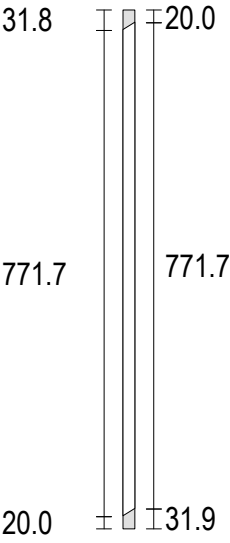
Position : 1863.3

Height from Ground Level : 1392.9

Angle : 30.63 / 30.72

Height : 823.5

Shaft Diameter : 20.0



Banister : 26

Flight : 2

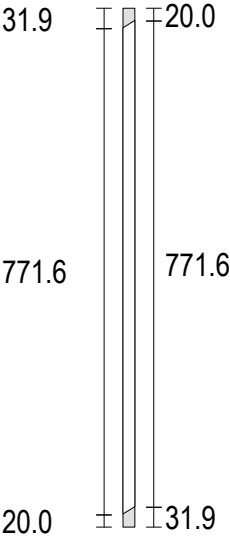
Position : 1981.6

Height from Ground Level : 1463.3

Angle : 30.79 / 30.81

Height : 823.5

Shaft Diameter : 20.0



Banister : 27

Flight : 2

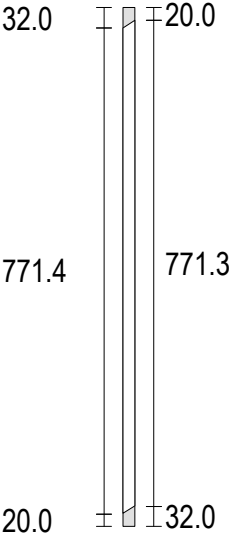
Position : 2099.9

Height from Ground Level : 1534.1

Angle : 30.95 / 31.01

Height : 823.4

Shaft Diameter : 20.0



StairDesigner
Banister : 28-30

SW

trap

Banister : 28

Flight : 2

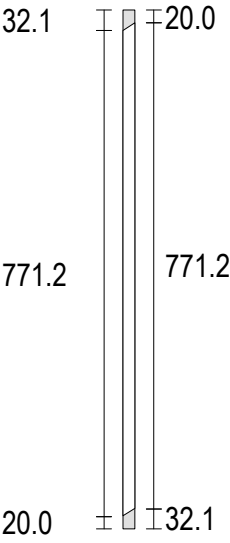
Position : 2218.2

Height from Ground Level : 1605.5

Angle : 31.12 / 31.16

Height : 823.3

Shaft Diameter : 20.0



Banister : 29

Flight : 2

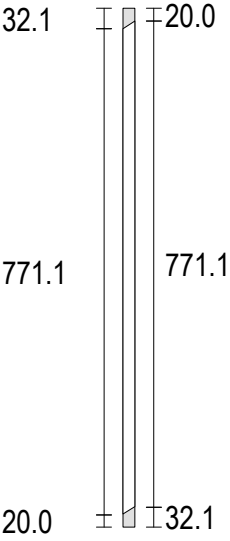
Position : 2336.5

Height from Ground Level : 1677.1

Angle : 31.20 / 31.28

Height : 823.2

Shaft Diameter : 20.0



Banister : 30

Flight : 2

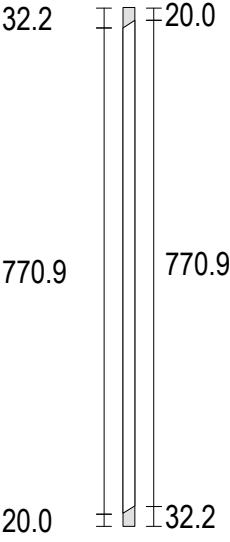
Position : 2454.8

Height from Ground Level : 1749.1

Angle : 31.36 / 31.43

Height : 823.1

Shaft Diameter : 20.0

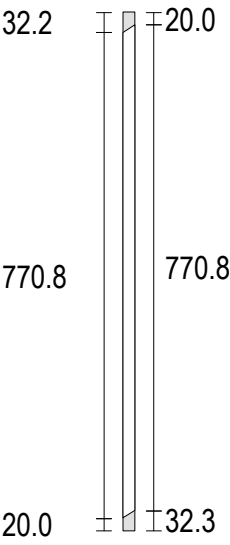


StairDesigner
Banister : 31-33

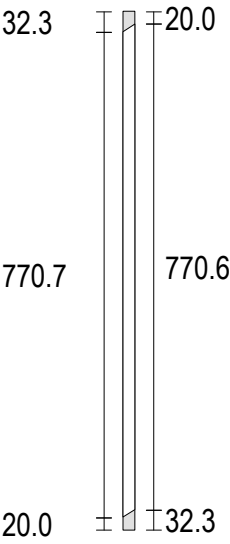
SW

trap

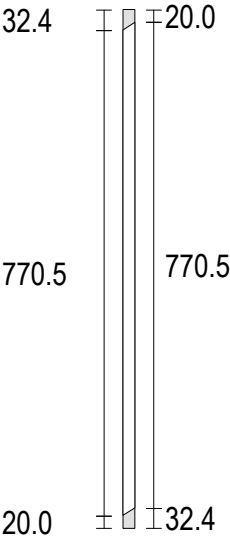
Banister : 31
Flight : 2
Position : 2573.0
Height from Ground Level : 1821.5
Angle : 31.48 / 31.49
Height : 823.1
Shaft Diameter : 20.0



Banister : 32
Flight : 2
Position : 2691.3
Height from Ground Level : 1894.1
Angle : 31.58 / 31.63
Height : 823.0
Shaft Diameter : 20.0



Banister : 33
Flight : 2
Position : 2809.6
Height from Ground Level : 1967.1
Angle : 31.71 / 31.72
Height : 822.9
Shaft Diameter : 20.0

