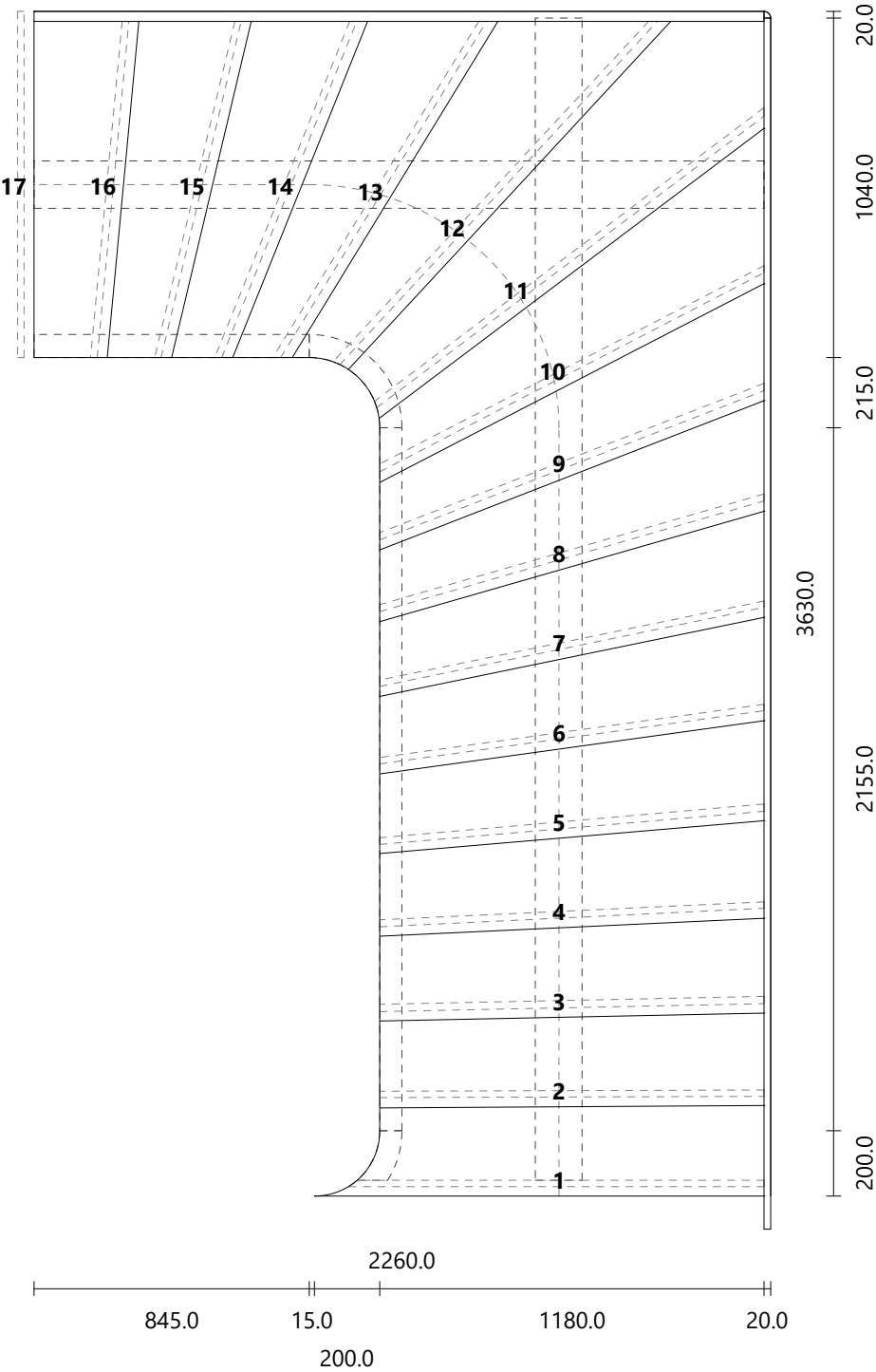


Multi-Flight Stair		Riser Height	150.0 mm
Risers	17	Tread Width	274.1 mm
Floor Height	2550.0 mm	Stair Rule	574.1 mm

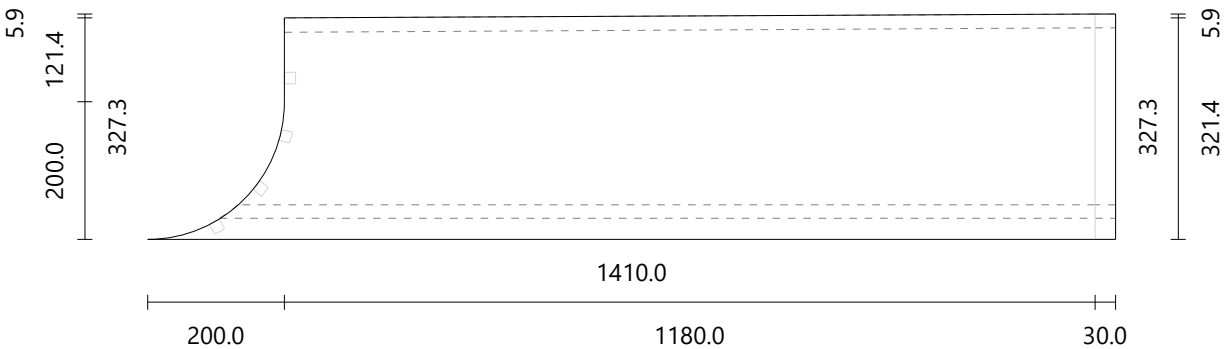


Step

Material Oak
Dimensions 1410.0 × 327.3 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1304.6 × 130.0 mm
Thickness 20.0 mm
Angle Left: -53.4° | Right: 0°

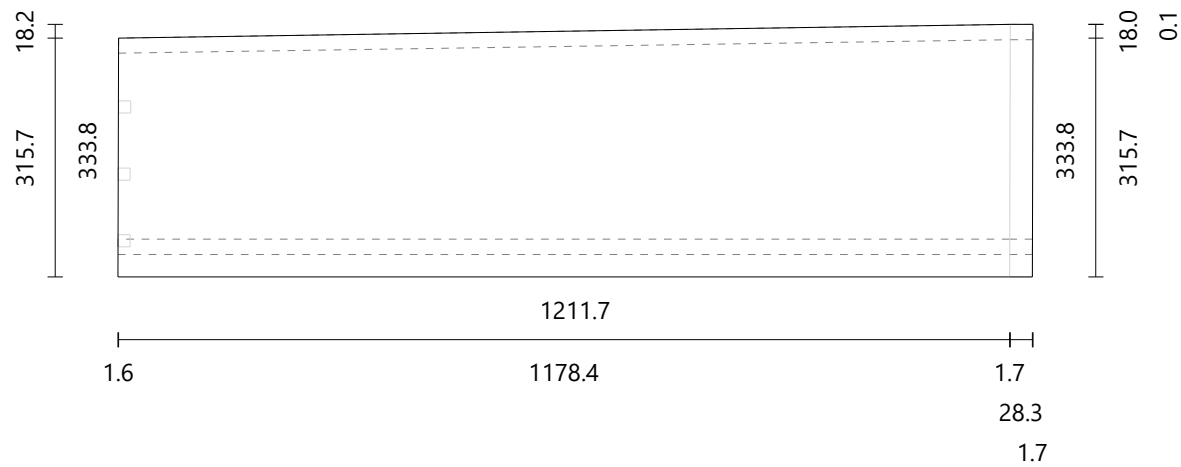


Step

Material Oak
Dimensions 1211.7 × 333.8 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1210.1 × 130.0 mm
Thickness 20.0 mm
Angle -0.28°

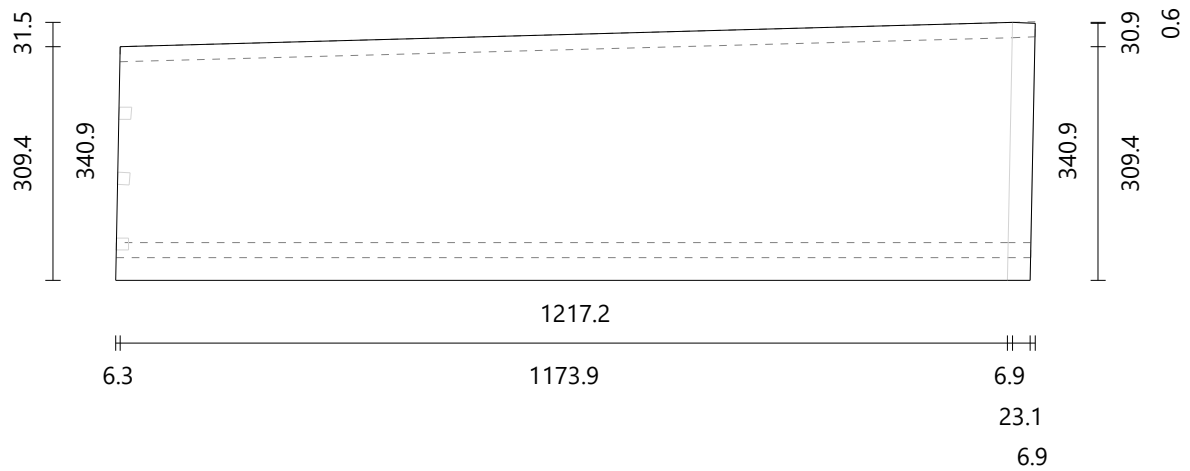


Step

Material Oak
Dimensions 1217.2 × 340.9 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1210.7 × 130.0 mm
Thickness 20.0 mm
Angle -1.17°

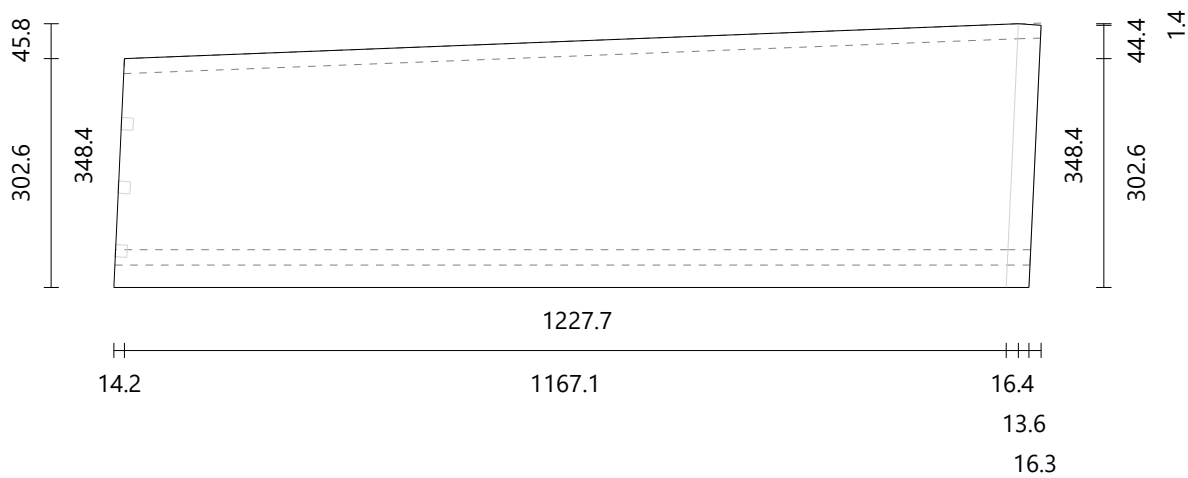


Step

Material Oak
Dimensions 1227.7 × 348.4 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1212.3 × 130.0 mm
Thickness 20.0 mm
Angle -2.69°

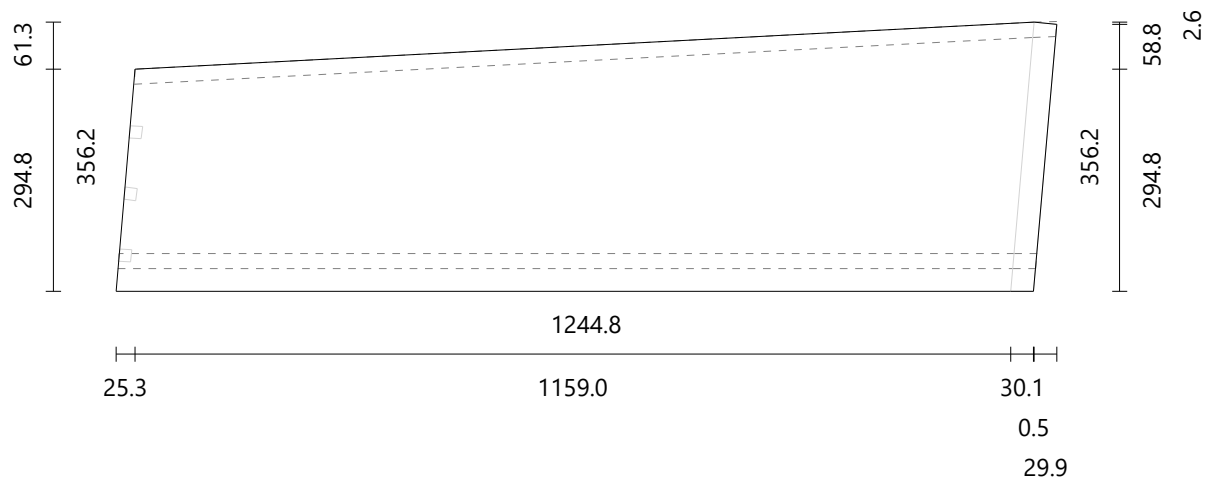


Step

Material Oak
Dimensions 1244.8 × 356.2 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1216.2 × 130.0 mm
Thickness 20.0 mm
Angle -4.91°

