

StairDesigner

Joakim Lennartsson

joakim01v03

Scale : 1/22

Multi-Flight Stair

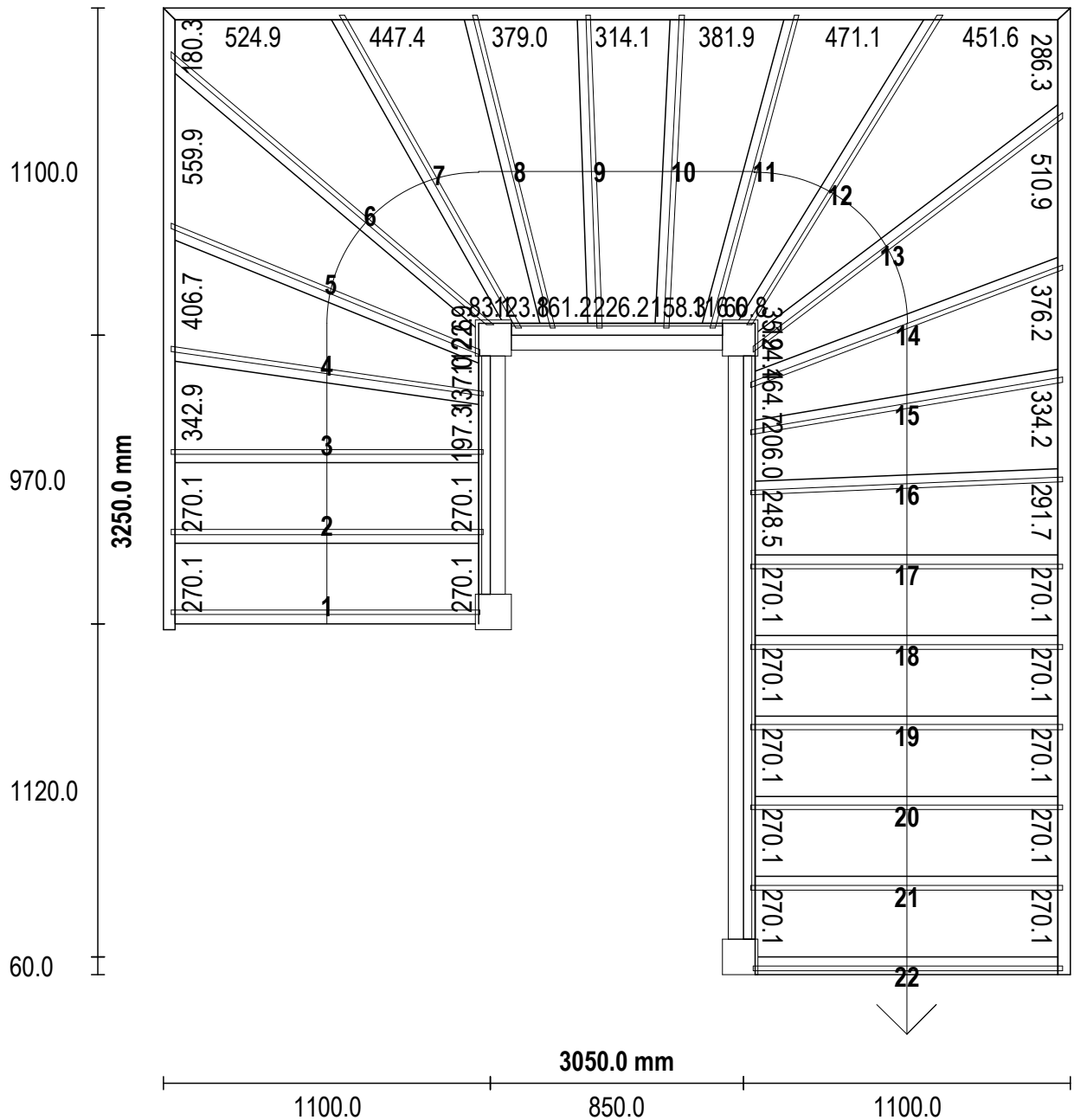
Risers : 22

Floor Height : 3570.0 mm

Riser Height : 162.3 mm

Tread Width : 270.1 mm

Stair Rule : 594.7 mm



StairDesigner
Step : 1

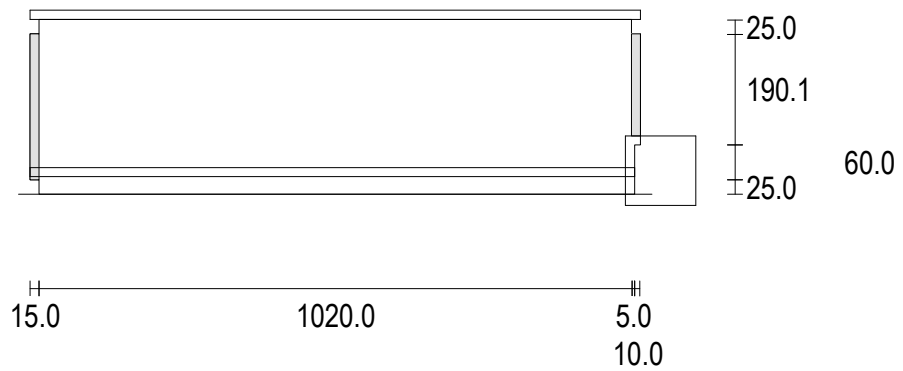
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1040.0 Height : 132.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 2