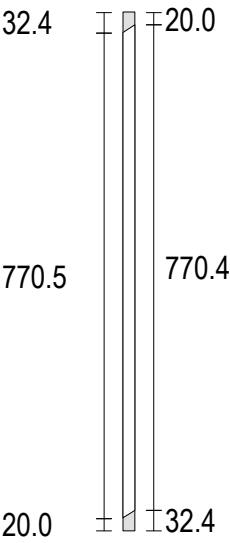


StairDesigner
Banister : 34-36

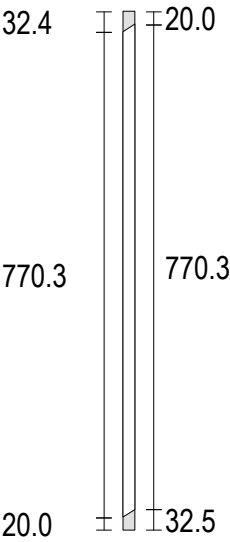
SW

trap

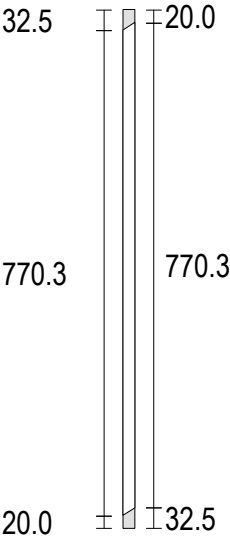
Banister : 34
Flight : 2
Position : 2927.9
Height from Ground Level : 2040.3
Angle : 31.76 / 31.82
Height : 822.9
Shaft Diameter : 20.0



Banister : 35
Flight : 2
Position : 3046.2
Height from Ground Level : 2113.9
Angle : 31.88 / 31.93
Height : 822.8
Shaft Diameter : 20.0



Banister : 36
Flight : 2
Position : 3164.5
Height from Ground Level : 2187.6
Angle : 31.95 / 31.97
Height : 822.7
Shaft Diameter : 20.0



StairDesigner
Banister : 37-39

SW

trap

Banister : 37

Flight : 2

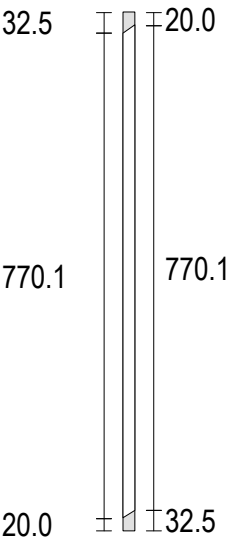
Position : 3282.8

Height from Ground Level : 2261.6

Angle : 32.04 / 32.08

Height : 822.7

Shaft Diameter : 20.0



Banister : 38

Flight : 2

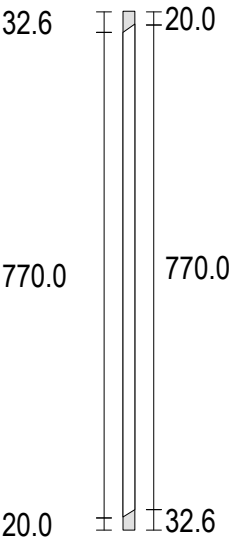
Position : 3401.1

Height from Ground Level : 2335.8

Angle : 32.12

Height : 822.6

Shaft Diameter : 20.0



Banister : 39

Flight : 2

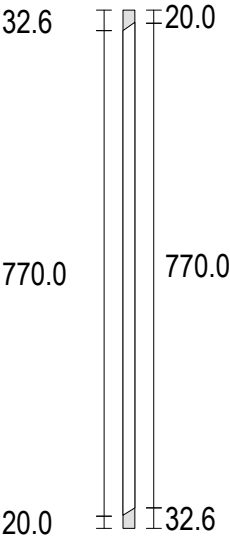
Position : 3519.4

Height from Ground Level : 2410.2

Angle : 32.17 / 32.22

Height : 822.6

Shaft Diameter : 20.0

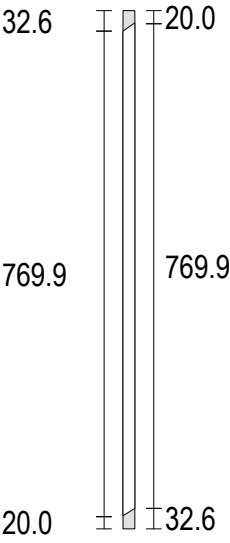


StairDesigner
Banister : 40-42

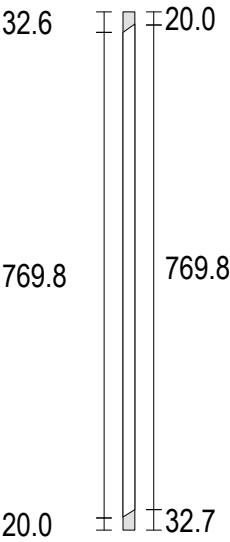
SW

trap

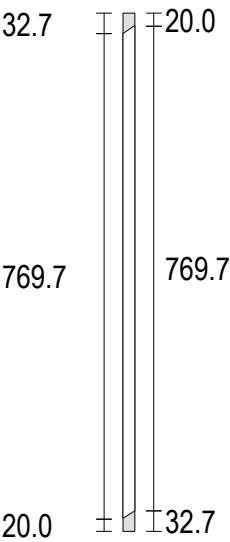
Banister : 40
Flight : 2
Position : 3637.7
Height from Ground Level : 2484.8
Angle : 32.27 / 32.29
Height : 822.5
Shaft Diameter : 20.0



Banister : 41
Flight : 2
Position : 3756.0
Height from Ground Level : 2559.6
Angle : 32.30 / 32.33
Height : 822.5
Shaft Diameter : 20.0



Banister : 42
Flight : 2
Position : 3874.3
Height from Ground Level : 2634.5
Angle : 32.37 / 32.41
Height : 822.4
Shaft Diameter : 20.0