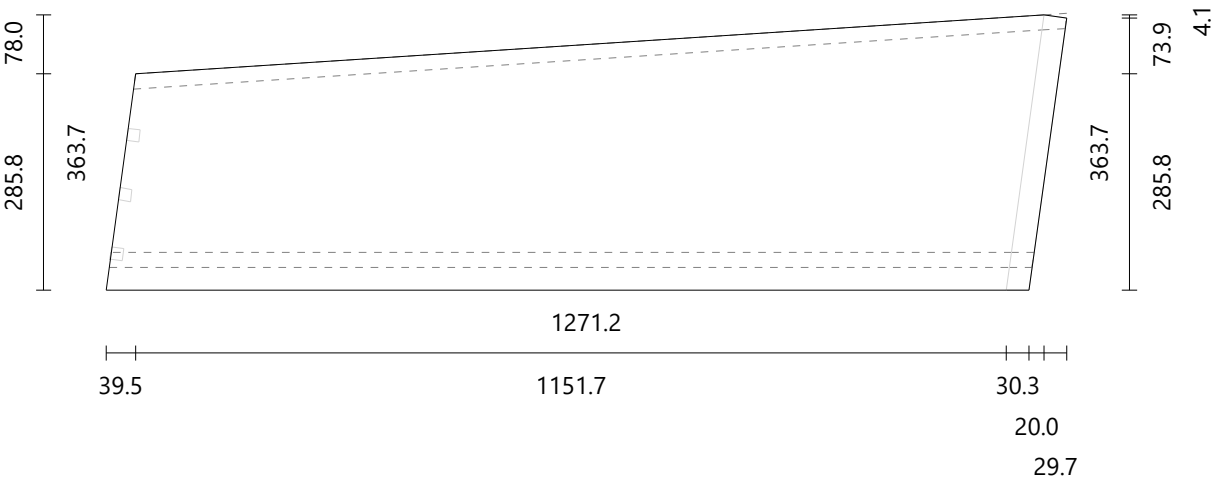


Step

Material Oak
Dimensions 1271.2 × 363.7 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1224.2 × 130.0 mm
Thickness 20.0 mm
Angle -7.86°

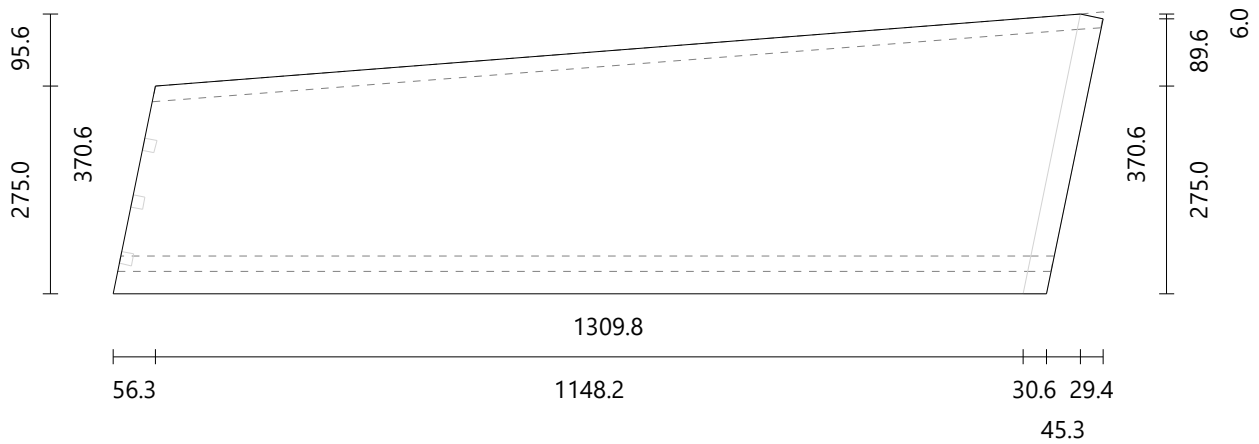


Step

Material Oak
Dimensions 1309.8 × 370.6 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1239.2 × 130.0 mm
Thickness 20.0 mm
Angle -11.58°

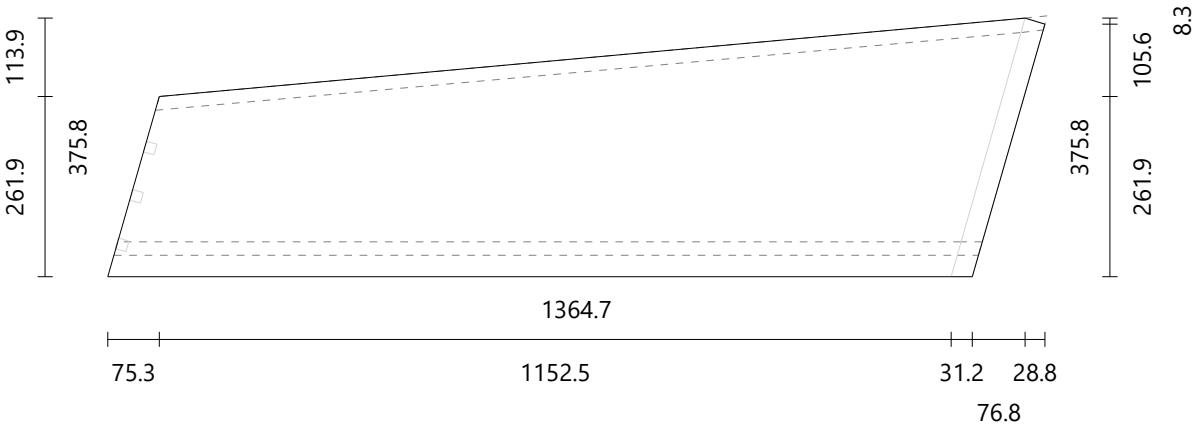


Step

Material Oak
Dimensions 1364.7 × 375.8 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1264.8 × 130.0 mm
Thickness 20.0 mm
Angle -16.04°

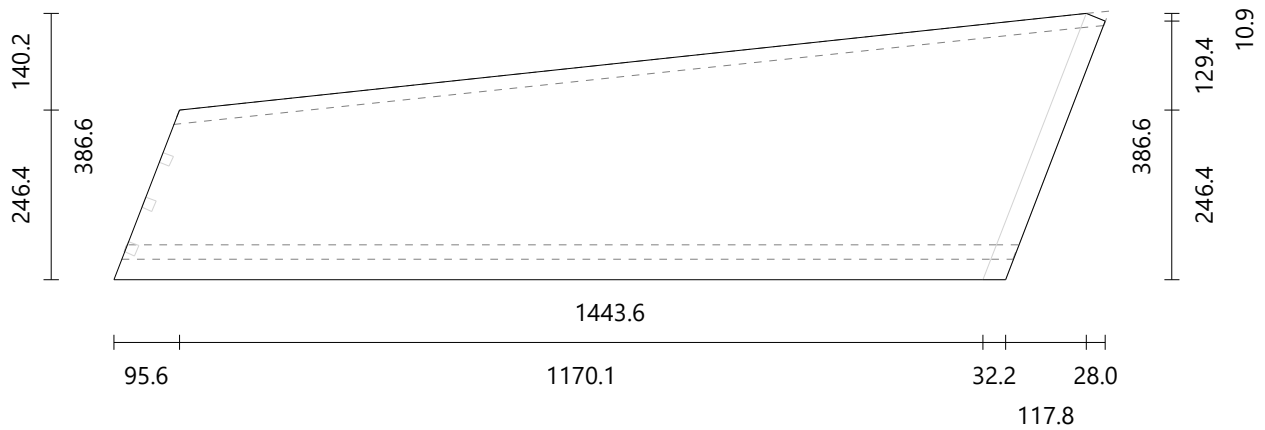


Step

Material Oak
Dimensions 1443.6 × 386.6 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1305.6 × 130.0 mm
Thickness 20.0 mm
Angle -21.2°

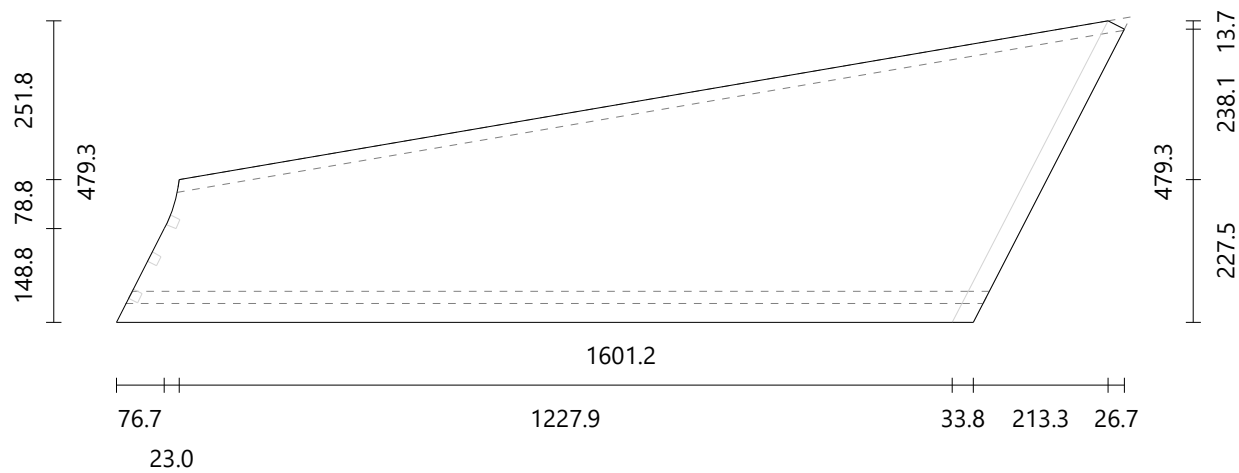


Step

Material Oak
Dimensions 1601.2 × 479.3 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1371.6 × 130.0 mm
Thickness 20.0 mm
Angle -27.27°

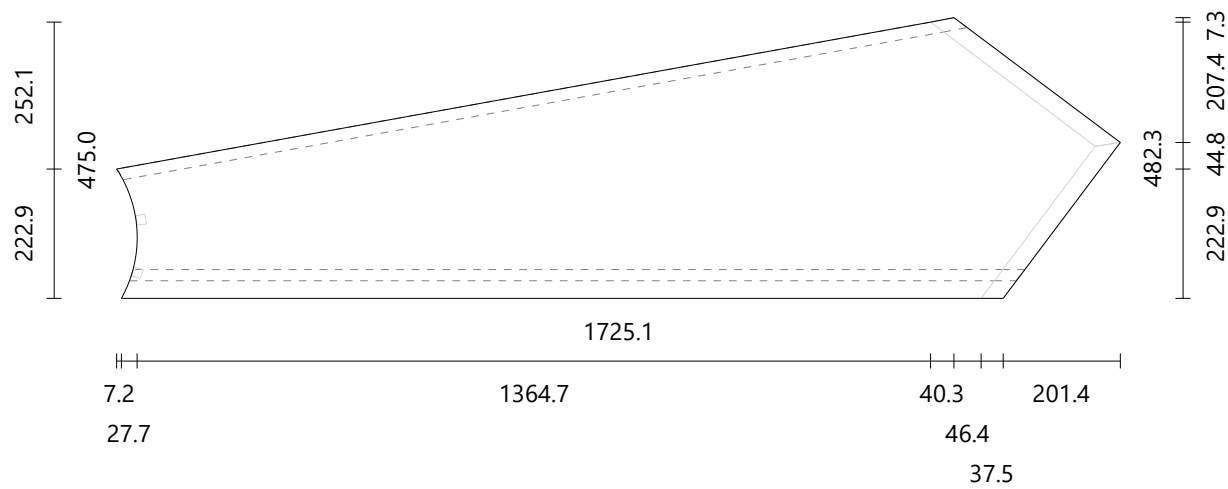


Step

Material Oak
 Dimensions 1725.1 × 482.3 mm
 Thickness 20.0 mm

Riser

Material Oak 2
 Dimensions 1540.2 × 130.0 mm
 Thickness 20.0 mm
 Angle Left: -17.75° | Right: -36.96°

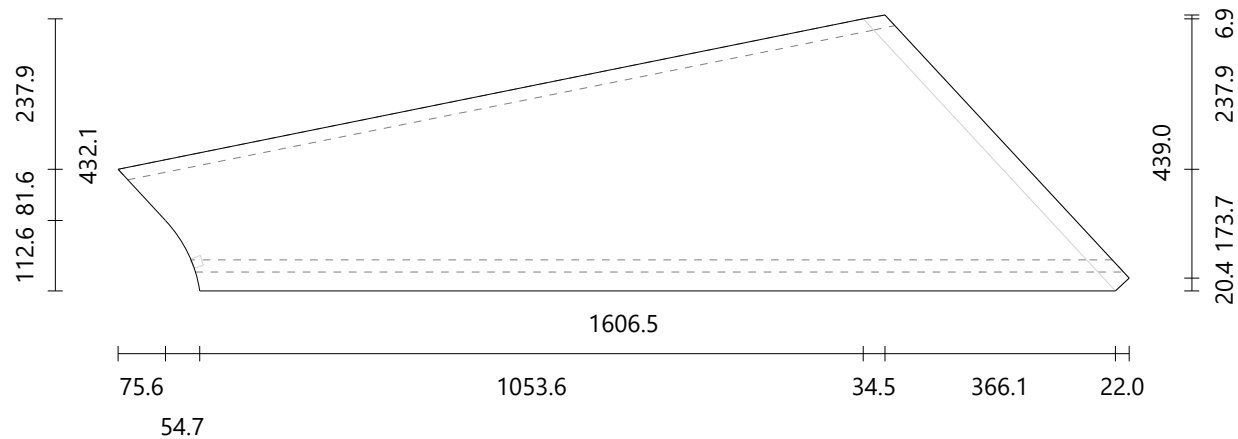


Step

Material Oak
Dimensions 1606.5 × 439.0 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1481.6 × 130.0 mm
Thickness 20.0 mm
Angle Left: 20.04° | Right: 42.83°

