

StairDesigner

David Ffrench

dfrench-01v01

Scale : 1/22

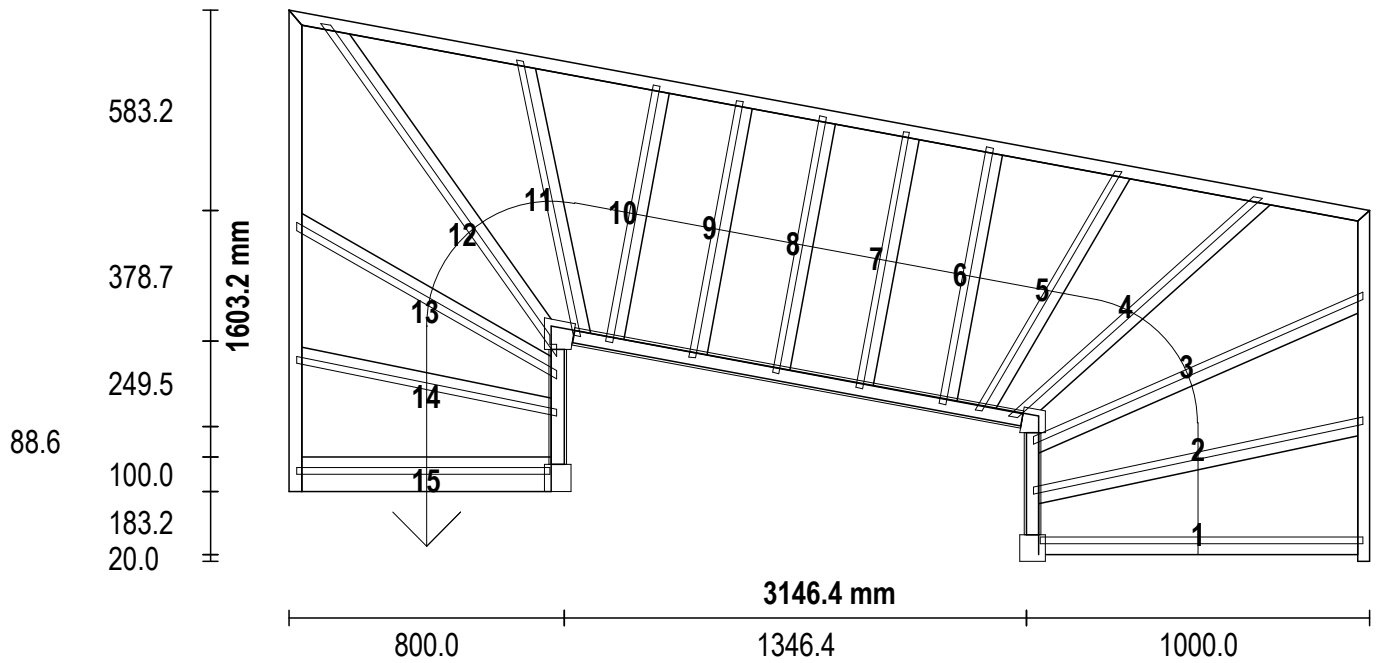
Multi-Flight Stair

Risers : 15
Floor Height : 2825.0 mm

Riser Height : 188.3 mm

Tread Width : 246.6 mm

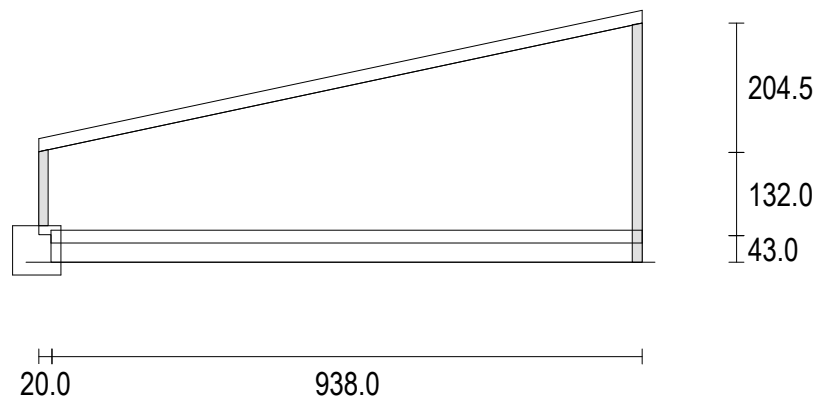
Stair Rule : 623.2 mm



Step : 958.0 x 379.5

Riser

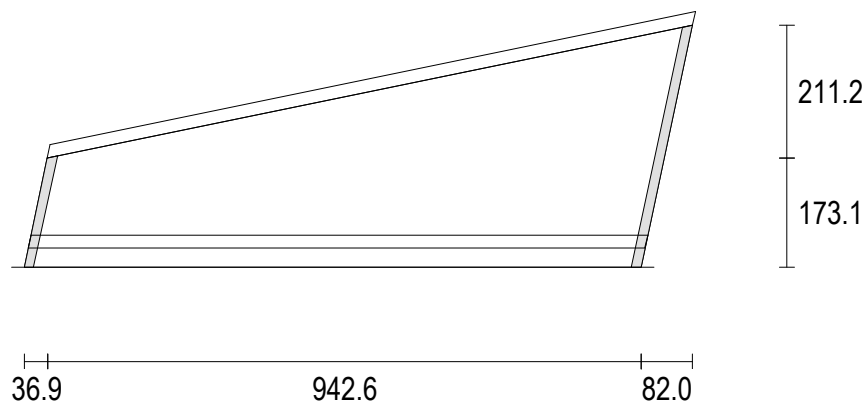
Width : 938.0 Height : 158.3 Thickness : 20.0 Angle : 0.00



Step : 1061.6 x 384.3

Riser

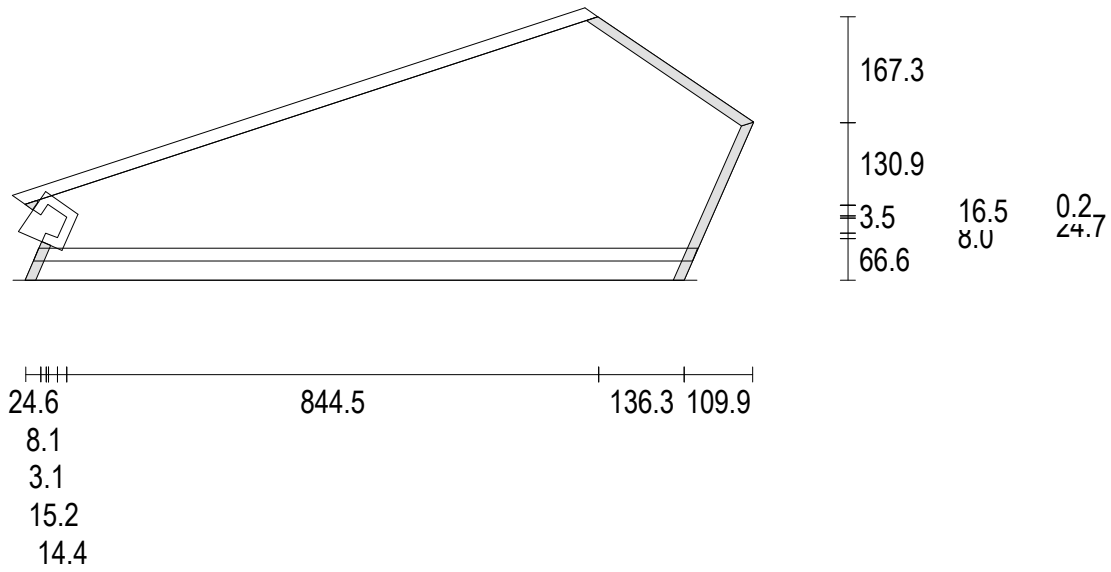
Width : 983.8 Height : 198.3 Thickness : 20.0 Angle : -12.05