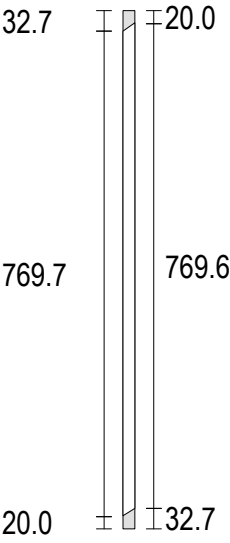


StairDesigner
Banister : 43-45

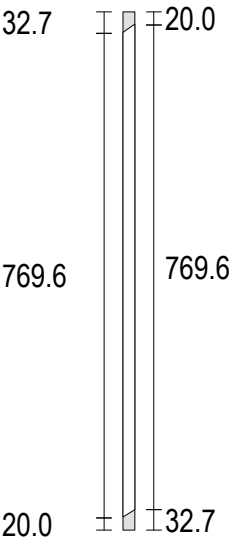
SW

trap

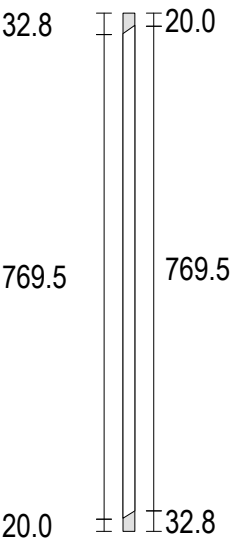
Banister : 43
Flight : 2
Position : 3992.5
Height from Ground Level : 2709.7
Angle : 32.44
Height : 822.4
Shaft Diameter : 20.0



Banister : 44
Flight : 2
Position : 4110.8
Height from Ground Level : 2785.0
Angle : 32.49 / 32.51
Height : 822.3
Shaft Diameter : 20.0



Banister : 45
Flight : 2
Position : 4229.1
Height from Ground Level : 2860.5
Angle : 32.55
Height : 822.3
Shaft Diameter : 20.0



StairDesigner
Banister : 46-48

SW

trap

Banister : 46

Flight : 2

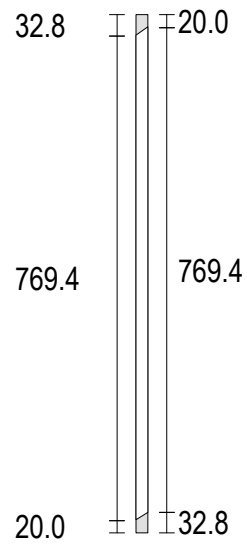
Position : 4347.4

Height from Ground Level : 2936.1

Angle : 32.57 / 32.61

Height : 822.2

Shaft Diameter : 20.0



Banister : 47

Flight : 2

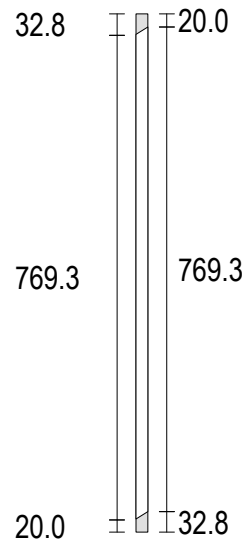
Position : 4465.7

Height from Ground Level : 3011.8

Angle : 32.64 / 32.69

Height : 822.2

Shaft Diameter : 20.0



Banister : 48

Flight : 1

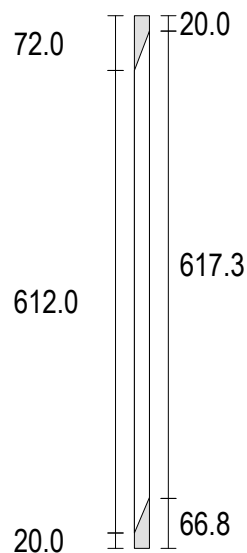
Position : 97.9

Height from Ground Level : 420.2

Angle : 71.54 / 66.89

Height : 704.1

Shaft Diameter : 20.0

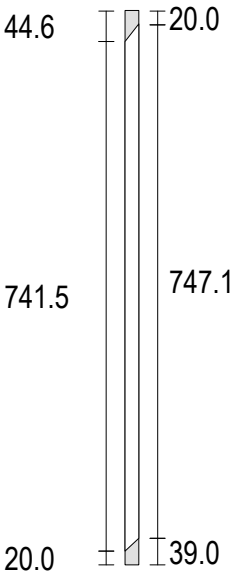


StairDesigner
Banister : 49-51

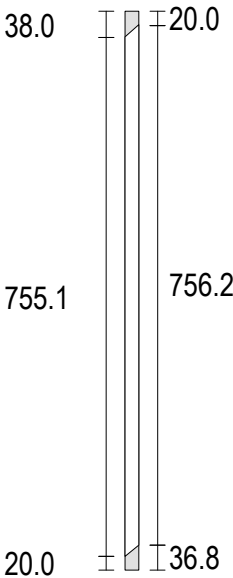
SW

trap

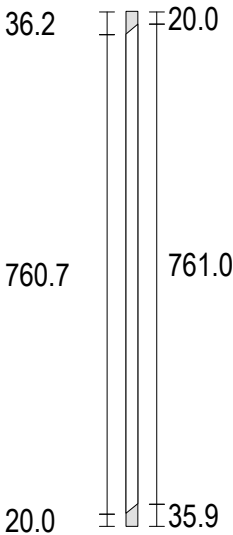
Banister : 49
Flight : 2
Position : 79.8
Height from Ground Level : 649.3
Angle : 51.10 / 43.53
Height : 806.1
Shaft Diameter : 20.0



Banister : 50
Flight : 2
Position : 197.6
Height from Ground Level : 755.0
Angle : 41.95 / 40.08
Height : 813.1
Shaft Diameter : 20.0



Banister : 51
Flight : 2
Position : 315.5
Height from Ground Level : 851.6
Angle : 38.96 / 38.43
Height : 816.9
Shaft Diameter : 20.0