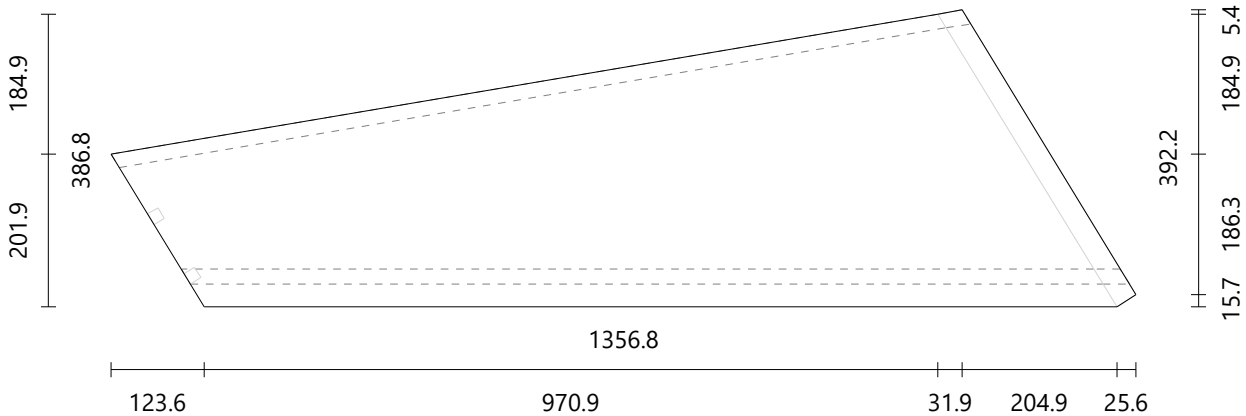


Step

Material Oak
Dimensions 1356.8 × 392.2 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1255.0 × 130.0 mm
Thickness 20.0 mm
Angle 31.47°

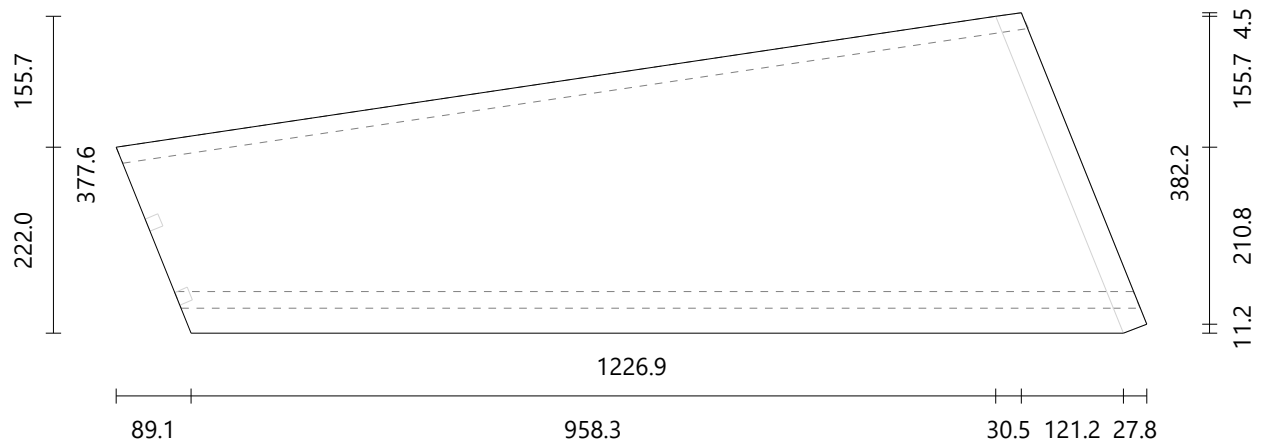


Step

Material Oak
Dimensions 1226.9 × 382.2 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1150.3 × 130.0 mm
Thickness 20.0 mm
Angle 21.88°

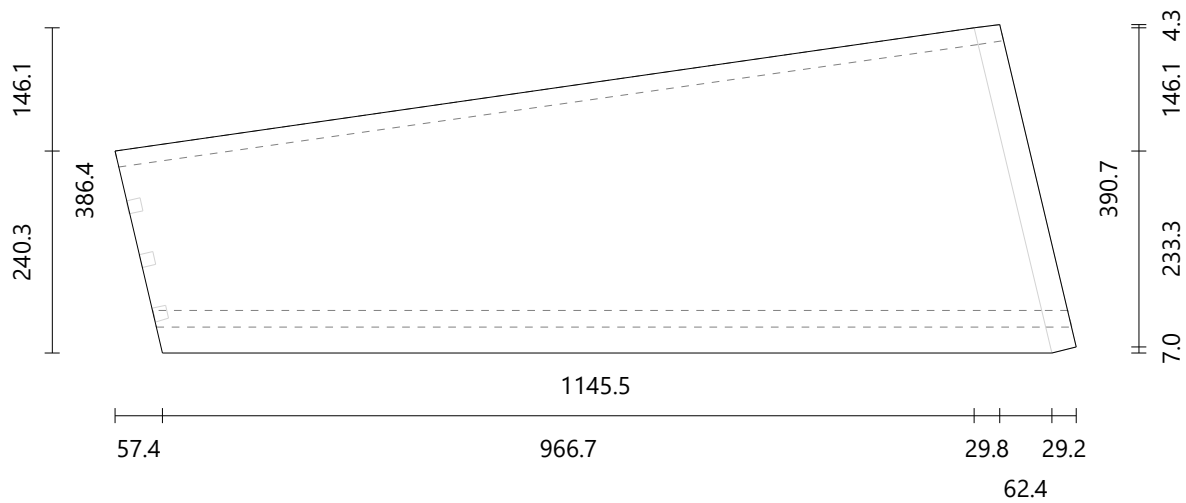


Step

Material Oak
Dimensions 1145.5 × 390.7 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1094.6 × 130.0 mm
Thickness 20.0 mm
Angle 13.43°