Step : 1156.1 x 417.8

Riser

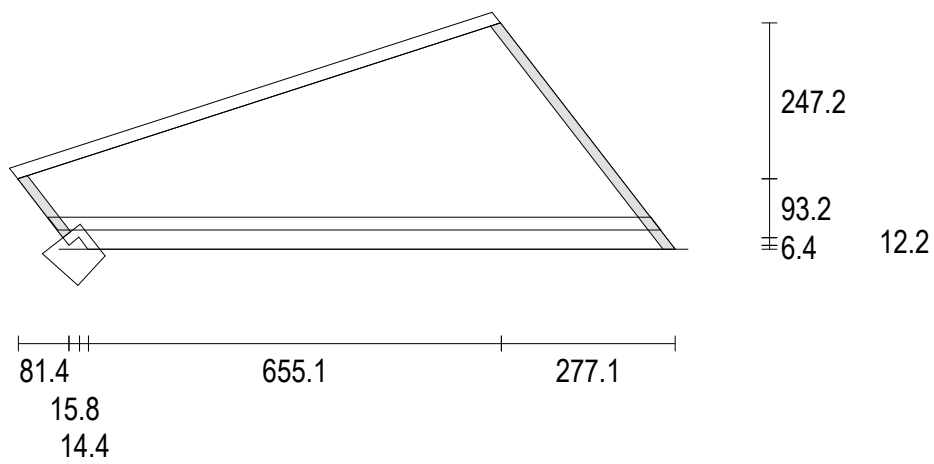
Width : 1055.0 Height : 198.3 Thickness : 20.0 Angle : -23.69



Step : 1043.8 x 359.0

Riser

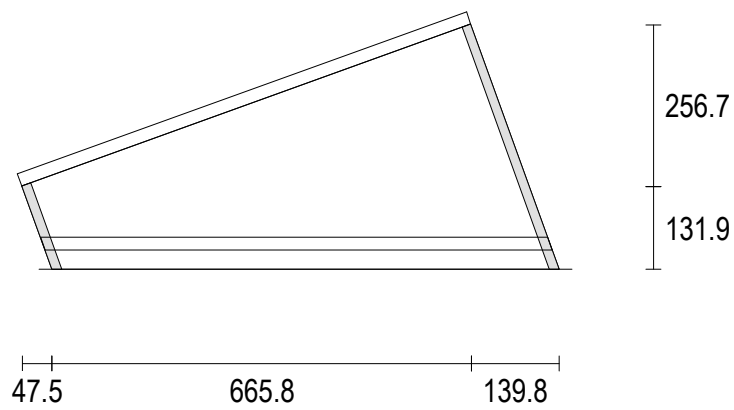
Width : 972.9 Height : 198.3 Thickness : 20.0 Angle : 37.66



Step : 853.1 x 388.6

Riser

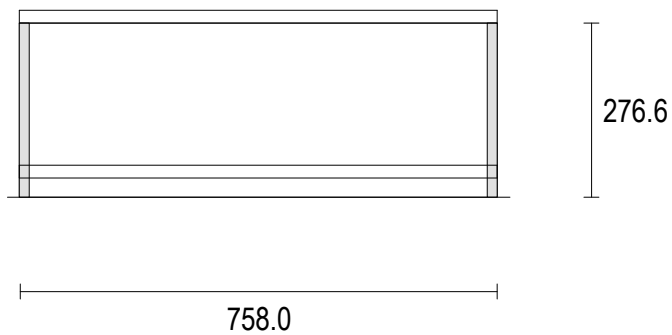
Width : 812.8 Height : 198.3 Thickness : 20.0 Angle : 19.79



Step : 758.0 x 276.6

Riser

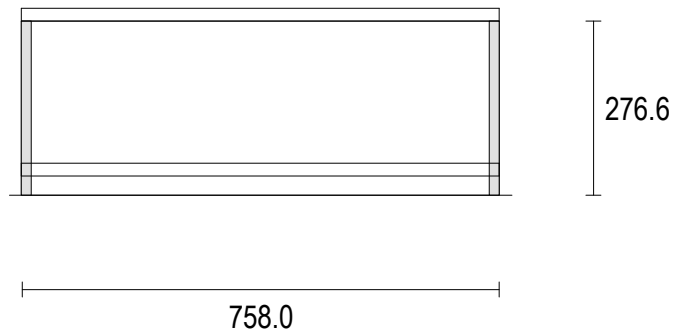
Width : 758.0 Height : 198.3 Thickness : 20.0 Angle : 0.00



Step : 758.0 x 276.6

Riser

Width : 758.0 Height : 198.3 Thickness : 20.0 Angle : 0.00



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Step : 8

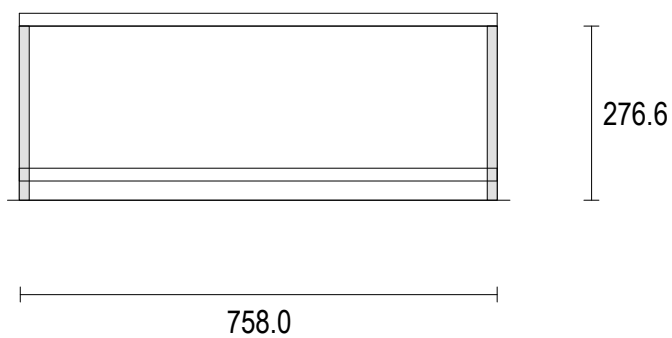
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Scale : 1/12

Step : 758.0 x 276.6

Riser

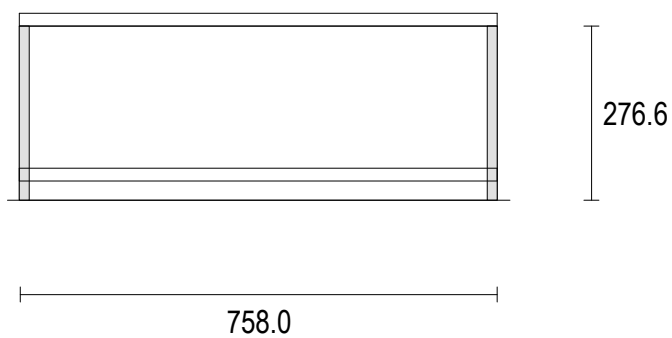
Width : 758.0 Height : 198.3 Thickness : 20.0 Angle : 0.00



Step : 758.0 x 276.6

Riser

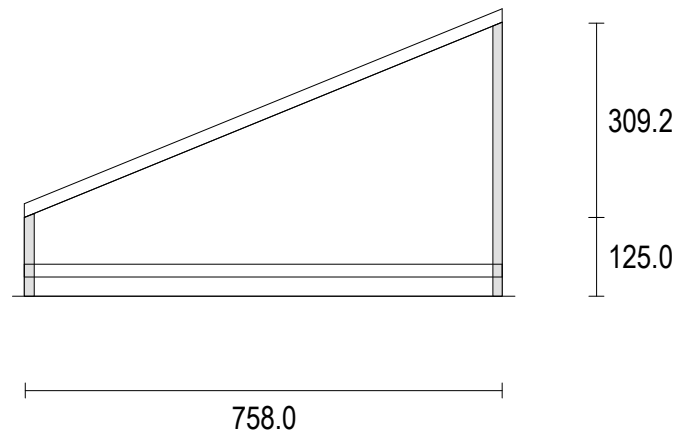
Width : 758.0 Height : 198.3 Thickness : 20.0 Angle : 0.00