StairDesigner
Banister : 52-54

SW

trap

Banister : 52

Flight : 2

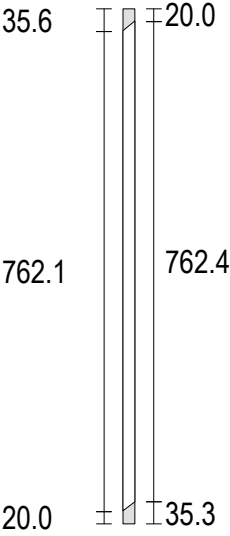
Position : 433.4

Height from Ground Level : 943.5

Angle : 37.94 / 37.36

Height : 817.7

Shaft Diameter : 20.0



Banister : 53

Flight : 2

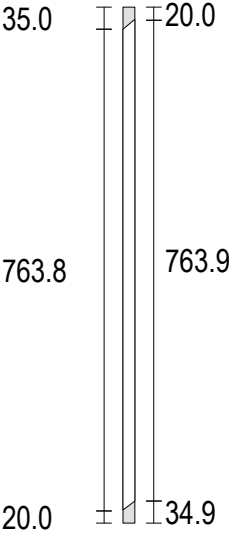
Position : 551.3

Height from Ground Level : 1032.5

Angle : 36.90 / 36.62

Height : 818.8

Shaft Diameter : 20.0



Banister : 54

Flight : 2

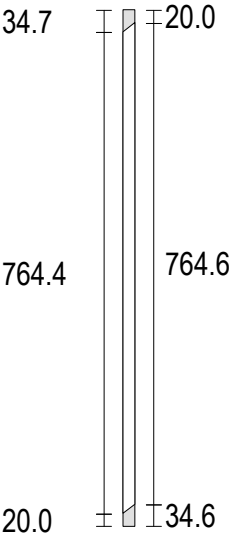
Position : 669.1

Height from Ground Level : 1119.4

Angle : 36.35 / 36.08

Height : 819.1

Shaft Diameter : 20.0

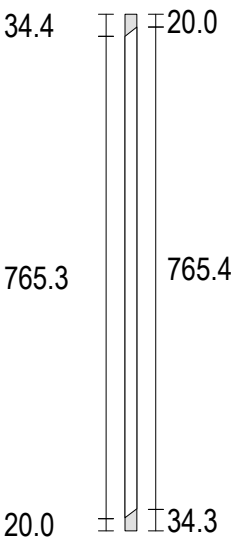


StairDesigner
Banister : 55-57

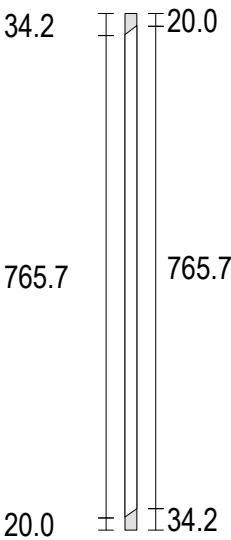
SW

trap

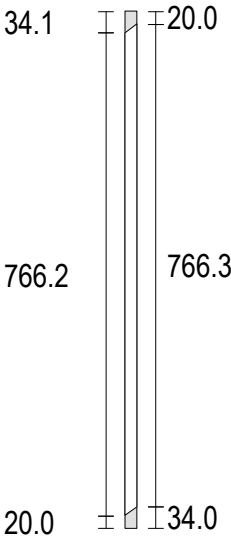
Banister : 55
Flight : 2
Position : 787.0
Height from Ground Level : 1204.7
Angle : 35.78 / 35.64
Height : 819.7
Shaft Diameter : 20.0



Banister : 56
Flight : 2
Position : 904.9
Height from Ground Level : 1288.7
Angle : 35.43 / 35.28
Height : 819.9
Shaft Diameter : 20.0



Banister : 57
Flight : 2
Position : 1022.8
Height from Ground Level : 1371.7
Angle : 35.08 / 34.99
Height : 820.3
Shaft Diameter : 20.0

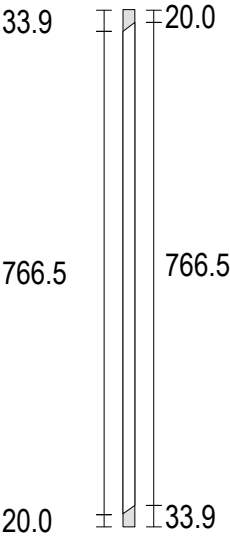


StairDesigner
Banister : 58-60

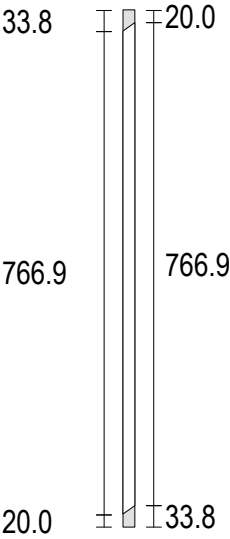
SW

trap

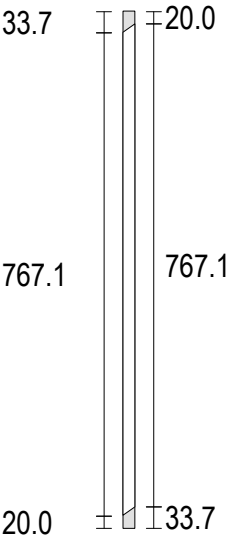
Banister : 58
Flight : 2
Position : 1140.6
Height from Ground Level : 1453.9
Angle : 34.81 / 34.73
Height : 820.4
Shaft Diameter : 20.0



Banister : 59
Flight : 2
Position : 1258.5
Height from Ground Level : 1535.3
Angle : 34.64 / 34.51
Height : 820.7
Shaft Diameter : 20.0



Banister : 60
Flight : 2
Position : 1376.4
Height from Ground Level : 1616.1
Angle : 34.37 / 34.32
Height : 820.8
Shaft Diameter : 20.0