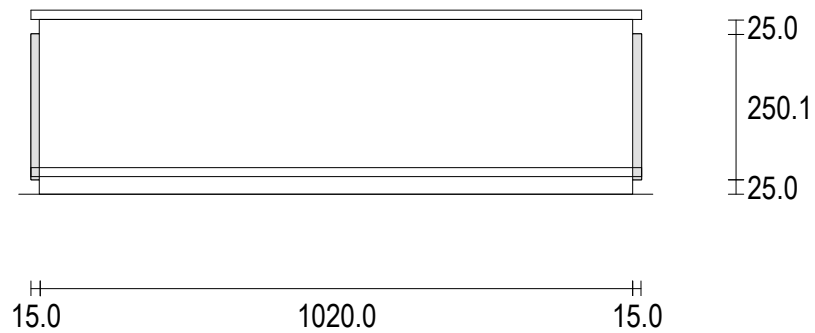
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 3

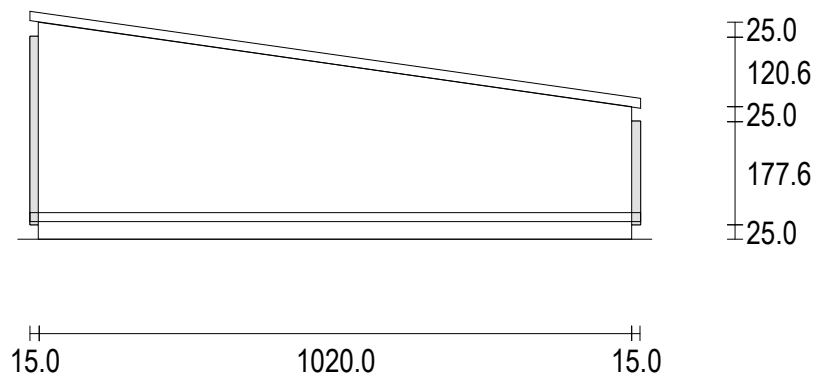
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 373.2

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 4

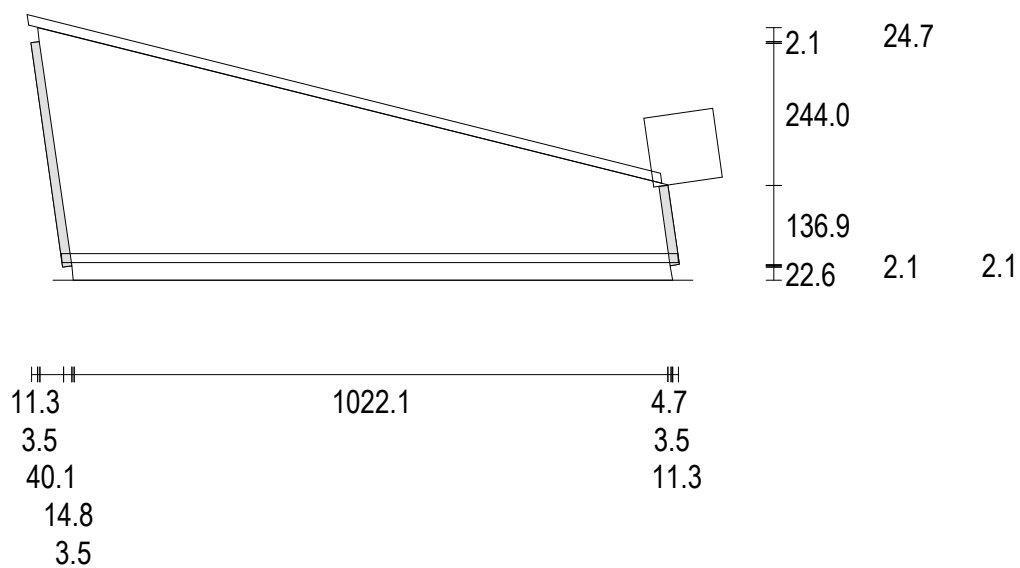
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1115.0 x 434.7