Step : 758.0 x 434.2

Riser

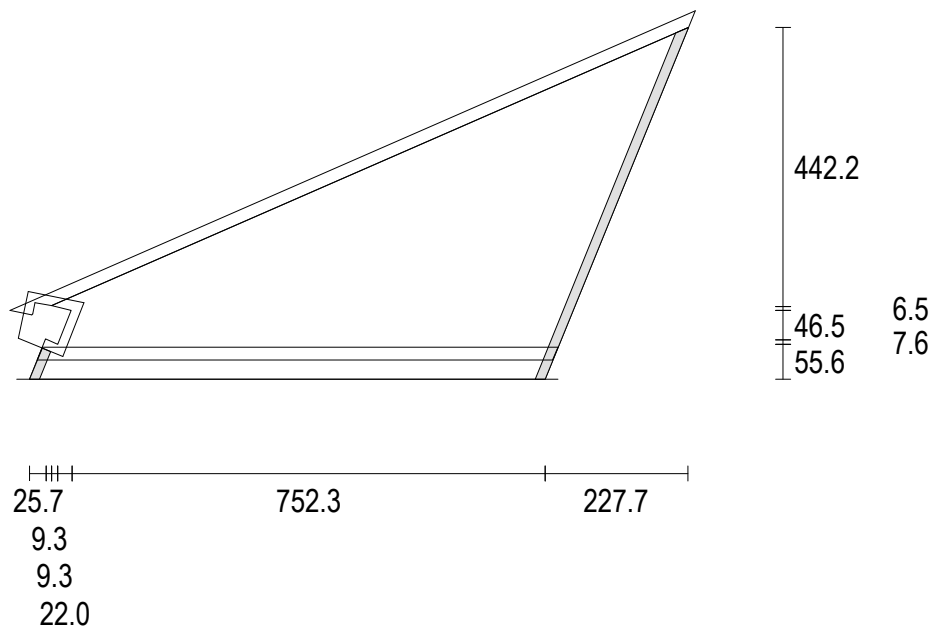
Width : 758.0 Height : 198.3 Thickness : 20.0 Angle : -0.00



Step : 1046.3 x 558.3

Riser

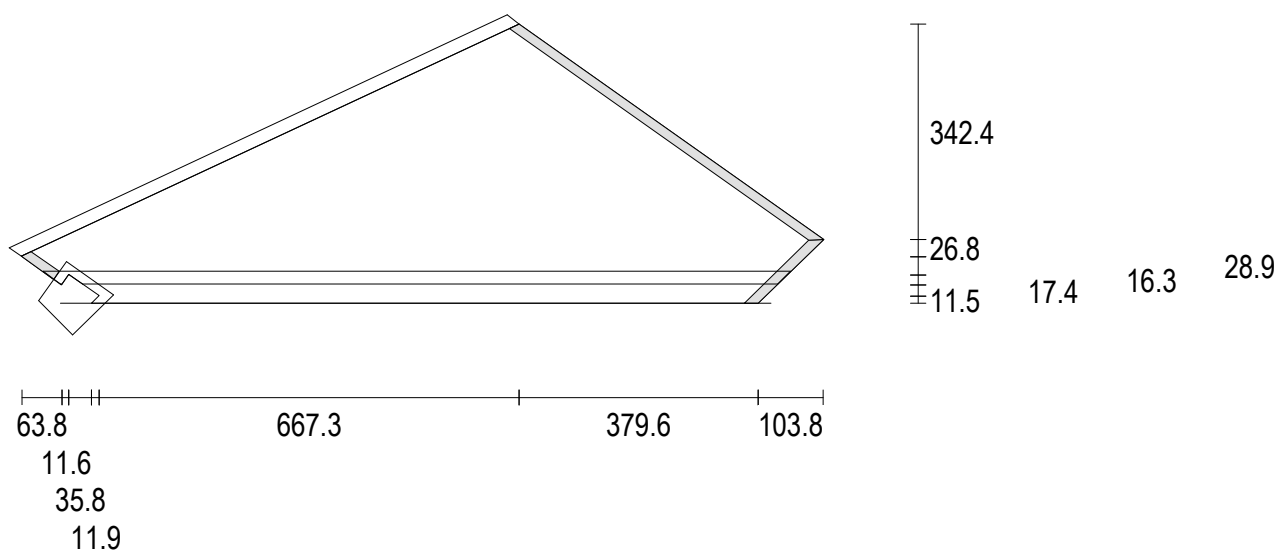
Width : 826.8 Height : 198.3 Thickness : 20.0 Angle : -22.19



Step : 1273.7 x 443.3

Riser

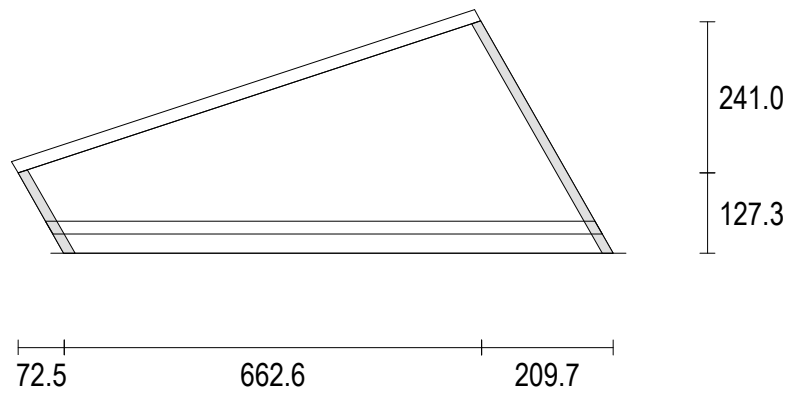
Width : 1187.2 Height : 198.3 Thickness : 20.0 Angle R:-45.81 ; L:54.69



Step : 944.7 x 368.3

Riser

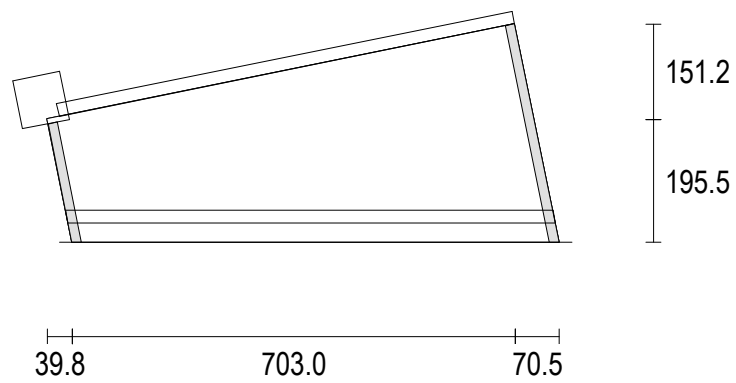
Width : 883.6 Height : 198.3 Thickness : 20.0 Angle : 29.65



Step : 813.3 x 346.6

Riser

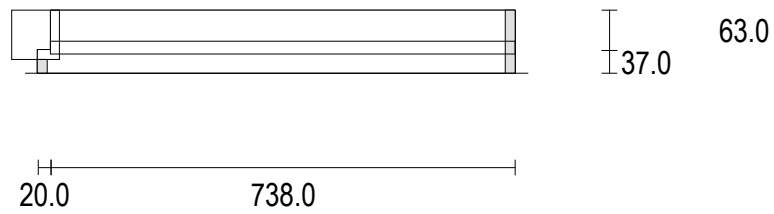
Width : 777.6 Height : 198.3 Thickness : 20.0 Angle : 11.50