StairDesigner
Banister : 61-63

SW

trap

Banister : 61

Flight : 2

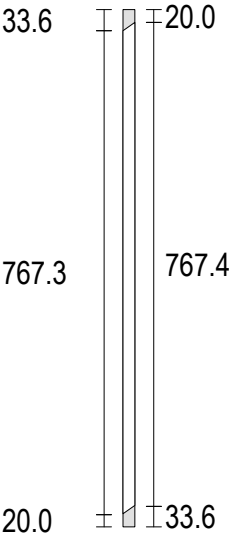
Position : 1494.3

Height from Ground Level : 1696.4

Angle : 34.25 / 34.15

Height : 821.0

Shaft Diameter : 20.0



Banister : 62

Flight : 2

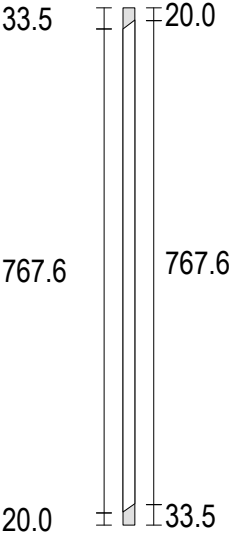
Position : 1612.1

Height from Ground Level : 1776.1

Angle : 34.03 / 34.00

Height : 821.1

Shaft Diameter : 20.0



Banister : 63

Flight : 2

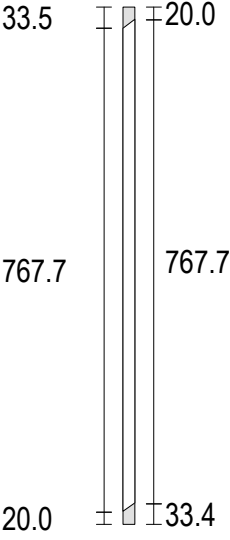
Position : 1730.0

Height from Ground Level : 1855.5

Angle : 33.95 / 33.86

Height : 821.2

Shaft Diameter : 20.0

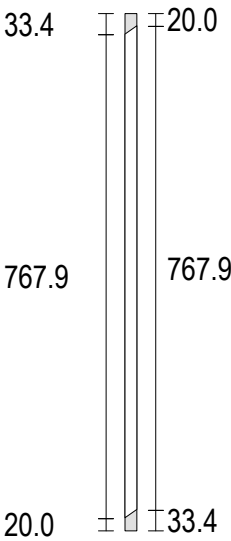


StairDesigner
Banister : 64-66

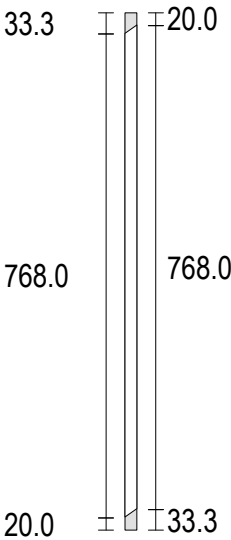
SW

trap

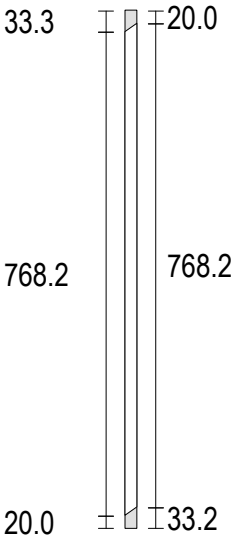
Banister : 64
Flight : 2
Position : 1847.9
Height from Ground Level : 1934.4
Angle : 33.78 / 33.74
Height : 821.3
Shaft Diameter : 20.0



Banister : 65
Flight : 2
Position : 1965.8
Height from Ground Level : 2013.0
Angle : 33.68 / 33.62
Height : 821.3
Shaft Diameter : 20.0



Banister : 66
Flight : 2
Position : 2083.6
Height from Ground Level : 2091.2
Angle : 33.55 / 33.52
Height : 821.4
Shaft Diameter : 20.0