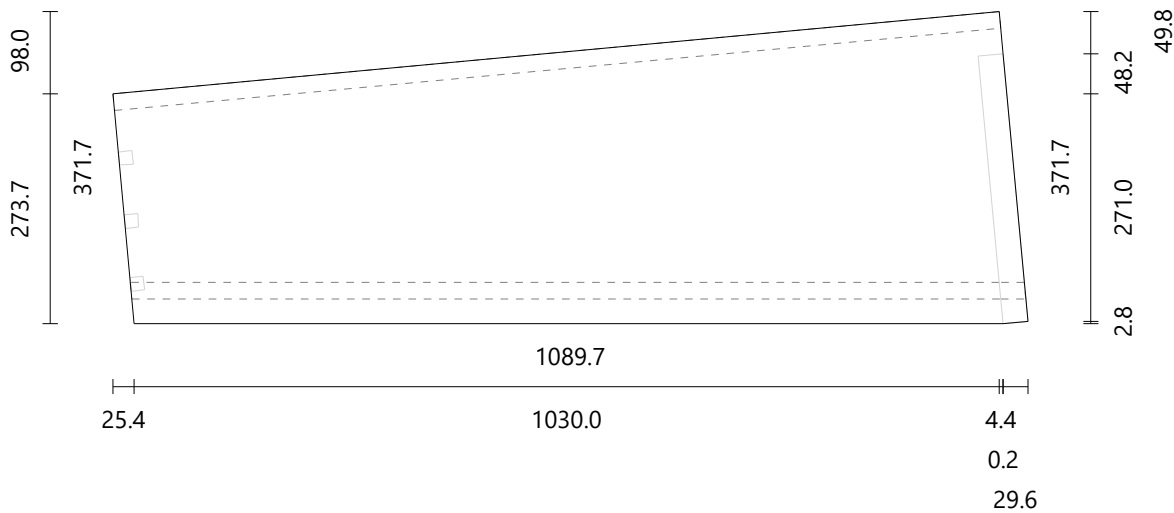


Step

Material Oak
Dimensions 1089.7 × 371.7 mm
Thickness 20.0 mm

Riser

Material Oak 2
Dimensions 1066.4 × 130.0 mm
Thickness 20.0 mm
Angle 5.31°

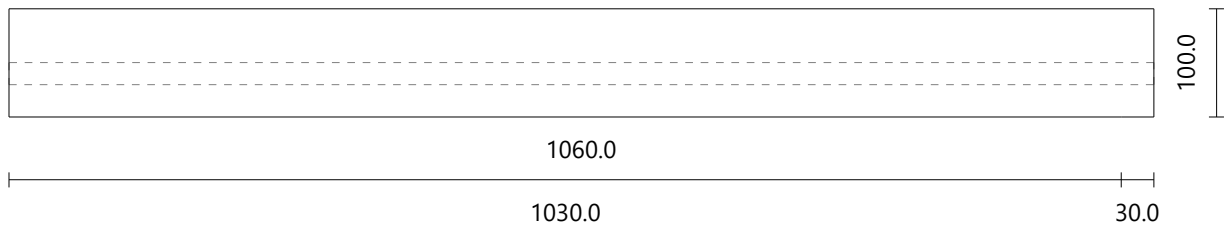


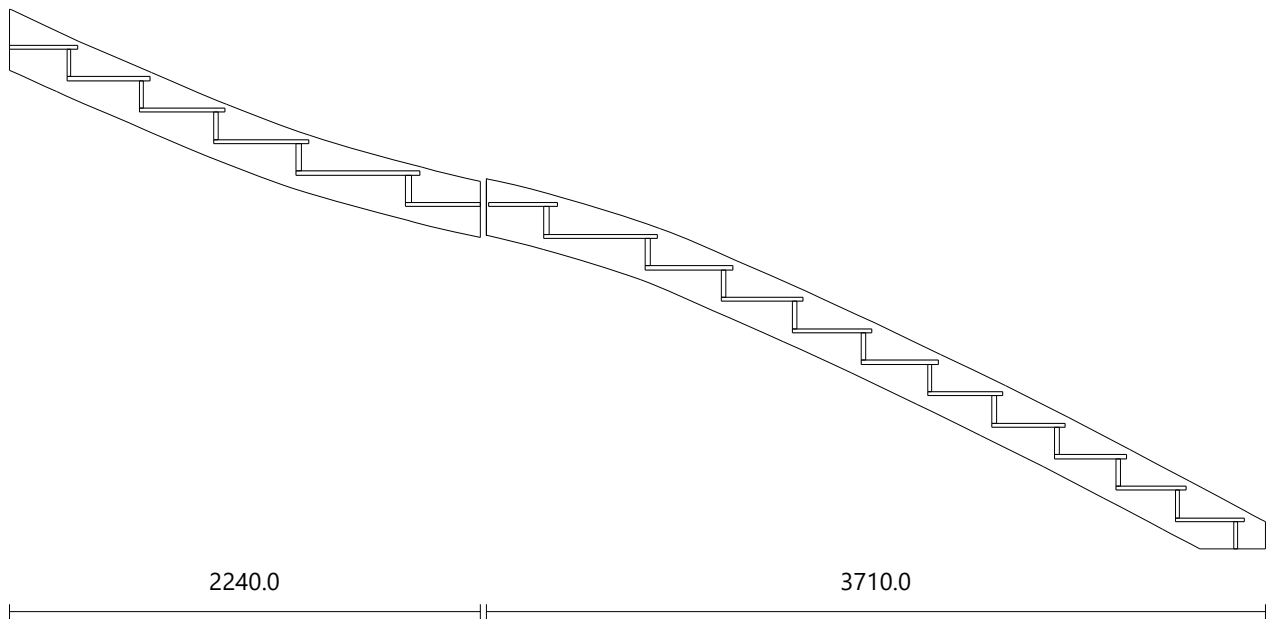
Step

Material Oak
Dimensions 1060.0 × 100.0 mm
Thickness 20.0 mm

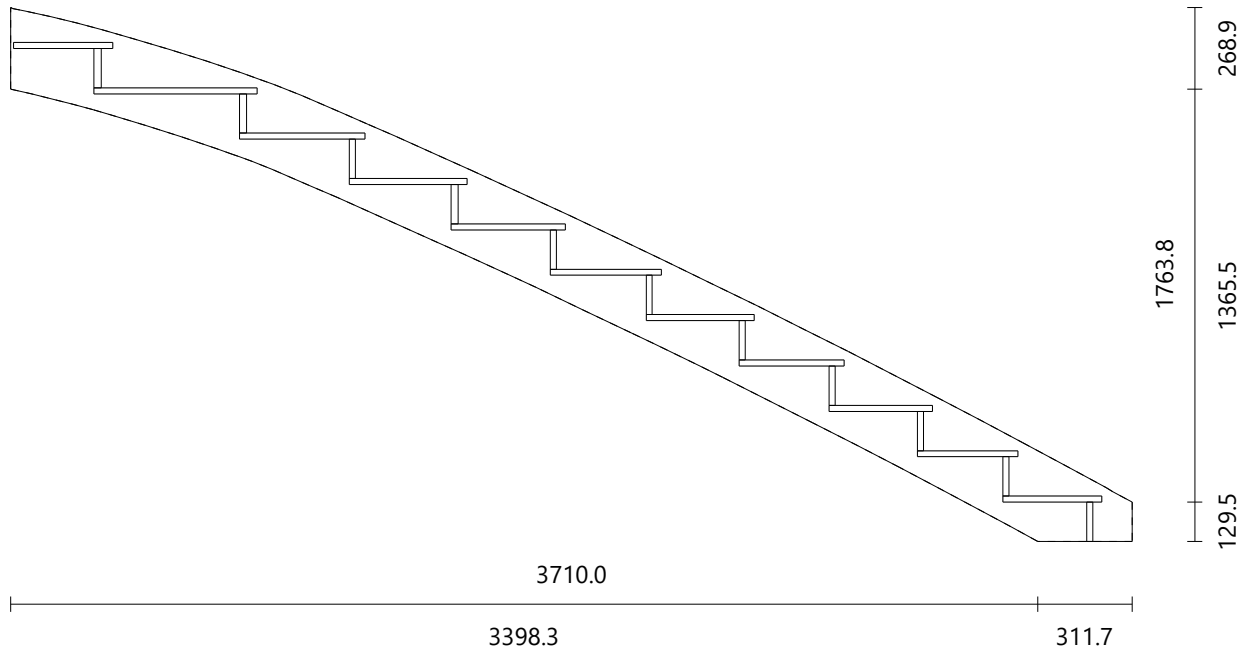
Riser

Material Oak 2
Dimensions 1060.0 × 130.0 mm
Thickness 20.0 mm
Angle 0°

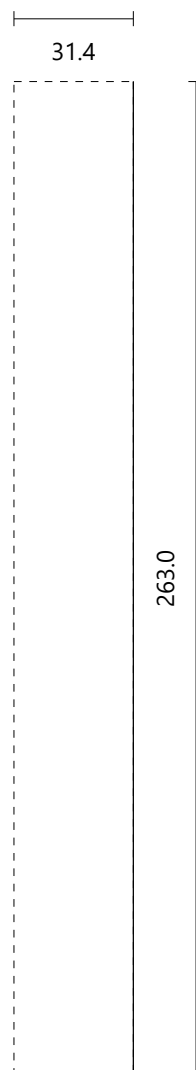




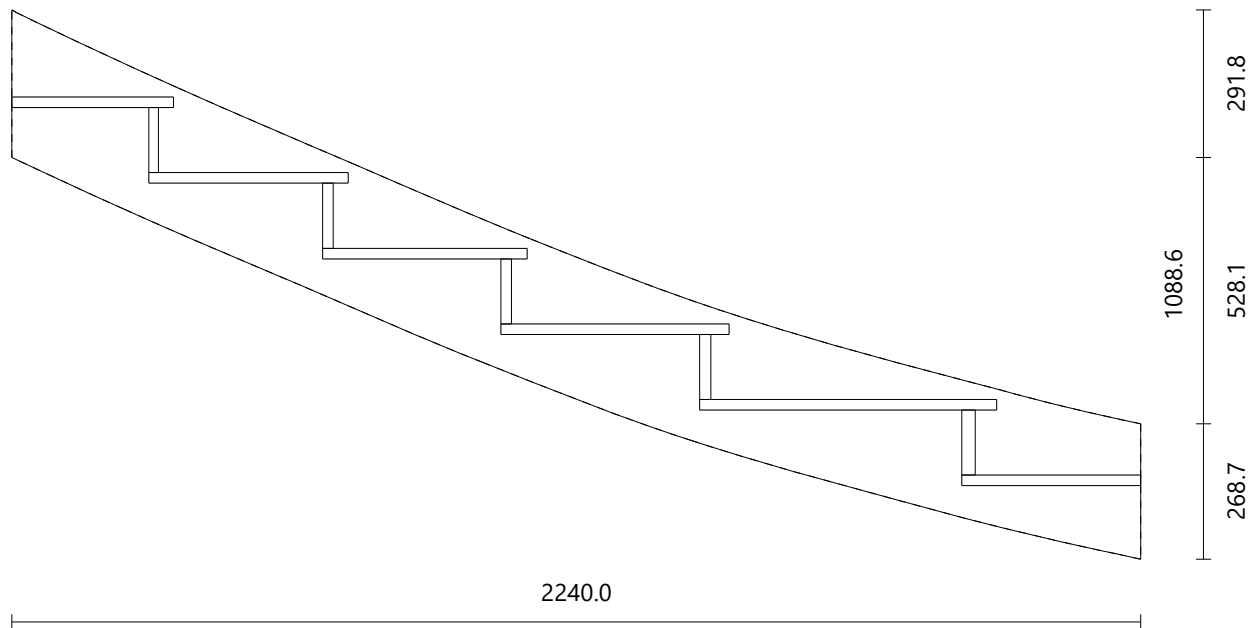
Dimensions 4106.2 × 369.8 mm
Thickness 20.0 mm

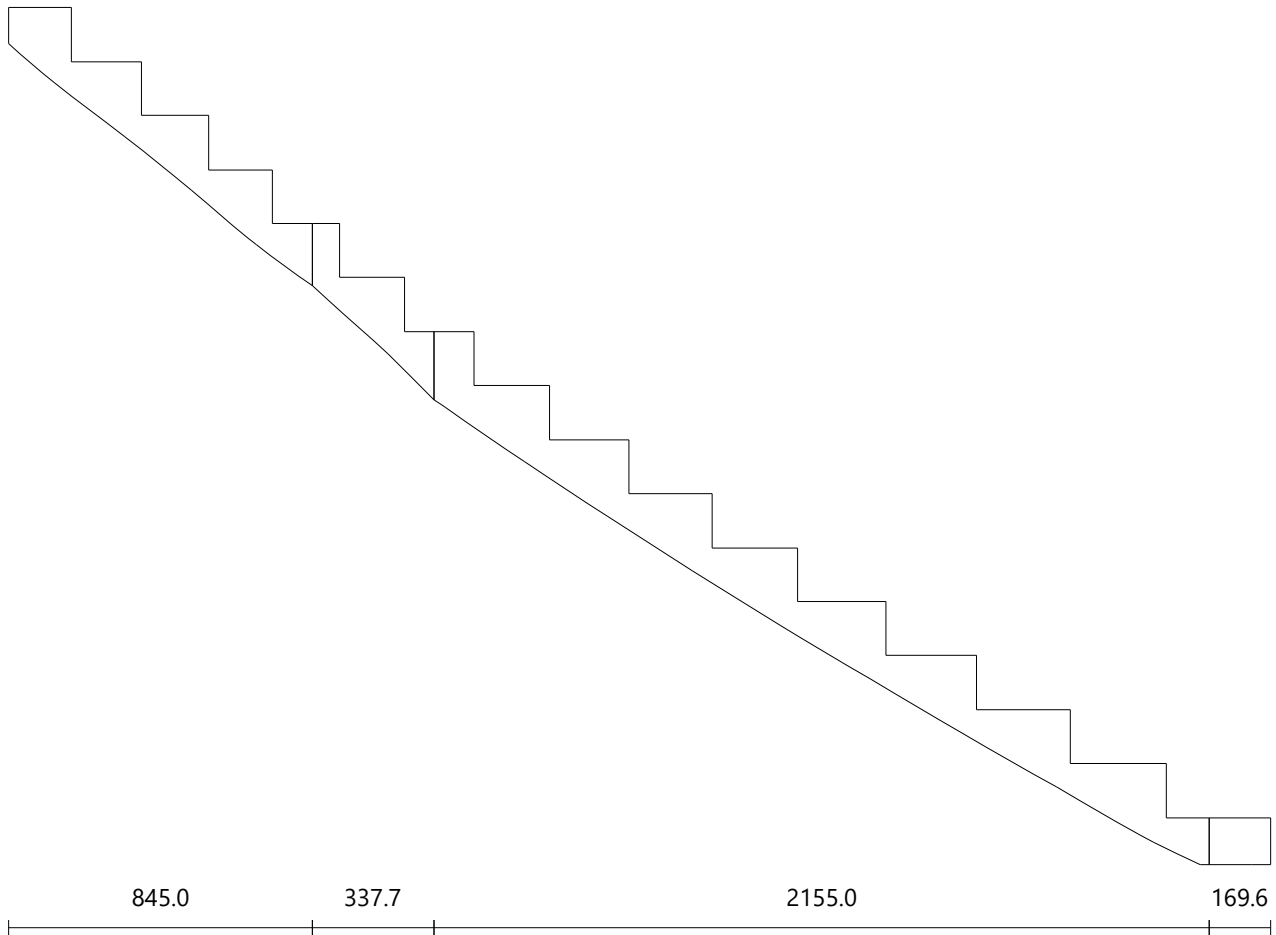


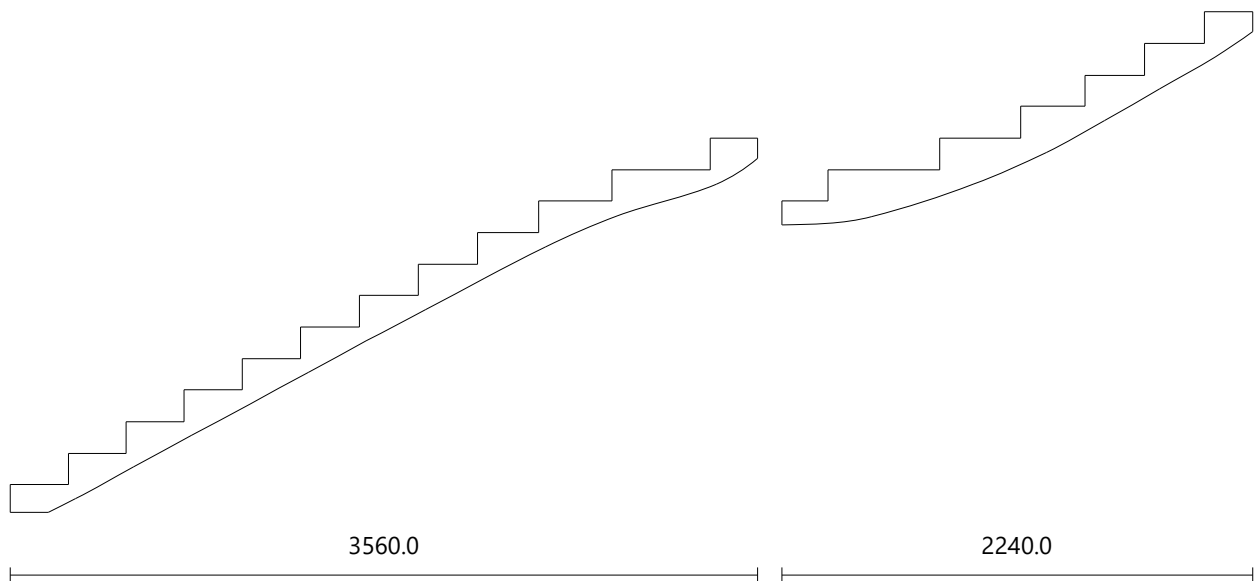
Dimensions 31.4 × 263.0 mm
Thickness 30.0 mm



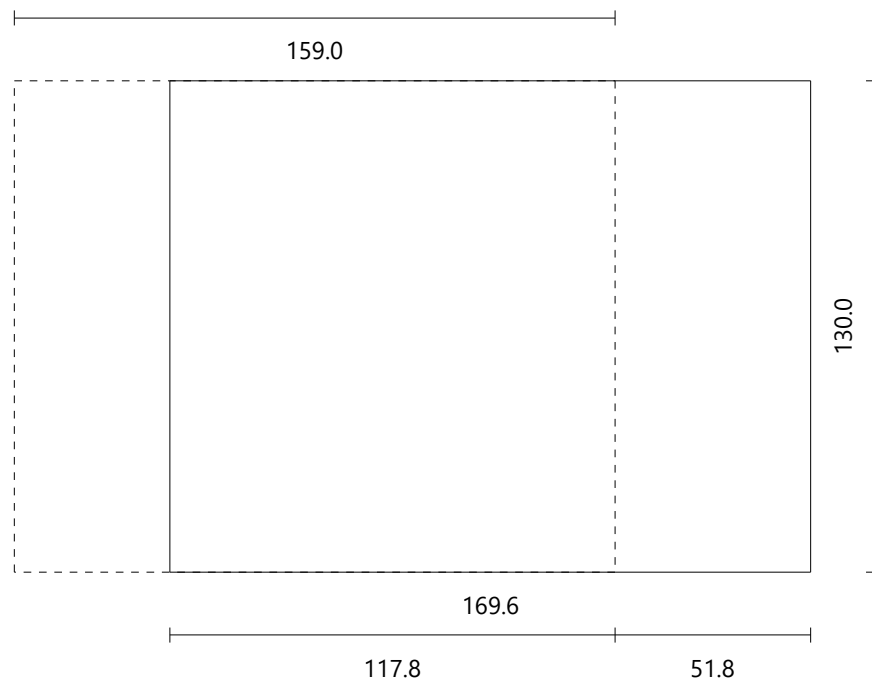
Dimensions 2477.7 × 340.6 mm
Thickness 30.0 mm