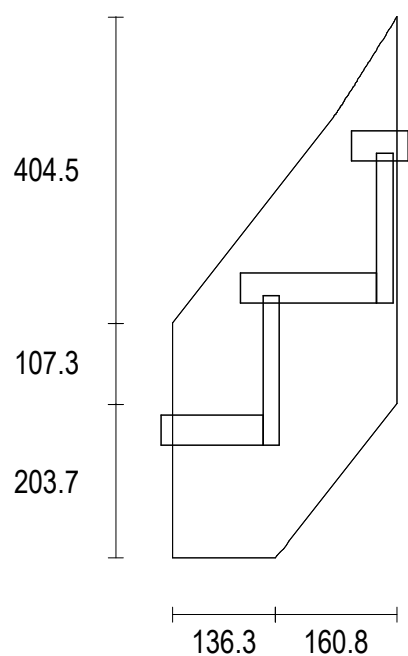
Landing Step

Riser

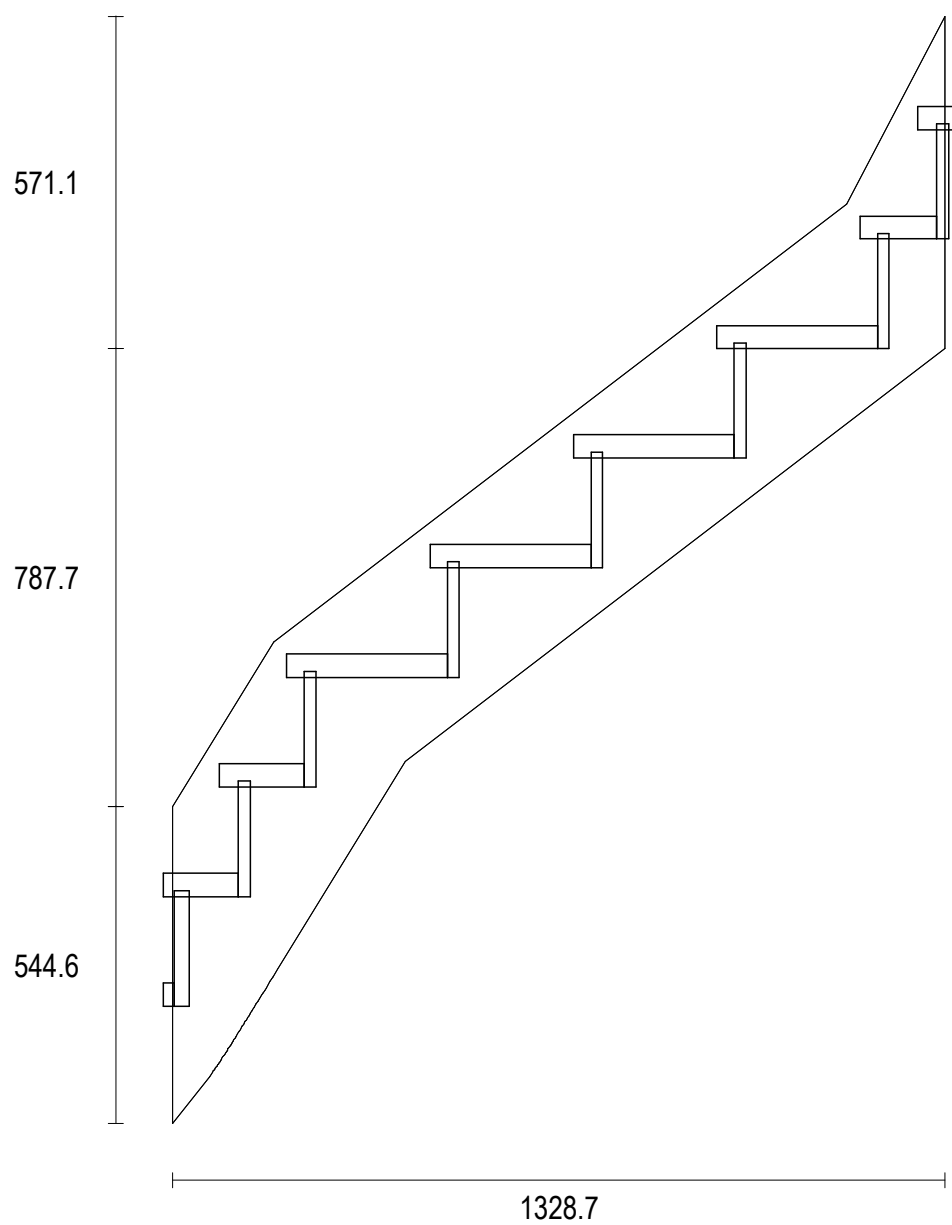
Width : 738.0 Height : 198.3 Thickness : 20.0 Angle R:2.31 ; L:-177.69



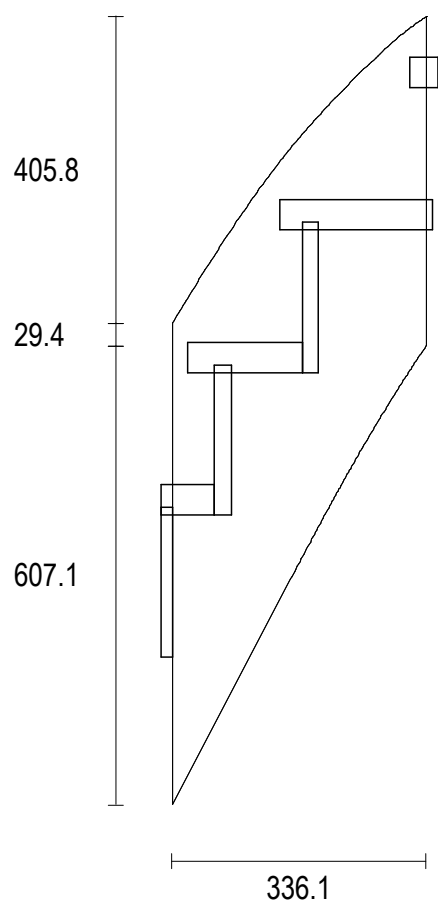
Dimensions : 715.5 x 297.1 (90.0°)



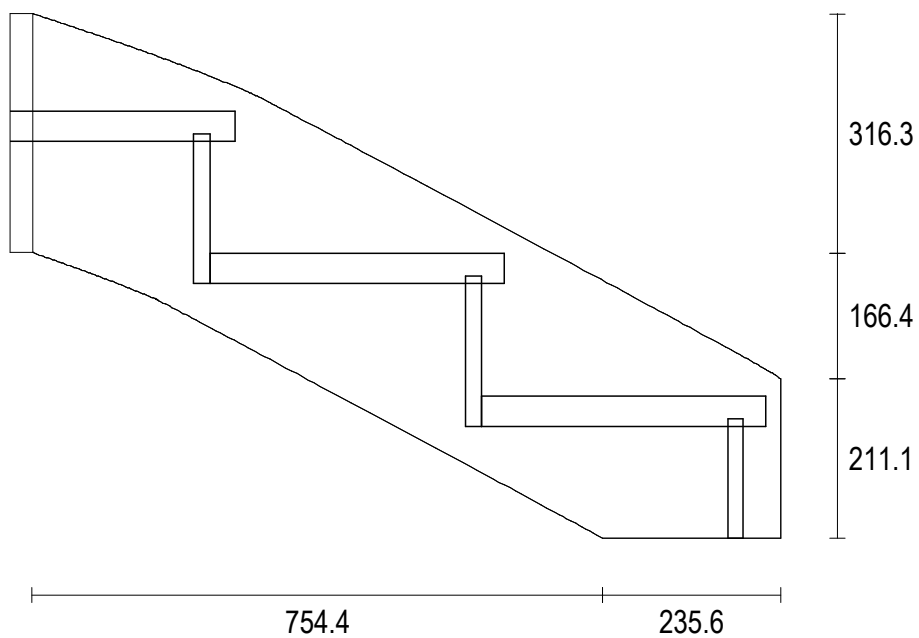
Dimensions : 2286.0 x 461.5 (45.1°)