StairDesigner
Banister : 67-69

SW

trap

Banister : 67

Flight : 2

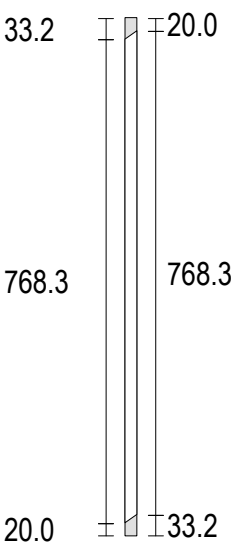
Position : 2201.5

Height from Ground Level : 2169.2

Angle : 33.45 / 33.42

Height : 821.5

Shaft Diameter : 20.0



Banister : 68

Flight : 2

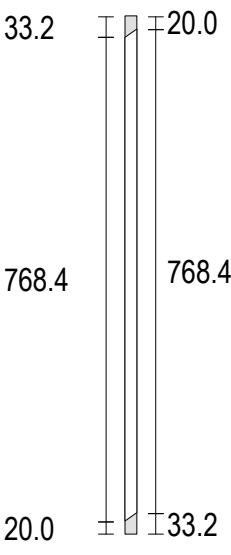
Position : 2319.4

Height from Ground Level : 2246.9

Angle : 33.38 / 33.33

Height : 821.6

Shaft Diameter : 20.0



Banister : 69

Flight : 2

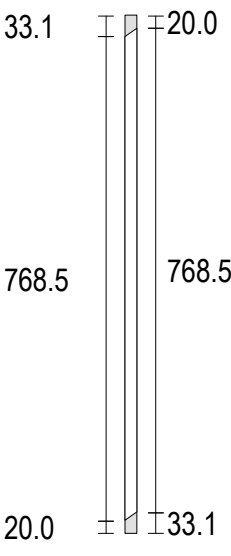
Position : 2437.3

Height from Ground Level : 2324.3

Angle : 33.27 / 33.25

Height : 821.6

Shaft Diameter : 20.0

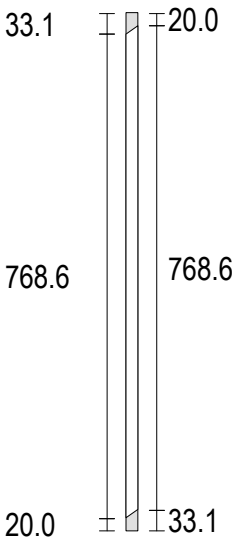


StairDesigner
Banister : 70-72

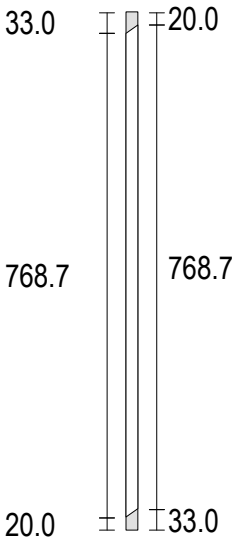
SW

trap

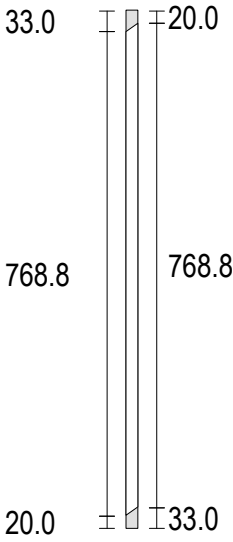
Banister : 70
Flight : 2
Position : 2555.1
Height from Ground Level : 2401.5
Angle : 33.23 / 33.18
Height : 821.7
Shaft Diameter : 20.0



Banister : 71
Flight : 2
Position : 2673.0
Height from Ground Level : 2478.5
Angle : 33.13 / 33.10
Height : 821.8
Shaft Diameter : 20.0



Banister : 72
Flight : 2
Position : 2790.9
Height from Ground Level : 2555.2
Angle : 33.08 / 33.03
Height : 821.8
Shaft Diameter : 20.0