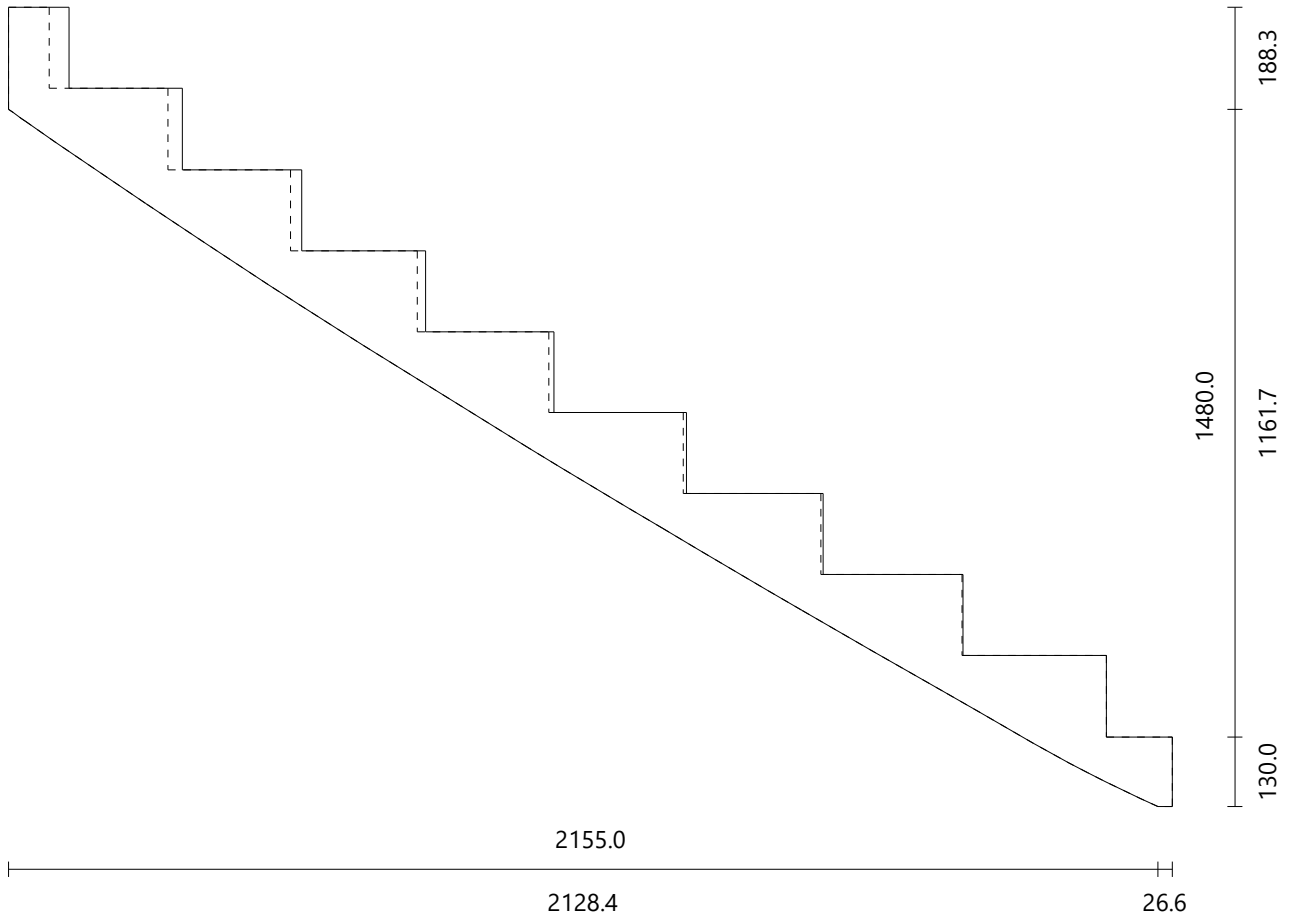




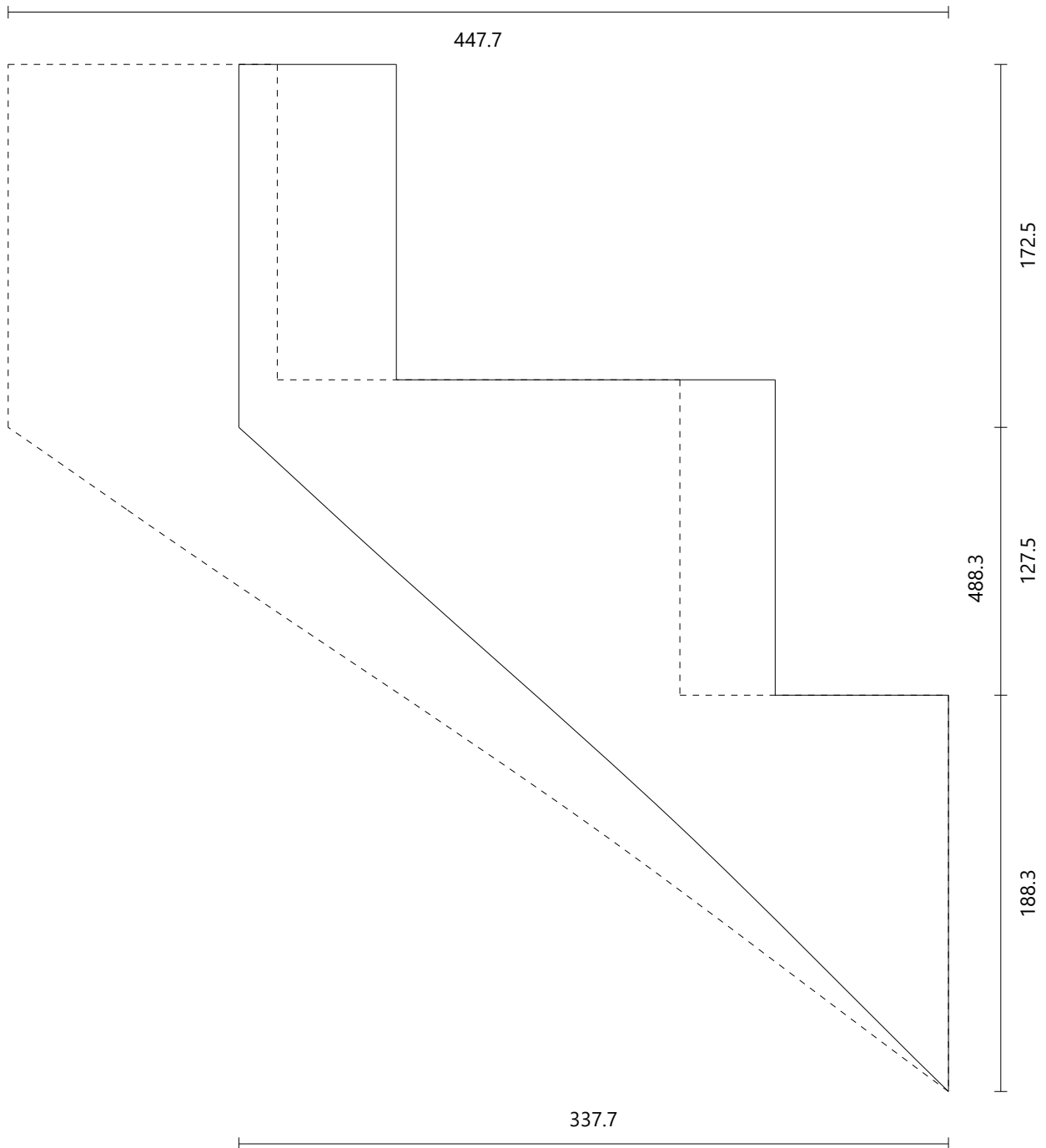
Material Oak 2
Dimensions 210.8 × 130.0 mm
Thickness 70.0 mm



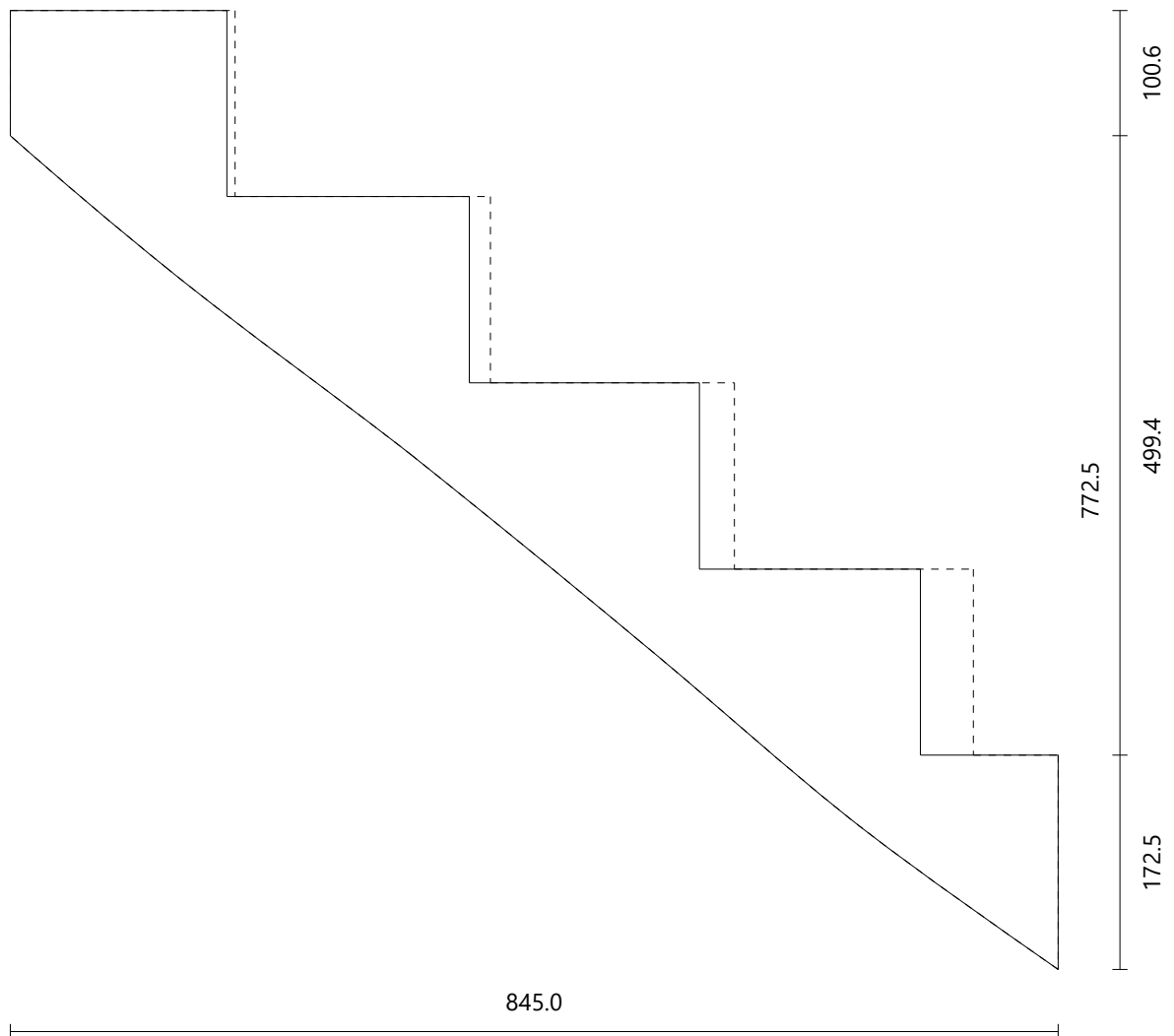
Material	Pointing
Dimensions	2611.8 × 241.8 mm
Thickness	70.0 mm



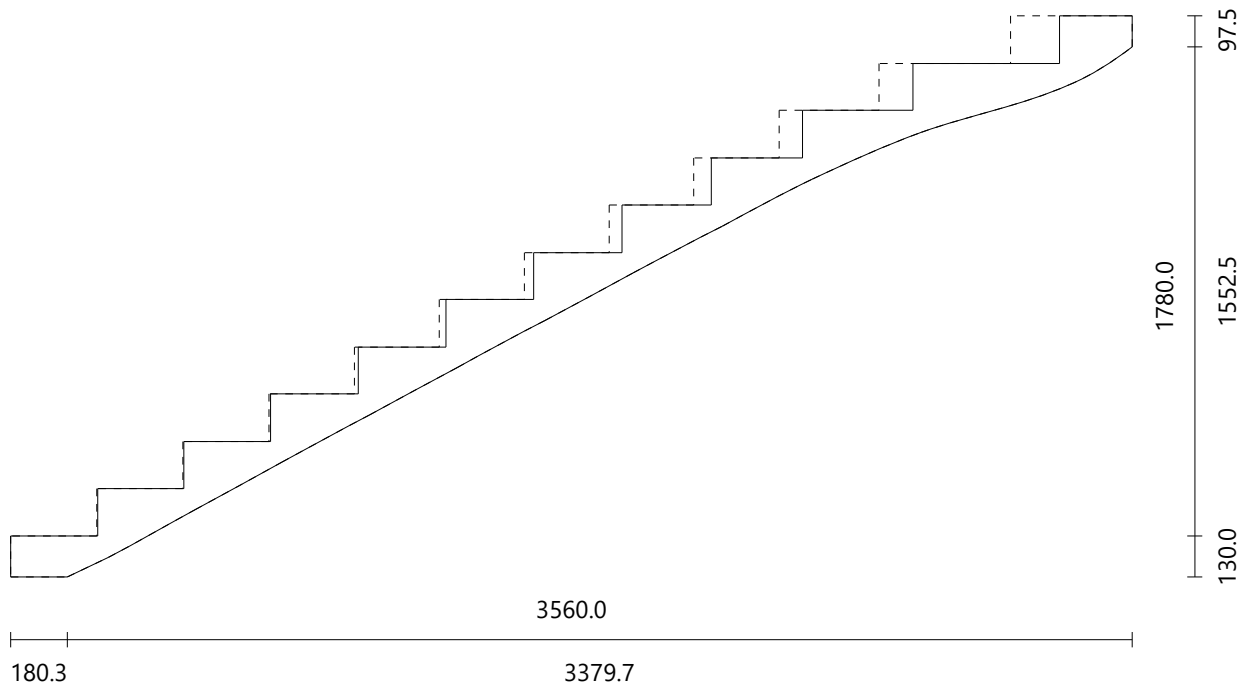
Material Oak 2
Dimensions 647.3 × 247.5 mm
Thickness 70.0 mm



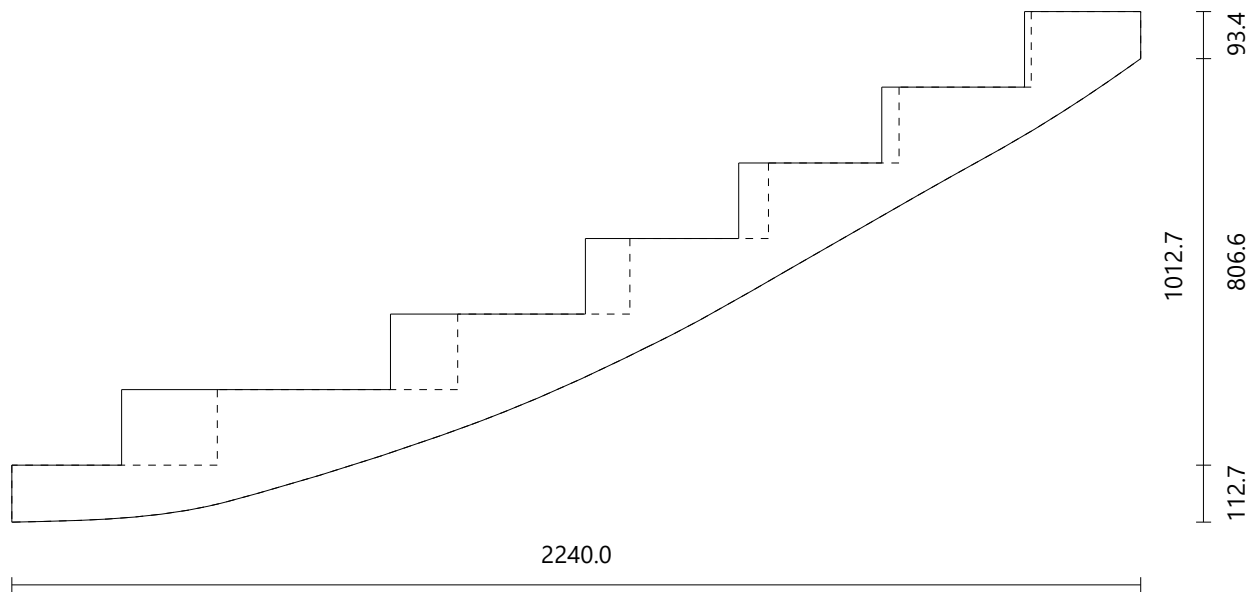
Material Oak 2
Dimensions 1142.6 × 219.0 mm
Thickness 70.0 mm