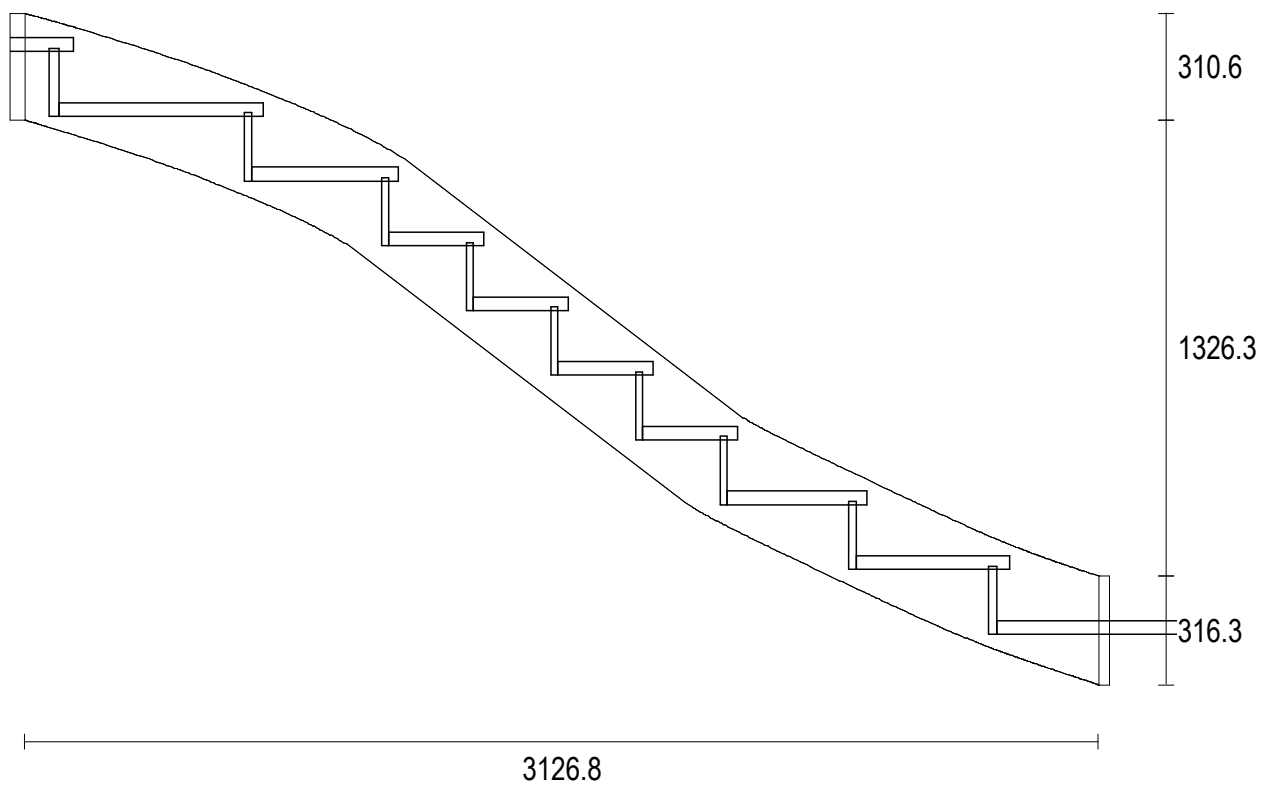
Dimensions : 1074.7 x 308.2 (61.0°)



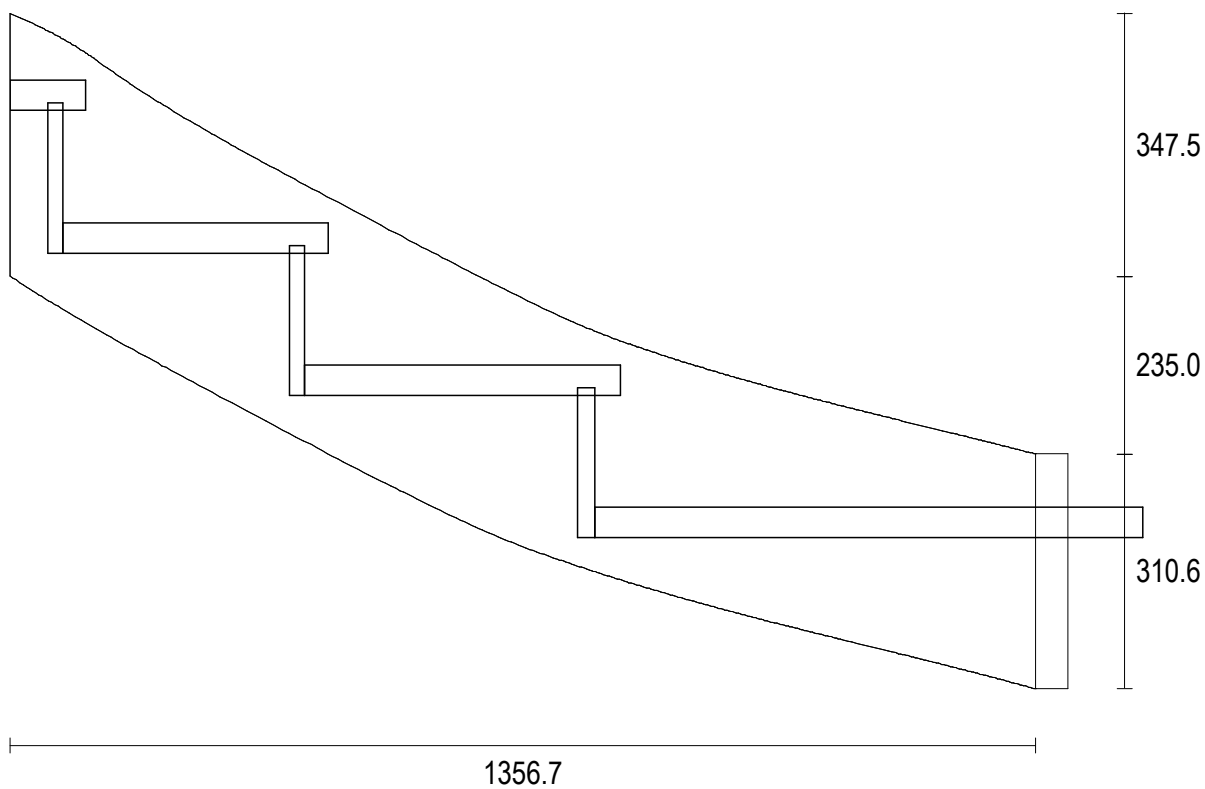
Dimensions : 1220.0 x 328.3 (25.7°)



Dimensions : 3747.1 x 469.9 (29.6°)



Dimensions : 1635.7 x 390.7 (22.6°)



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Newel Post : 1

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Scale : 1/15

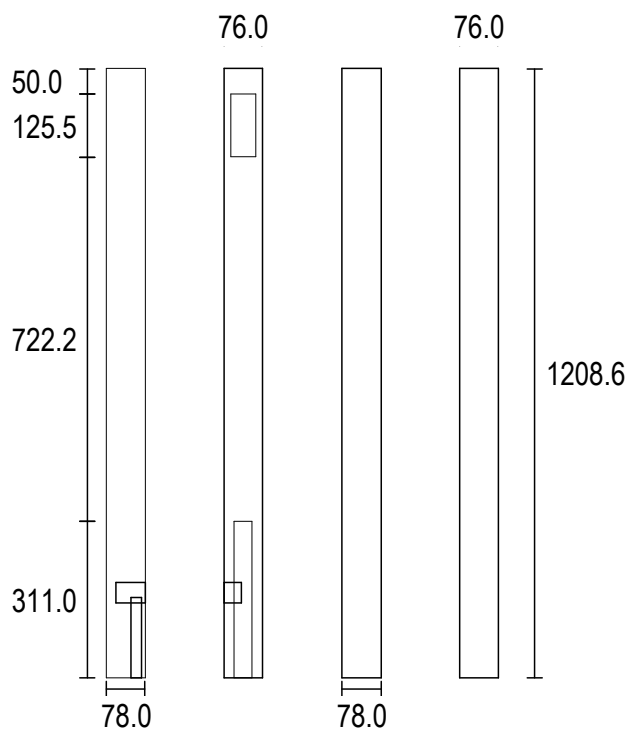
Extremity Newel Post Left Stringboard Flight : 1