StairDesigner
Banister : 73-75

SW

trap

Banister : 73

Flight : 2

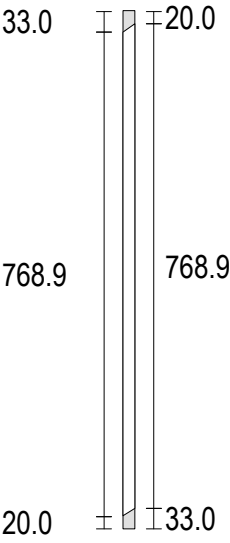
Position : 2908.8

Height from Ground Level : 2631.8

Angle : 33.00 / 32.96

Height : 821.9

Shaft Diameter : 20.0



Banister : 74

Flight : 2

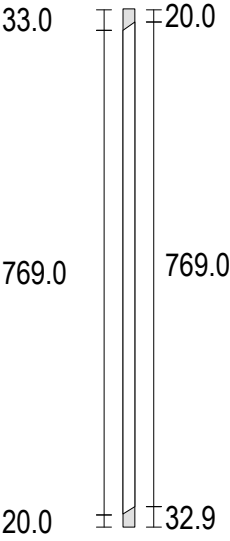
Position : 3026.6

Height from Ground Level : 2708.2

Angle : 32.93 / 32.91

Height : 821.9

Shaft Diameter : 20.0



Banister : 75

Flight : 2

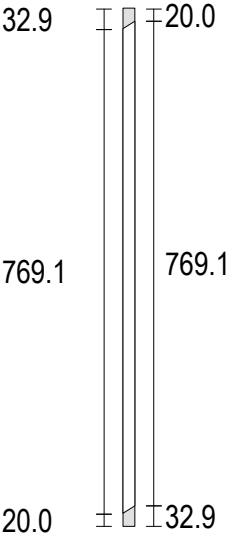
Position : 3144.5

Height from Ground Level : 2784.4

Angle : 32.88 / 32.85

Height : 822.0

Shaft Diameter : 20.0



StairDesigner
Banister : 76-78

SW

trap

Banister : 76

Flight : 2

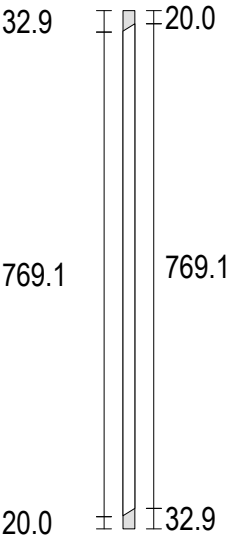
Position : 3262.4

Height from Ground Level : 2860.4

Angle : 32.81 / 32.80

Height : 822.0

Shaft Diameter : 20.0



Banister : 77

Flight : 2

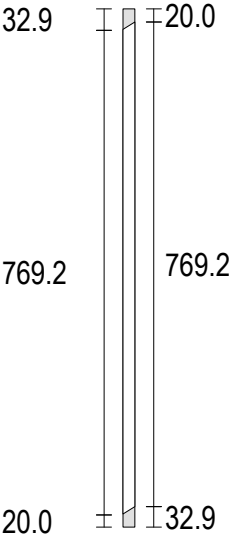
Position : 3380.3

Height from Ground Level : 2936.3

Angle : 32.79 / 32.75

Height : 822.1

Shaft Diameter : 20.0



Banister : 78

Flight : 2

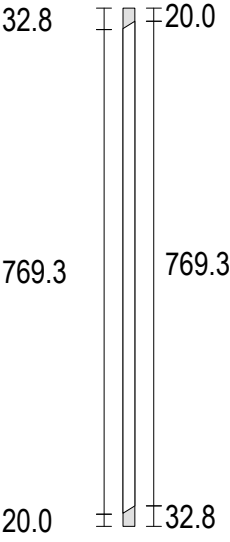
Position : 3498.1

Height from Ground Level : 3012.1

Angle : 32.72 / 32.69

Height : 822.1

Shaft Diameter : 20.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	966.0 x 536.0 x 40.0	0.0207 m ³	0.0123 m ³
Step 2	1318.3 x 597.9 x 40.0	0.0315 m ³	0.0171 m ³
Step 3	1336.7 x 403.4 x 40.0	0.0216 m ³	0.0137 m ³
Step 4	1144.6 x 330.3 x 40.0	0.0151 m ³	0.0115 m ³
Step 5	1081.5 x 328.4 x 40.0	0.0142 m ³	0.0115 m ³
Step 6	1039.9 x 326.7 x 40.0	0.0136 m ³	0.0115 m ³
Step 7	1010.7 x 324.7 x 40.0	0.0131 m ³	0.0115 m ³
Step 8	989.7 x 322.5 x 40.0	0.0128 m ³	0.0115 m ³
Step 9	974.2 x 320.2 x 40.0	0.0125 m ³	0.0115 m ³
Step 10	962.7 x 317.9 x 40.0	0.0122 m ³	0.0115 m ³
Step 11	954.1 x 315.8 x 40.0	0.0121 m ³	0.0115 m ³
Step 12	947.7 x 313.8 x 40.0	0.0119 m ³	0.0115 m ³
Step 13	943.0 x 312.0 x 40.0	0.0118 m ³	0.0115 m ³
Step 14	939.7 x 310.4 x 40.0	0.0117 m ³	0.0115 m ³
Step 15	937.6 x 308.9 x 40.0	0.0116 m ³	0.0115 m ³
Step 16	936.4 x 307.5 x 40.0	0.0115 m ³	0.0115 m ³
Step 17	936.0 x 60.0 x 40.0	0.0022 m ³	0.0022 m ³
Riser 1	966.0 x 147.6 x 22.0	0.0031 m ³	0.0031 m ³
Riser 2	1076.1 x 187.6 x 22.0	0.0044 m ³	0.0044 m ³
Riser 3	1242.5 x 187.6 x 22.0	0.0051 m ³	0.0051 m ³
Riser 4	1056.8 x 187.6 x 22.0	0.0044 m ³	0.0043 m ³
Riser 5	1006.2 x 187.6 x 22.0	0.0042 m ³	0.0041 m ³
Riser 6	978.2 x 187.6 x 22.0	0.0040 m ³	0.0040 m ³
Riser 7	961.5 x 187.6 x 22.0	0.0040 m ³	0.0040 m ³
Riser 8	951.4 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 9	945.1 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 10	941.3 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 11	939.0 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 12	937.6 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 13	936.8 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 14	936.4 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 15	936.1 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 16	936.0 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Riser 17	936.0 x 187.6 x 22.0	0.0039 m ³	0.0039 m ³
Right Stringboard 1	1186.3 x 324.4 x 32.0	0.0123 m ³	0.0102 m ³
Right Stringboard 2	5421.7 x 456.9 x 32.0	0.0793 m ³	0.0506 m ³
Left Stringboard 1	555.3 x 152.0 x 32.0	0.0027 m ³	0.0016 m ³
Left Stringboard 2	4761.7 x 526.1 x 32.0	0.0802 m ³	0.0435 m ³
Right Handrail 1	1160.9 x 116.2 x 40.0	0.0054 m ³	0.0036 m ³
Right Handrail 2	5313.5 x 241.4 x 40.0	0.0513 m ³	0.0169 m ³
Left Handrail 1	490.2 x 84.8 x 40.0	0.0017 m ³	0.0010 m ³
Left Handrail 2	4563.8 x 233.5 x 40.0	0.0426 m ³	0.0143 m ³
Banister 1	20.1 x 20.0 x 830.7	0.0003 m ³	0.0003 m ³
Banister 2	20.1 x 20.0 x 830.0	0.0003 m ³	0.0003 m ³
Banister 3	20.1 x 20.0 x 830.2	0.0003 m ³	0.0003 m ³
Banister 4	20.1 x 20.0 x 831.1	0.0003 m ³	0.0003 m ³
Banister 5	20.1 x 20.0 x 832.0	0.0003 m ³	0.0003 m ³
Banister 6	20.1 x 20.0 x 832.3	0.0003 m ³	0.0003 m ³
Banister 7	20.1 x 20.0 x 832.4	0.0003 m ³	0.0003 m ³