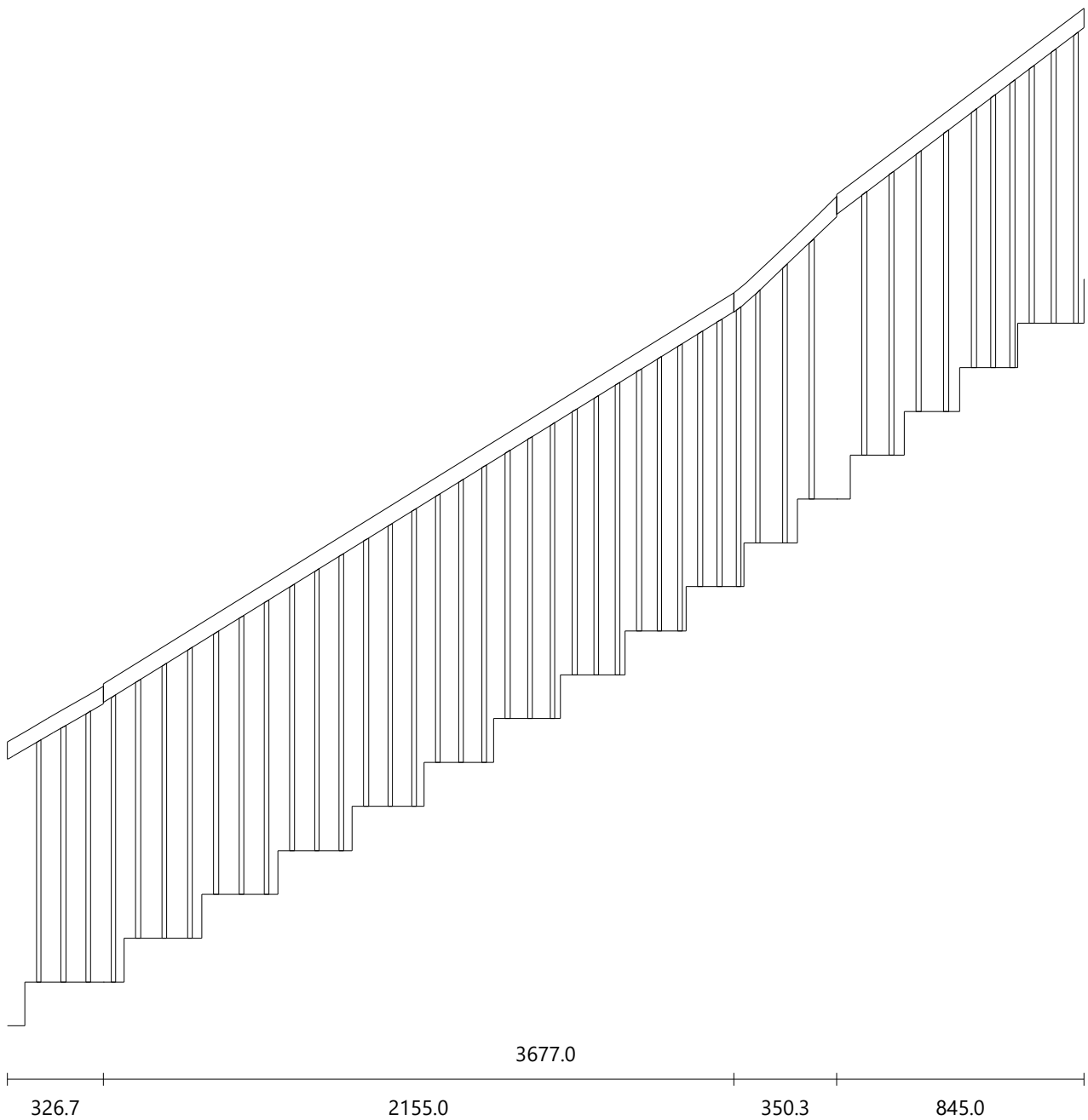


Material Laminate 1
Dimensions 3980.1 × 333.4 mm
Thickness 144.0 mm

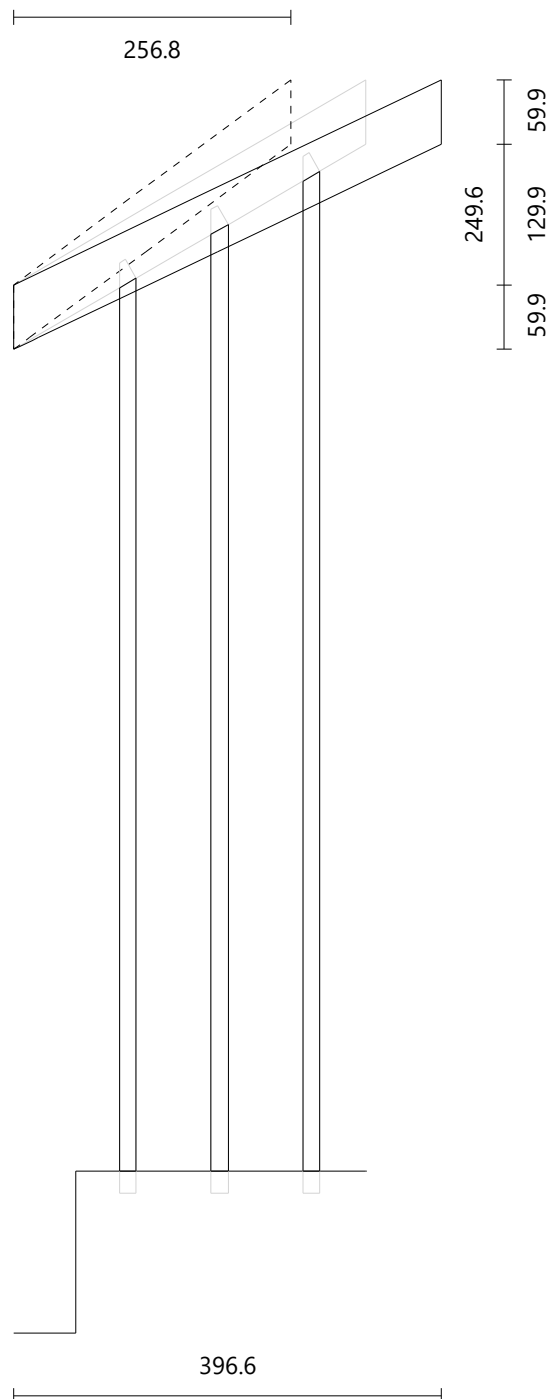


Material Laminate 1
Dimensions 2457.3 × 335.3 mm
Thickness 144.0 mm

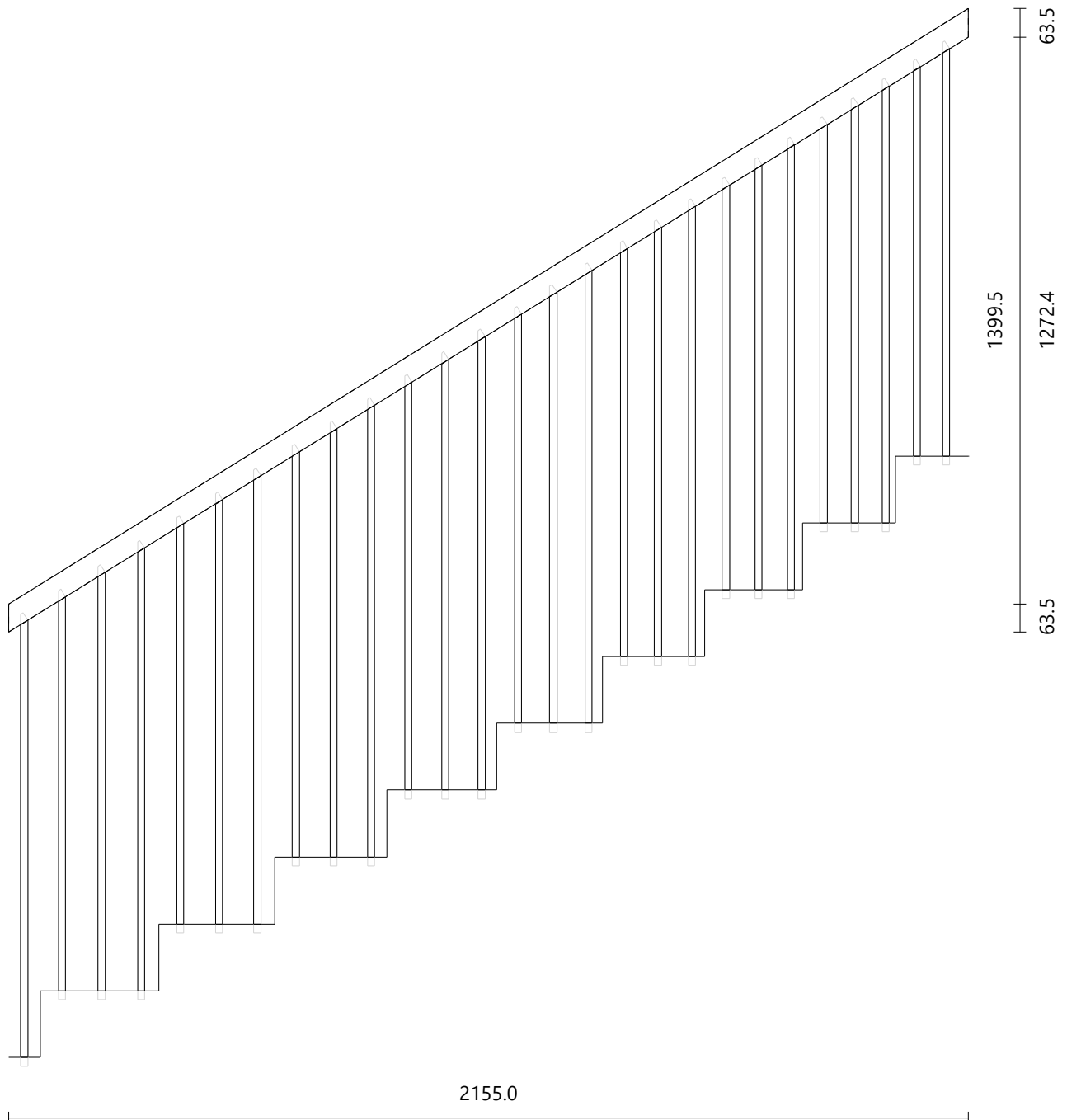




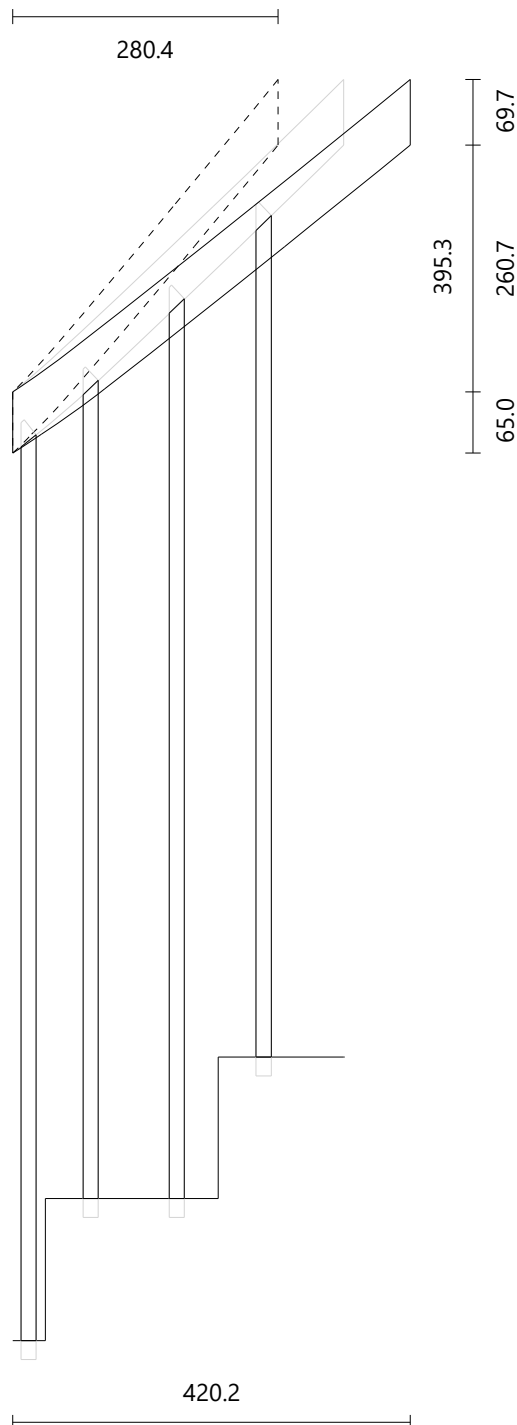
Material Sapele
Dimensions 465.5 × 114.3 mm
Thickness 89.0 mm