Top View

Height : 1208.6

Step 1 Height : 188.3

Front 2 : Stringboard : 0.00 / 51.92 Handrail : 48.33 / 51.88



Corner Newel Post Left Stringboard Flight : 1-2

Top View

Height : 1613.2

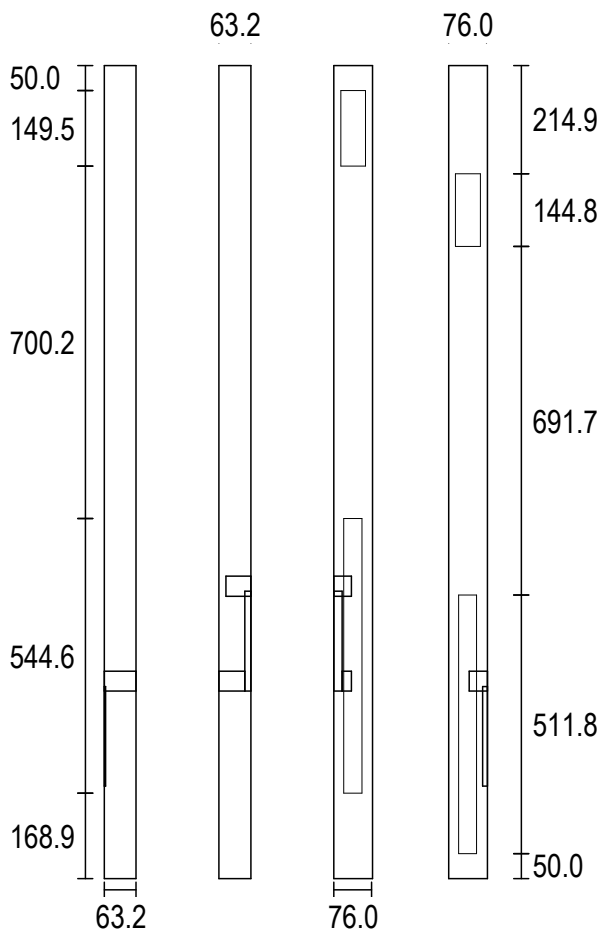
Angle : 100.50

Step 3 Height : 411.3

Step 4 Height : 599.6

Front 3 : Stringboard : 51.92 / 58.46 Handrail : 57.47 / 57.83

Front 4 : Stringboard : 51.92 / 58.40 Handrail : 53.71 / 57.37



Corner Newel Post Left Stringboard Flight : 2-3

Top View

Height : 1766.9

Angle : 79.50

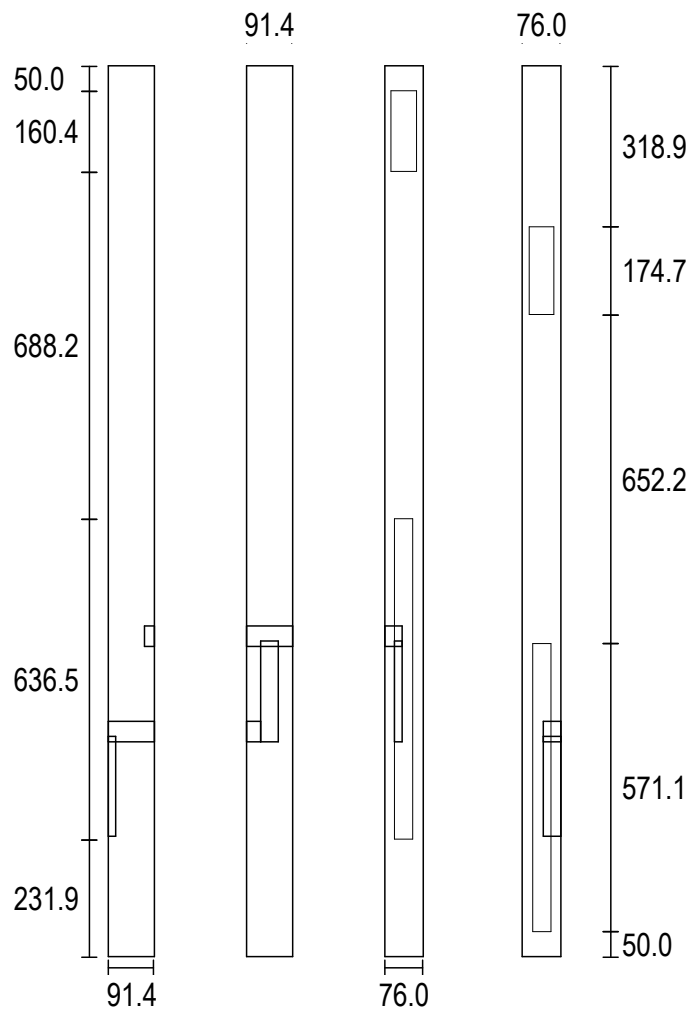
Step 11 Height : 466.7

Step 12 Height : 655.1



Front 3 : Stringboard : 62.34 / 59.50 Handrail : 60.58 / 59.09

Front 4 : Stringboard : 37.37 / 62.34 Handrail : 66.34 / 61.43



Extremity Newel Post Left Stringboard Flight : 3

Top View

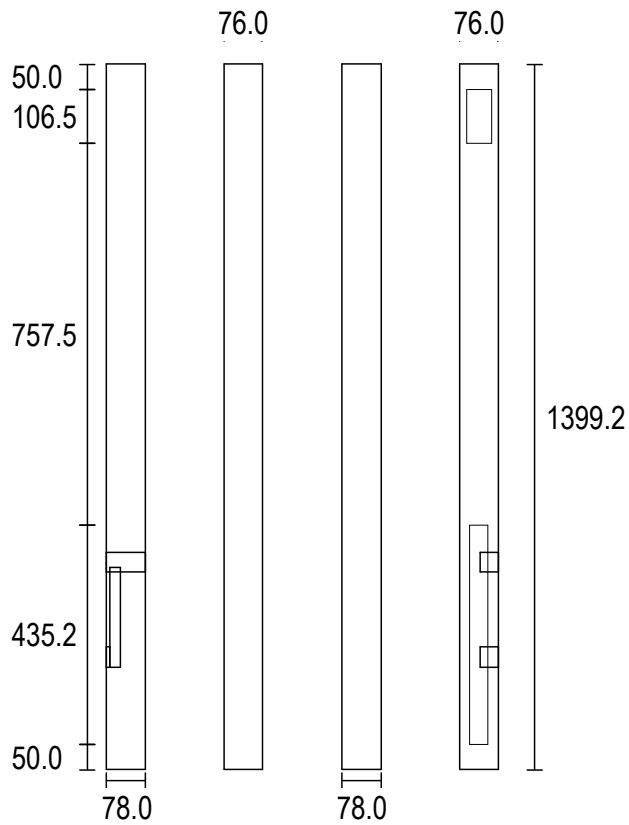
Height : 1399.2

Step 14 Height : 242.8

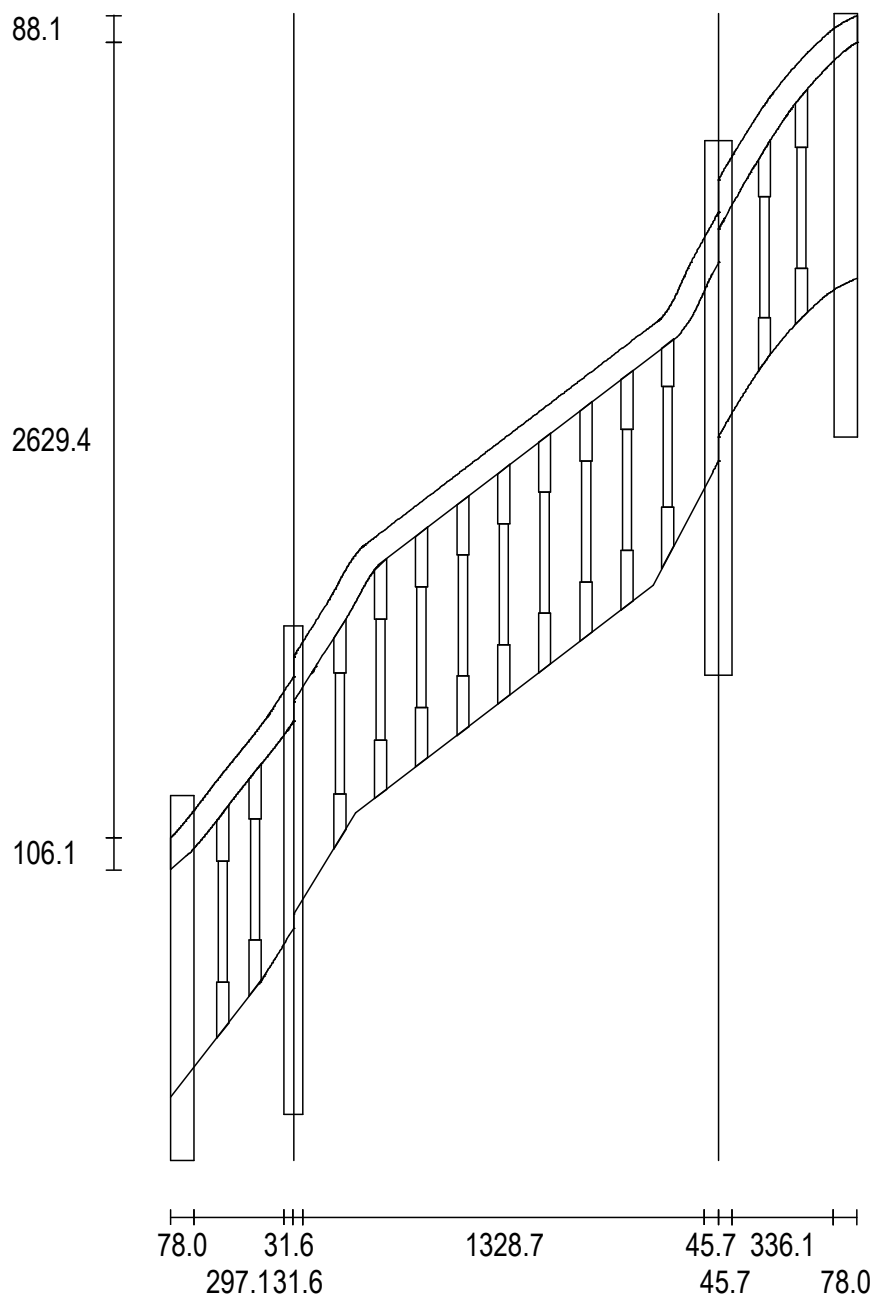
Step 15 Height : 431.1



Front 4 : Stringboard : 55.70 / 32.56 Handrail : 43.26 / 36.53



Dimensions : 3618.8 x 308.8 (48.0°)



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Banister : 1-3

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Banister : 1