Piece	Dimensions	Cutting List Volume	Real Volume
Banister 8	20.1 x 20.0 x 832.5	0.0003 m ³	0.0003 m ³
Banister 9	20.1 x 20.0 x 832.5	0.0003 m ³	0.0003 m ³
Banister 10	20.1 x 20.0 x 830.7	0.0003 m ³	0.0003 m ³
Banister 11	20.1 x 20.0 x 830.3	0.0003 m ³	0.0003 m ³
Banister 12	20.1 x 20.0 x 830.1	0.0003 m ³	0.0003 m ³
Banister 13	20.1 x 20.0 x 829.3	0.0003 m ³	0.0003 m ³
Banister 14	20.1 x 20.0 x 828.5	0.0003 m ³	0.0003 m ³
Banister 15	20.1 x 20.0 x 828.0	0.0003 m ³	0.0003 m ³
Banister 16	20.1 x 20.0 x 825.1	0.0003 m ³	0.0003 m ³
Banister 17	20.1 x 20.0 x 824.8	0.0003 m ³	0.0003 m ³
Banister 18	20.1 x 20.0 x 824.8	0.0003 m ³	0.0003 m ³
Banister 19	20.1 x 20.0 x 824.5	0.0003 m ³	0.0003 m ³
Banister 20	20.1 x 20.0 x 824.2	0.0003 m ³	0.0003 m ³
Banister 21	20.1 x 20.0 x 824.2	0.0003 m ³	0.0003 m ³
Banister 22	20.1 x 20.0 x 823.9	0.0003 m ³	0.0003 m ³
Banister 23	20.1 x 20.0 x 823.8	0.0003 m ³	0.0003 m ³
Banister 24	20.1 x 20.0 x 823.7	0.0003 m ³	0.0003 m ³
Banister 25	20.1 x 20.0 x 823.5	0.0003 m ³	0.0003 m ³
Banister 26	20.1 x 20.0 x 823.5	0.0003 m ³	0.0003 m ³
Banister 27	20.1 x 20.0 x 823.4	0.0003 m ³	0.0003 m ³
Banister 28	20.1 x 20.0 x 823.3	0.0003 m ³	0.0003 m ³
Banister 29	20.1 x 20.0 x 823.2	0.0003 m ³	0.0003 m ³
Banister 30	20.1 x 20.0 x 823.1	0.0003 m ³	0.0003 m ³
Banister 31	20.1 x 20.0 x 823.1	0.0003 m ³	0.0003 m ³
Banister 32	20.1 x 20.0 x 823.0	0.0003 m ³	0.0003 m ³
Banister 33	20.1 x 20.0 x 822.9	0.0003 m ³	0.0003 m ³
Banister 34	20.1 x 20.0 x 822.9	0.0003 m ³	0.0003 m ³
Banister 35	20.1 x 20.0 x 822.8	0.0003 m ³	0.0003 m ³
Banister 36	20.1 x 20.0 x 822.7	0.0003 m ³	0.0003 m ³
Banister 37	20.1 x 20.0 x 822.7	0.0003 m ³	0.0003 m ³
Banister 38	20.1 x 20.0 x 822.6	0.0003 m ³	0.0003 m ³
Banister 39	20.1 x 20.0 x 822.6	0.0003 m ³	0.0003 m ³
Banister 40	20.1 x 20.0 x 822.5	0.0003 m ³	0.0003 m ³
Banister 41	20.1 x 20.0 x 822.5	0.0003 m ³	0.0003 m ³
Banister 42	20.1 x 20.0 x 822.4	0.0003 m ³	0.0003 m ³
Banister 43	20.1 x 20.0 x 822.4	0.0003 m ³	0.0003 m ³
Banister 44	20.1 x 20.0 x 822.3	0.0003 m ³	0.0003 m ³
Banister 45	20.1 x 20.0 x 822.3	0.0003 m ³	0.0003 m ³
Banister 46	20.1 x 20.0 x 822.2	0.0003 m ³	0.0003 m ³
Banister 47	20.1 x 20.0 x 822.2	0.0003 m ³	0.0003 m ³
Banister 48	20.1 x 20.0 x 704.1	0.0003 m ³	0.0002 m ³
Banister 49	20.1 x 20.0 x 806.1	0.0003 m ³	0.0003 m ³
Banister 50	20.1 x 20.0 x 813.1	0.0003 m ³	0.0003 m ³
Banister 51	20.1 x 20.0 x 816.9	0.0003 m ³	0.0003 m ³
Banister 52	20.1 x 20.0 x 817.7	0.0003 m ³	0.0003 m ³
Banister 53	20.1 x 20.0 x 818.8	0.0003 m ³	0.0003 m ³
Banister 54	20.1 x 20.0 x 819.1	0.0003 m ³	0.0003 m ³
Banister 55	20.1 x 20.0 x 819.7	0.0003 m ³	0.0003 m ³
Banister 56	20.1 x 20.0 x 819.9	0.0003 m ³	0.0003 m ³

Piece	Dimensions	Cutting List Volume	Real Volume
Banister 57	20.1 x 20.0 x 820.3	0.0003 m ³	0.0003 m ³
Banister 58	20.1 x 20.0 x 820.4	0.0003 m ³	0.0003 m ³
Banister 59	20.1 x 20.0 x 820.7	0.0003 m ³	0.0003 m ³
Banister 60	20.1 x 20.0 x 820.8	0.0003 m ³	0.0003 m ³
Banister 61	20.1 x 20.0 x 821.0	0.0003 m ³	0.0003 m ³
Banister 62	20.1 x 20.0 x 821.1	0.0003 m ³	0.0003 m ³
Banister 63	20.1 x 20.0 x 821.2	0.0003 m ³	0.0003 m ³
Banister 64	20.1 x 20.0 x 821.3	0.0003 m ³	0.0003 m ³
Banister 65	20.1 x 20.0 x 821.3	0.0003 m ³	0.0003 m ³
Banister 66	20.1 x 20.0 x 821.4	0.0003 m ³	0.0003 m ³
Banister 67	20.1 x 20.0 x 821.5	0.0003 m ³	0.0003 m ³
Banister 68	20.1 x 20.0 x 821.6	0.0003 m ³	0.0003 m ³
Banister 69	20.1 x 20.0 x 821.6	0.0003 m ³	0.0003 m ³
Banister 70	20.1 x 20.0 x 821.7	0.0003 m ³	0.0003 m ³
Banister 71	20.1 x 20.0 x 821.8	0.0003 m ³	0.0003 m ³
Banister 72	20.1 x 20.0 x 821.8	0.0003 m ³	0.0003 m ³
Banister 73	20.1 x 20.0 x 821.9	0.0003 m ³	0.0003 m ³
Banister 74	20.1 x 20.0 x 821.9	0.0003 m ³	0.0003 m ³
Banister 75	20.1 x 20.0 x 822.0	0.0003 m ³	0.0003 m ³
Banister 76	20.1 x 20.0 x 822.0	0.0003 m ³	0.0003 m ³
Banister 77	20.1 x 20.0 x 822.1	0.0003 m ³	0.0003 m ³
Banister 78	20.1 x 20.0 x 822.1	0.0003 m ³	0.0003 m ³

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.2401 m ³	0.1945 m ³	194.47 kg	144.04 €
Risers	0.0680 m ³	0.0677 m ³		40.81 €
Stringboards	0.1744 m ³	0.1059 m ³	105.89 kg	104.67 €
Handrails	0.1010 m ³	0.0357 m ³	35.69 kg	60.60 €
Banisters	0.0257 m ³	0.0201 m ³		178.68 €
Total	0.6093 m³	0.4239 m³	336.05 kg	528.81 €