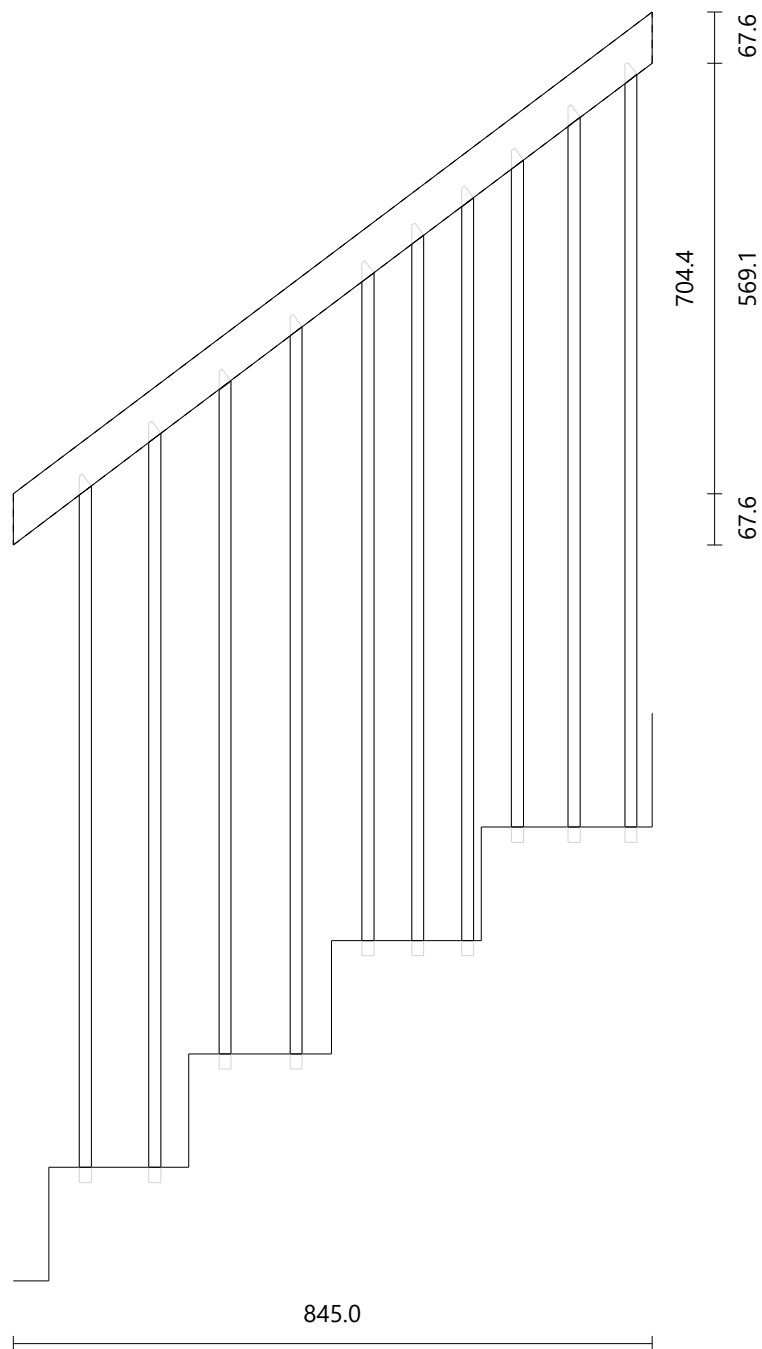
Material Sapele
Dimensions 2569.0 × 54.0 mm
Thickness 89.0 mm