Flight : 1

Position : 172.0

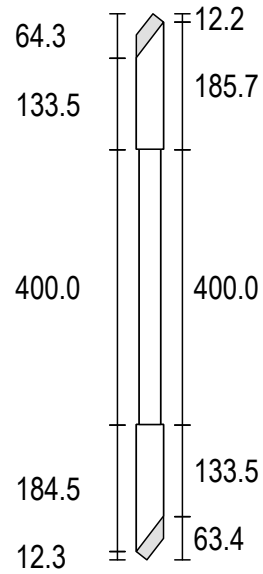
Height from Ground Level : 405.5

Angle : 52.58 / 51.92

Height : 794.7

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 2

Flight : 1

Position : 281.1

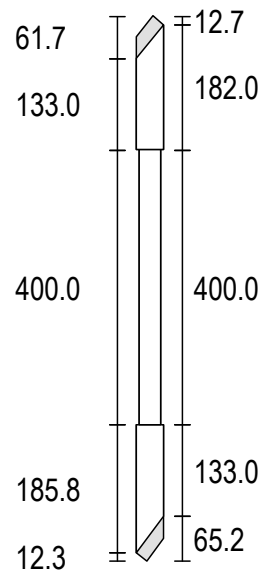
Height from Ground Level : 544.6

Angle : 50.74 / 51.92

Height : 792.8

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 3

Flight : 2

Position : 152.5

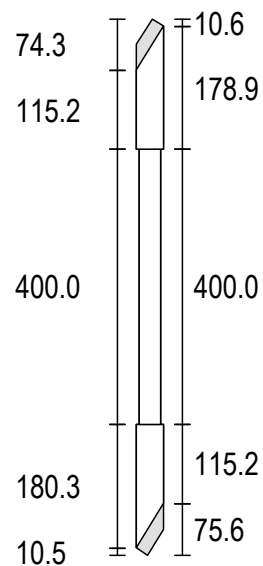
Height from Ground Level : 1031.5

Angle : 57.86 / 58.46

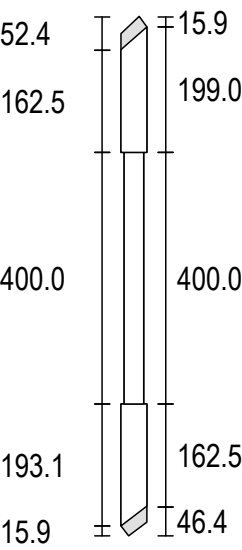
Height : 780.3

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 4
Flight : 2
Position : 288.3
Height from Ground Level : 1198.5
Angle : 37.37
Height : 823.9
Shaft Diameter : 30.0
Base Section : 40.0



Banister : 5

Flight : 2

Position : 424.2

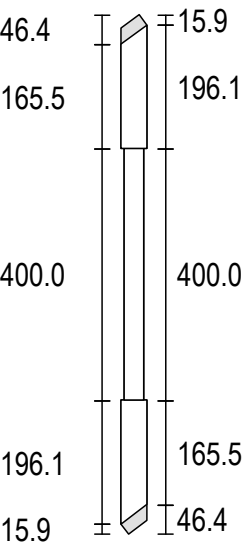
Height from Ground Level : 1302.2

Angle : 37.37

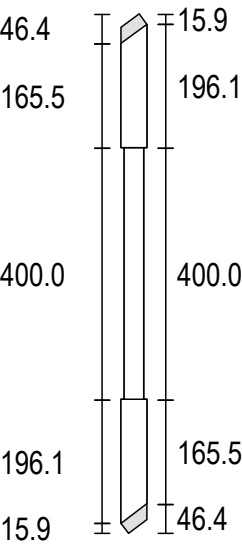
Height : 823.9

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 6
Flight : 2
Position : 560.1
Height from Ground Level : 1406.0
Angle : 37.37
Height : 823.9
Shaft Diameter : 30.0
Base Section : 40.0



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Banister : 10-12

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Banister : 10

Flight : 2

Position : 1103.5

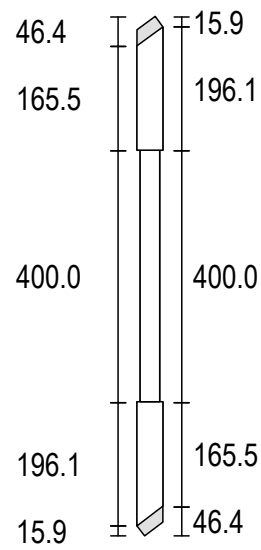
Height from Ground Level : 1821.1

Angle : 37.37

Height : 823.9

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 11

Flight : 2

Position : 1239.4

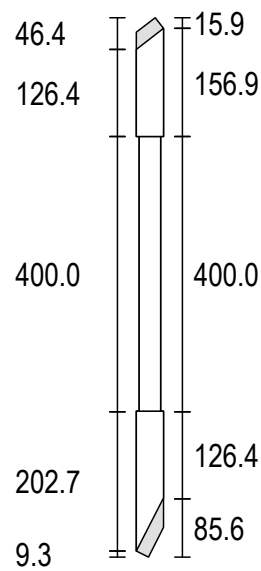
Height from Ground Level : 1957.3

Angle : 37.37 / 62.34

Height : 784.8

Shaft Diameter : 30.0

Base Section : 40.0



Banister : 12

Flight : 3

Position : 152.7

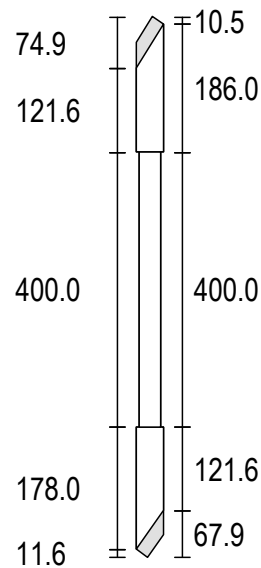
Height from Ground Level : 2611.2

Angle : 58.19 / 54.70

Height : 786.1

Shaft Diameter : 30.0

Base Section : 40.0



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Banister : 13

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Banister : 13

Flight : 3

Position : 274.7

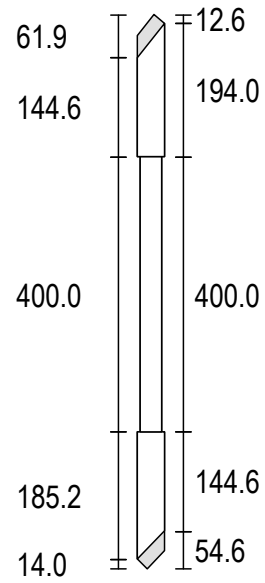
Height from Ground Level : 2765.0

Angle : 51.09 / 45.48

Height : 805.8

Shaft Diameter : 30.0

Base Section : 40.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	958.0 x 379.5 x 40.0	0.0145 m ³	0.0106 m ³
Step 2	1061.6 x 384.3 x 40.0	0.0163 m ³	0.0109 m ³
Step 3	1156.1 x 417.8 x 40.0	0.0193 m ³	0.0124 m ³
Step 4	1043.8 x 359.0 x 40.0	0.0150 m ³	0.0090 m ³
Step 5	853.1 x 388.6 x 40.0	0.0133 m ³	0.0084 m ³
Step 6	758.0 x 276.6 x 40.0	0.0084 m ³	0.0084 m ³
Step 7	758.0 x 276.6 x 40.0	0.0084 m ³	0.0084 m ³
Step 8	758.0 x 276.6 x 40.0	0.0084 m ³	0.0084 m ³
Step 9	758.0 x 276.6 x 40.0	0.0084 m ³	0.0084 m ³
Step 10	758.0 x 434.2 x 40.0	0.0132 m ³	0.0085 m ³
Step 11	1046.3 x 558.3 x 40.0	0.0234 m ³	0.0111 m ³
Step 12	1273.7 x 443.3 x 40.0	0.0226 m ³	0.0130 m ³
Step 13	944.7 x 368.3 x 40.0	0.0139 m ³	0.0086 m ³
Step 14	813.3 x 346.6 x 40.0	0.0113 m ³	0.0084 m ³
Step 15	758.0 x 100.0 x 40.0	0.0030 m ³	0.0030 m ³
Riser 1	938.0 x 158.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 2	983.8 x 198.3 x 20.0	0.0039 m ³	0.0039 m ³
Riser 3	1055.0 x 198.3 x 20.0	0.0042 m ³	0.0041 m ³
Riser 4	972.9 x 198.3 x 20.0	0.0039 m ³	0.0038 m ³
Riser 5	812.8 x 198.3 x 20.0	0.0032 m ³	0.0032 m ³
Riser 6	758.0 x 198.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 7	758.0 x 198.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 8	758.0 x 198.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 9	758.0 x 198.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 10	758.0 x 198.3 x 20.0	0.0030 m ³	0.0030 m ³
Riser 11	826.8 x 198.3 x 20.0	0.0033 m ³	0.0032 m ³
Riser 12	1187.2 x 198.3 x 20.0	0.0047 m ³	0.0046 m ³
Riser 13	883.6 x 198.3 x 20.0	0.0035 m ³	0.0035 m ³
Riser 14	777.6 x 198.3 x 20.0	0.0031 m ³	0.0031 m ³
Riser 15	738.0 x 198.3 x 20.0	0.0029 m ³	0.0029 m ³
Right Stringboard 1	1220.0 x 328.3 x 36.0	0.0144 m ³	0.0116 m ³
Right Stringboard 2	3747.1 x 469.9 x 36.0	0.0634 m ³	0.0389 m ³
Right Stringboard 3	1635.7 x 390.7 x 36.0	0.0230 m ³	0.0162 m ³
Left Stringboard 1	715.5 x 297.1 x 36.0	0.0077 m ³	0.0048 m ³
Left Stringboard 2	2286.0 x 461.5 x 36.0	0.0380 m ³	0.0206 m ³
Left Stringboard 3	1074.7 x 308.2 x 36.0	0.0119 m ³	0.0067 m ³
Left Handrail 1	593.0 x 87.4 x 50.0	0.0026 m ³	0.0019 m ³
Left Handrail 2	1985.1 x 203.7 x 50.0	0.0202 m ³	0.0076 m ³
Left Handrail 3	668.9 x 103.4 x 50.0	0.0035 m ³	0.0023 m ³
Newel Post 1	78.0 x 76.0 x 1208.6	0.0072 m ³	0.0072 m ³
Newel Post 2	76.0 x 74.7 x 1613.2	0.0092 m ³	0.0077 m ³
Newel Post 3	91.4 x 89.8 x 1766.9	0.0145 m ³	0.0123 m ³
Newel Post 4	78.0 x 76.0 x 1399.2	0.0083 m ³	0.0083 m ³
Banister 1	40.0 x 40.0 x 794.7	0.0013 m ³	0.0009 m ³
Banister 2	40.0 x 40.0 x 792.8	0.0013 m ³	0.0009 m ³
Banister 3	40.0 x 40.0 x 780.3	0.0012 m ³	0.0008 m ³
Banister 4	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 5	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 6	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³

Piece	Dimensions	Cutting List Volume	Real Volume
Banister 7	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 8	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 9	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 10	40.0 x 40.0 x 823.9	0.0013 m ³	0.0009 m ³
Banister 11	40.0 x 40.0 x 784.8	0.0013 m ³	0.0009 m ³
Banister 12	40.0 x 40.0 x 786.1	0.0013 m ³	0.0009 m ³
Banister 13	40.0 x 40.0 x 805.8	0.0013 m ³	0.0009 m ³

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.1993 m ³	0.1375 m ³		
Risers	0.0507 m ³	0.0503 m ³		
Stringboards	0.1584 m ³	0.0988 m ³		
Handrails	0.0263 m ³	0.0118 m ³		
Newel Posts	0.0391 m ³	0.0355 m ³		
Banisters	0.0168 m ³	0.0117 m ³		
Total	0.4906 m³	0.3456 m³		