Material Sapele
Dimensions 575.3 × 142.1 mm
Thickness 89.0 mm

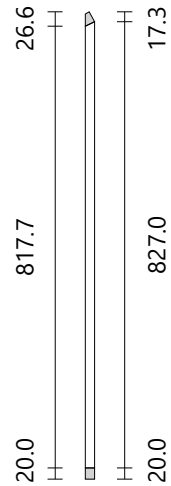


Material Sapele
Dimensions 1098.7 × 54.0 mm
Thickness 89.0 mm



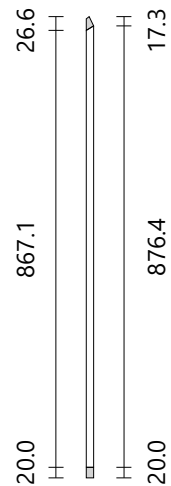
Banister #1

Left Side
Join 1
Material Steel
Section Square
Width 16.0 mm
Height 864.3 mm



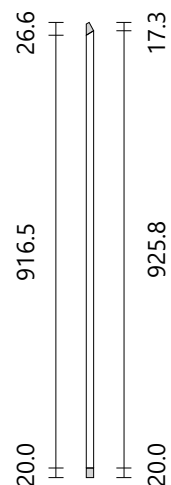
Banister #2

Left Side
Join 1
Material Steel
Section Square
Width 16.0 mm
Height 913.7 mm



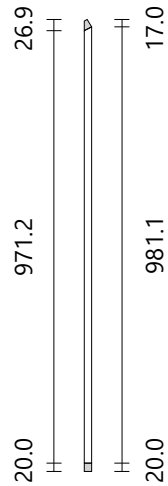
Banister #3

Left Side
Join 1
Material Steel
Section Square
Width 16.0 mm
Height 963.1 mm



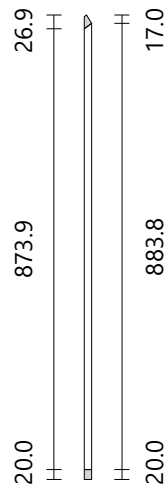
Banister #4

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1018.1 mm



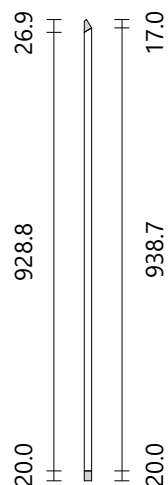
Banister #5

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 920.8 mm



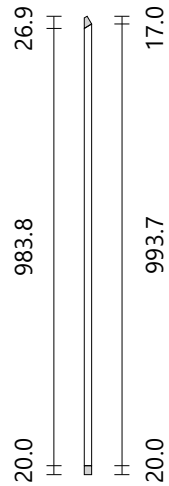
Banister #6

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 975.7 mm



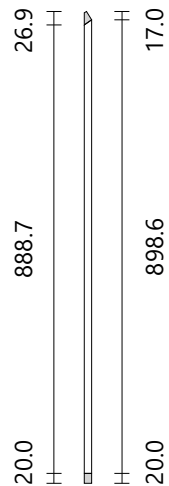
Banister #7

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1030.7 mm



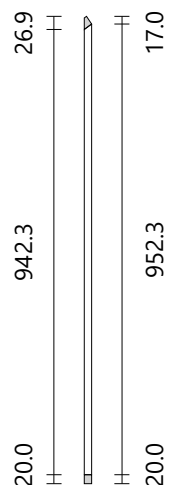
Banister #8

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 935.6 mm



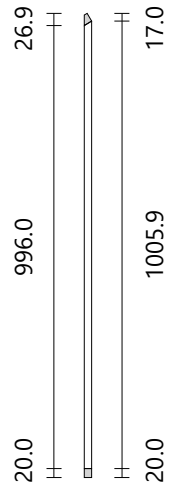
Banister #9

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 989.3 mm



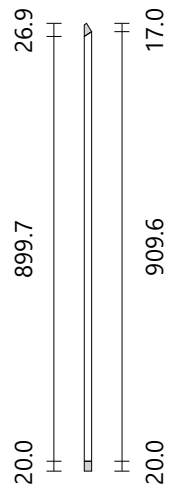
Banister #10

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1042.9 mm



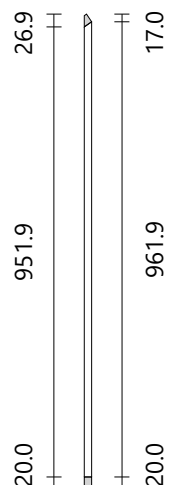
Banister #11

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 946.6 mm



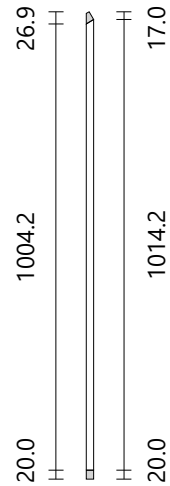
Banister #12

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 998.9 mm



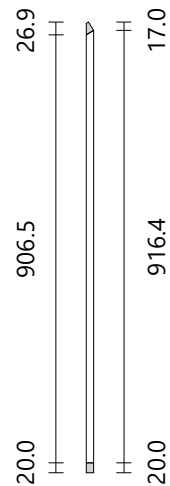
Banister #13

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1051.2 mm



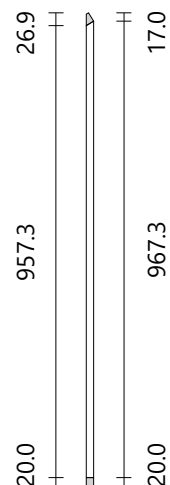
Banister #14

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 953.4 mm



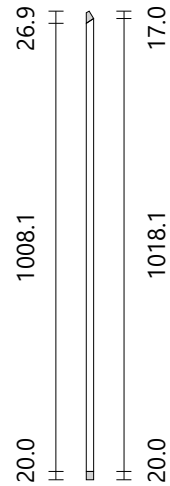
Banister #15

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1004.2 mm



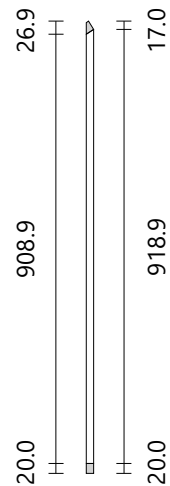
Banister #16

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1055.1 mm



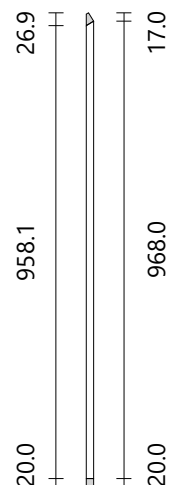
Banister #17

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 955.9 mm



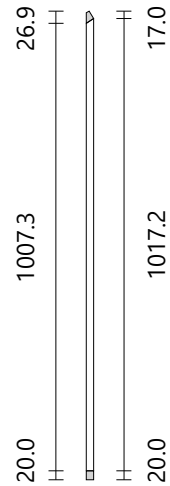
Banister #18

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1005.0 mm



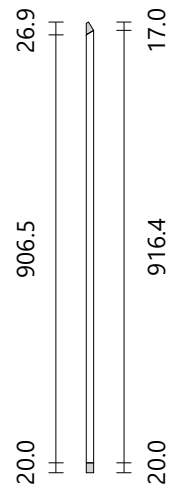
Banister #19

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1054.2 mm



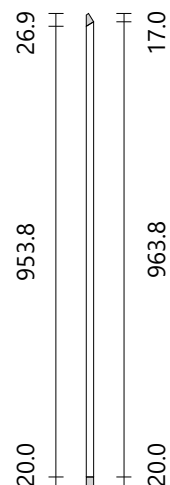
Banister #20

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 953.4 mm



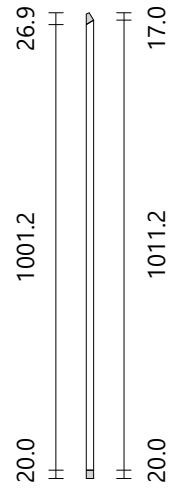
Banister #21

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1000.8 mm



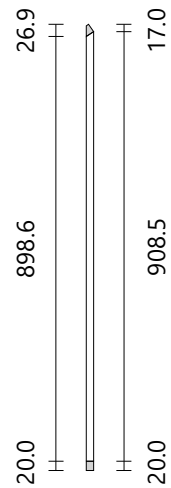
Banister #22

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1048.1 mm



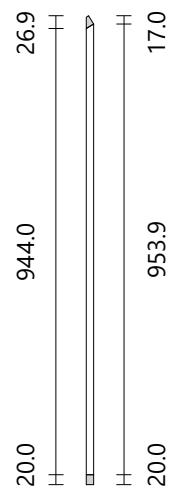
Banister #23

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 945.5 mm



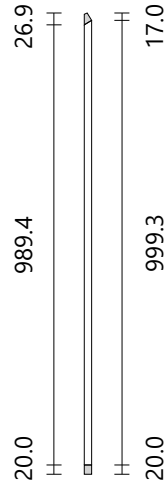
Banister #24

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 990.9 mm



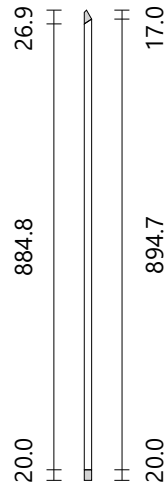
Banister #25

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1036.3 mm



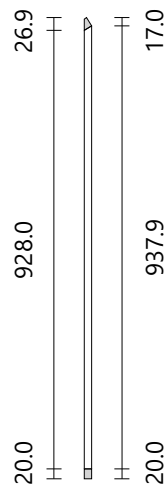
Banister #26

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 931.7 mm



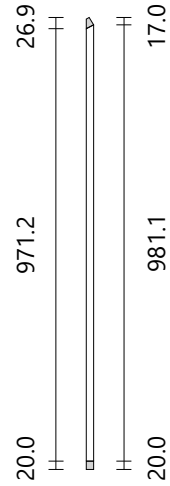
Banister #27

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 974.9 mm



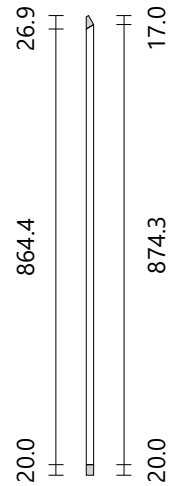
Banister #28

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 1018.1 mm



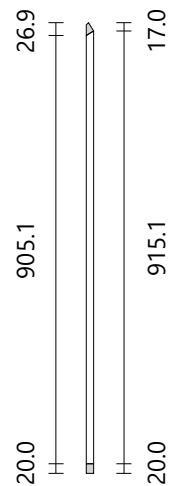
Banister #29

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 911.3 mm



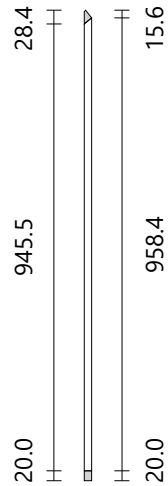
Banister #30

Left Side
Flight #1
Material Steel
Section Square
Width 16.0 mm
Height 952.1 mm



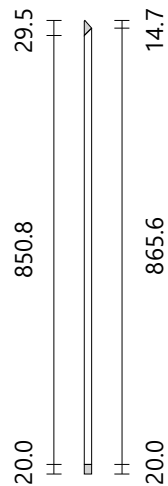
Banister #31

Left Side
Join 1-2
Material Steel
Section Square
Width 16.0 mm
Height 994.0 mm



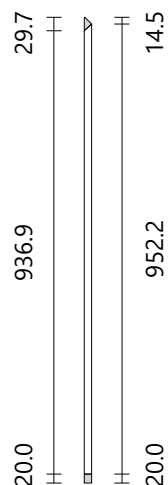
Banister #32

Left Side
Join 1-2
Material Steel
Section Square
Width 16.0 mm
Height 900.3 mm



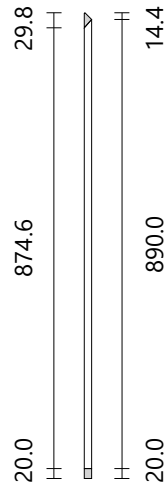
Banister #33

Left Side
Join 1-2
Material Steel
Section Square
Width 16.0 mm
Height 986.7 mm



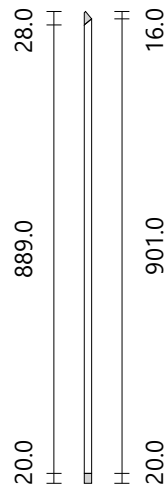
Banister #34

Left Side
Join 1-2
Material Steel
Section Square
Width 16.0 mm
Height 924.4 mm



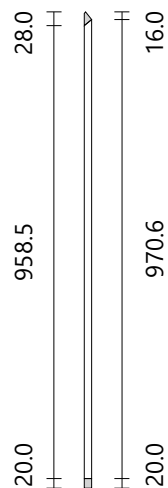
Banister #35

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 937.0 mm



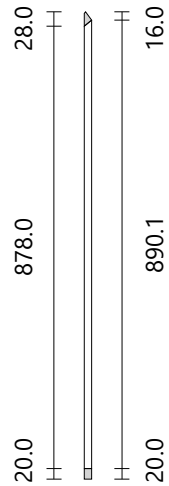
Banister #36

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 1006.5 mm



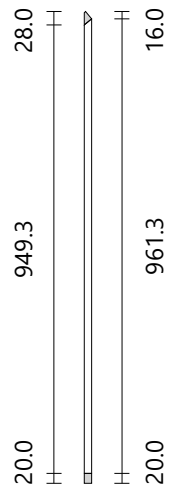
Banister #37

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 926.1 mm



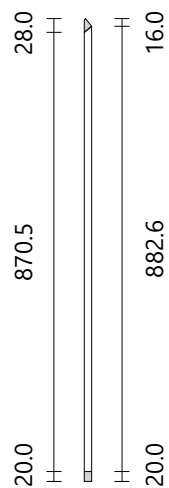
Banister #38

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 997.3 mm



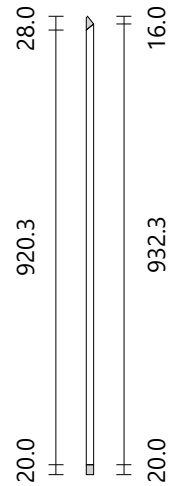
Banister #39

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 918.6 mm



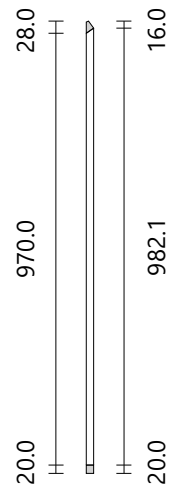
Banister #40

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 968.3 mm



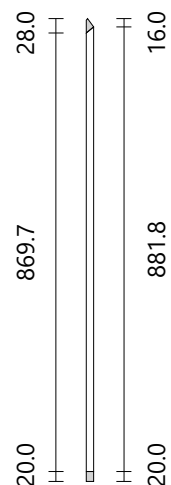
Banister #41

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 1018.0 mm



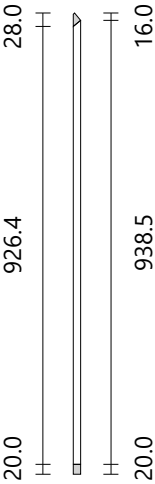
Banister #42

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 917.8 mm



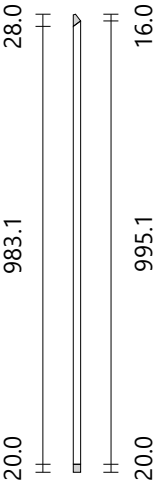
Banister #43

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 974.4 mm



Banister #44

Left Side
Flight #2
Material Steel
Section Square
Width 16.0 mm
Height 1031.1 mm



Part	Material	Dimensions	Cutting List Volume	Real Volume
Step #1	Oak	1410.0 × 327.3 × 20.0	0.01 m ³	0.01 m ³
Step #2	Oak	1211.7 × 333.8 × 20.0	0.01 m ³	0.01 m ³
Step #3	Oak	1217.2 × 340.9 × 20.0	0.01 m ³	0.01 m ³
Step #4	Oak	1227.7 × 348.4 × 20.0	0.01 m ³	0.01 m ³
Step #5	Oak	1244.8 × 356.2 × 20.0	0.01 m ³	0.01 m ³
Step #6	Oak	1271.2 × 363.7 × 20.0	0.01 m ³	0.01 m ³
Step #7	Oak	1309.8 × 370.6 × 20.0	0.01 m ³	0.01 m ³
Step #8	Oak	1364.7 × 375.8 × 20.0	0.01 m ³	0.01 m ³
Step #9	Oak	1443.6 × 386.6 × 20.0	0.01 m ³	0.01 m ³
Step #10	Oak	1601.2 × 479.3 × 20.0	0.02 m ³	0.01 m ³
Step #11	Oak	1725.1 × 482.3 × 20.0	0.02 m ³	0.01 m ³
Step #12	Oak	1606.5 × 439.0 × 20.0	0.01 m ³	0.01 m ³
Step #13	Oak	1356.8 × 392.2 × 20.0	0.01 m ³	0.01 m ³
Step #14	Oak	1226.9 × 382.2 × 20.0	0.01 m ³	0.01 m ³
Step #15	Oak	1145.5 × 390.7 × 20.0	0.01 m ³	0.01 m ³
Step #16	Oak	1089.7 × 371.7 × 20.0	0.01 m ³	0.01 m ³
Step #17	Oak	1060.0 × 100.0 × 20.0	0.00 m ³	0.00 m ³
Riser #1	Oak 2	1304.6 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #2	Oak 2	1210.1 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #3	Oak 2	1210.7 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #4	Oak 2	1212.3 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #5	Oak 2	1216.2 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #6	Oak 2	1224.2 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #7	Oak 2	1239.2 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #8	Oak 2	1264.8 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #9	Oak 2	1305.6 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #10	Oak 2	1371.6 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #11	Oak 2	1540.2 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #12	Oak 2	1481.6 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #13	Oak 2	1255.0 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #14	Oak 2	1150.3 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #15	Oak 2	1094.6 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #16	Oak 2	1066.4 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Riser #17	Oak 2	1060.0 × 130.0 × 20.0	0.00 m ³	0.00 m ³
Right Stringboard #1		4106.2 × 369.8 × 20.0	0.03 m ³	0.02 m ³
Right Stringboard #2		31.4 × 263.0 × 30.0	0.00 m ³	0.00 m ³
Right Stringboard #3		2477.7 × 340.6 × 30.0	0.03 m ³	0.02 m ³
Left Cut String #1	Oak 2	210.8 × 130.0 × 70.0	0.00 m ³	0.00 m ³
Left Cut String #2	Pointing	2611.8 × 241.8 × 70.0	0.04 m ³	0.03 m ³
Left Cut String #3	Oak 2	647.3 × 247.5 × 70.0	0.01 m ³	0.00 m ³
Left Cut String #4	Oak 2	1142.6 × 219.0 × 70.0	0.02 m ³	0.01 m ³
Right Cut String #1	Laminate 1	3980.1 × 333.4 × 144.0	0.19 m ³	0.09 m ³
Right Cut String #2	Laminate 1	2457.3 × 335.3 × 144.0	0.12 m ³	0.05 m ³
Left Handrail #1	Sapele	465.5 × 114.3 × 89.0	0.00 m ³	0.00 m ³
Left Handrail #2	Sapele	2569.0 × 54.0 × 89.0	0.01 m ³	0.01 m ³
Left Handrail #3	Sapele	575.3 × 142.1 × 89.0	0.01 m ³	0.00 m ³
Left Handrail #4	Sapele	1098.7 × 54.0 × 89.0	0.01 m ³	0.01 m ³
Banister #1	Steel	16.0 × 16.0 × 864.3	0.00 m ³	0.00 m ³
Banister #2	Steel	16.0 × 16.0 × 913.7	0.00 m ³	0.00 m ³

Part	Material	Dimensions	Cutting List Volume	Real Volume
Banister #3	Steel	16.0 × 16.0 × 963.1	0.00 m ³	0.00 m ³
Banister #4	Steel	16.0 × 16.0 × 1018.1	0.00 m ³	0.00 m ³
Banister #5	Steel	16.0 × 16.0 × 920.8	0.00 m ³	0.00 m ³
Banister #6	Steel	16.0 × 16.0 × 975.7	0.00 m ³	0.00 m ³
Banister #7	Steel	16.0 × 16.0 × 1030.7	0.00 m ³	0.00 m ³
Banister #8	Steel	16.0 × 16.0 × 935.6	0.00 m ³	0.00 m ³
Banister #9	Steel	16.0 × 16.0 × 989.3	0.00 m ³	0.00 m ³
Banister #10	Steel	16.0 × 16.0 × 1042.9	0.00 m ³	0.00 m ³
Banister #11	Steel	16.0 × 16.0 × 946.6	0.00 m ³	0.00 m ³
Banister #12	Steel	16.0 × 16.0 × 998.9	0.00 m ³	0.00 m ³
Banister #13	Steel	16.0 × 16.0 × 1051.2	0.00 m ³	0.00 m ³
Banister #14	Steel	16.0 × 16.0 × 953.4	0.00 m ³	0.00 m ³
Banister #15	Steel	16.0 × 16.0 × 1004.2	0.00 m ³	0.00 m ³
Banister #16	Steel	16.0 × 16.0 × 1055.1	0.00 m ³	0.00 m ³
Banister #17	Steel	16.0 × 16.0 × 955.9	0.00 m ³	0.00 m ³
Banister #18	Steel	16.0 × 16.0 × 1005.0	0.00 m ³	0.00 m ³
Banister #19	Steel	16.0 × 16.0 × 1054.2	0.00 m ³	0.00 m ³
Banister #20	Steel	16.0 × 16.0 × 953.4	0.00 m ³	0.00 m ³
Banister #21	Steel	16.0 × 16.0 × 1000.8	0.00 m ³	0.00 m ³
Banister #22	Steel	16.0 × 16.0 × 1048.1	0.00 m ³	0.00 m ³
Banister #23	Steel	16.0 × 16.0 × 945.5	0.00 m ³	0.00 m ³
Banister #24	Steel	16.0 × 16.0 × 990.9	0.00 m ³	0.00 m ³
Banister #25	Steel	16.0 × 16.0 × 1036.3	0.00 m ³	0.00 m ³
Banister #26	Steel	16.0 × 16.0 × 931.7	0.00 m ³	0.00 m ³
Banister #27	Steel	16.0 × 16.0 × 974.9	0.00 m ³	0.00 m ³
Banister #28	Steel	16.0 × 16.0 × 1018.1	0.00 m ³	0.00 m ³
Banister #29	Steel	16.0 × 16.0 × 911.3	0.00 m ³	0.00 m ³
Banister #30	Steel	16.0 × 16.0 × 952.1	0.00 m ³	0.00 m ³
Banister #31	Steel	16.0 × 16.0 × 994.0	0.00 m ³	0.00 m ³
Banister #32	Steel	16.0 × 16.0 × 900.3	0.00 m ³	0.00 m ³
Banister #33	Steel	16.0 × 16.0 × 986.7	0.00 m ³	0.00 m ³
Banister #34	Steel	16.0 × 16.0 × 924.4	0.00 m ³	0.00 m ³
Banister #35	Steel	16.0 × 16.0 × 937.0	0.00 m ³	0.00 m ³
Banister #36	Steel	16.0 × 16.0 × 1006.5	0.00 m ³	0.00 m ³
Banister #37	Steel	16.0 × 16.0 × 926.1	0.00 m ³	0.00 m ³
Banister #38	Steel	16.0 × 16.0 × 997.3	0.00 m ³	0.00 m ³
Banister #39	Steel	16.0 × 16.0 × 918.6	0.00 m ³	0.00 m ³
Banister #40	Steel	16.0 × 16.0 × 968.3	0.00 m ³	0.00 m ³
Banister #41	Steel	16.0 × 16.0 × 1018.0	0.00 m ³	0.00 m ³
Banister #42	Steel	16.0 × 16.0 × 917.8	0.00 m ³	0.00 m ³
Banister #43	Steel	16.0 × 16.0 × 974.4	0.00 m ³	0.00 m ³
Banister #44	Steel	16.0 × 16.0 × 1031.1	0.00 m ³	0.00 m ³

Material	Cutting List Volume	Real Volume	Weight	Price
Steps				
Oak	0.17 m ³	0.13 m ³		
Risers				
Oak 2	0.06 m ³	0.05 m ³		
Stringboards				
<Unnamed>	0.06 m ³	0.04 m ³		
Lateral Cut Strings				
Laminate 1	0.31 m ³	0.14 m ³		
Oak 2	0.03 m ³	0.02 m ³		
Pointing	0.04 m ³	0.03 m ³		
Handrails				
Sapele	0.03 m ³	0.02 m ³		
Banisters				
Steel	0.01 m ³	0.01 m ³		
Total	0.71 m³	0.44 m³		