Riser

Width : 1062.9 Height : 172.3 Thickness : 16.0 Angle : 8.12



StairDesigner
Step : 5

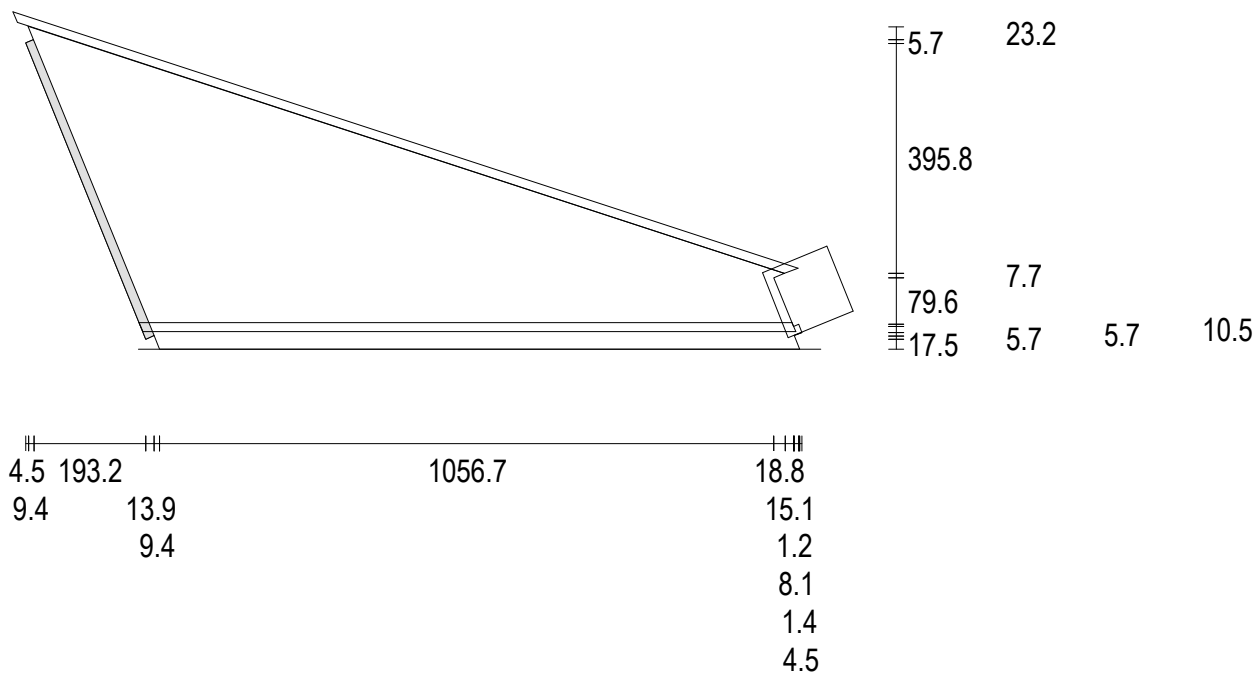
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1336.1 x 554.9

Riser

Width : 1129.4 Height : 172.3 Thickness : 16.0 Angle : 22.15



StairDesigner
Step : 6

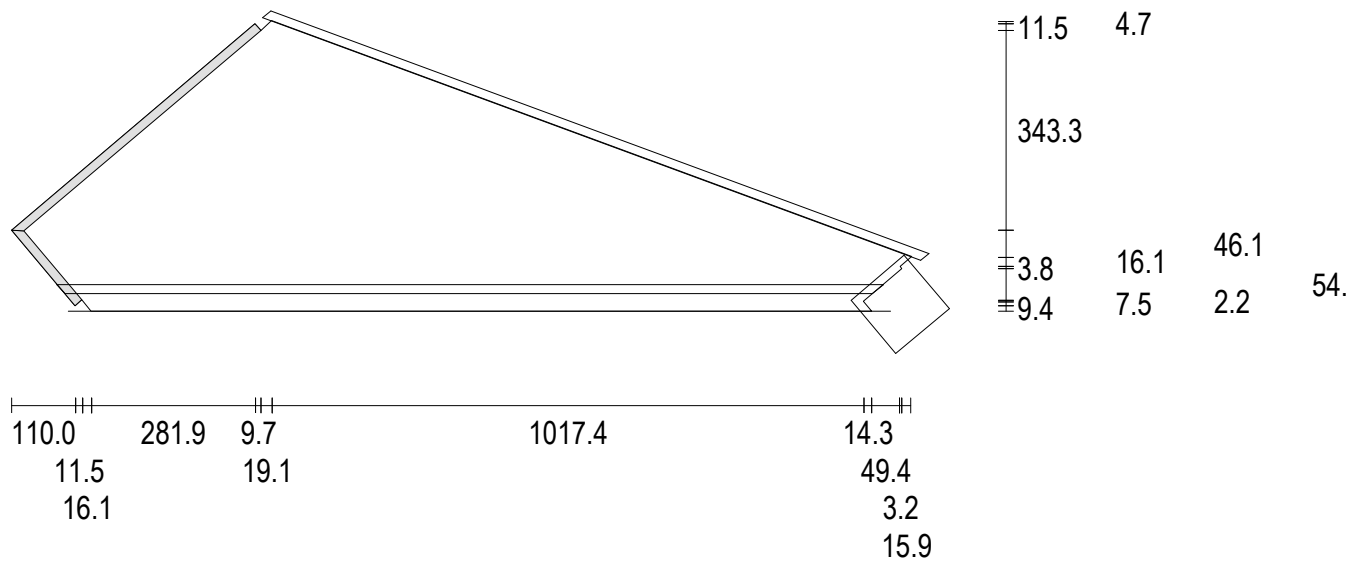
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1548.4 x 498.9

Riser

Width : 1421.1 Height : 172.3 Thickness : 16.0 Angle R:-49.78 ; L:40.22



StairDesigner
Step : 7

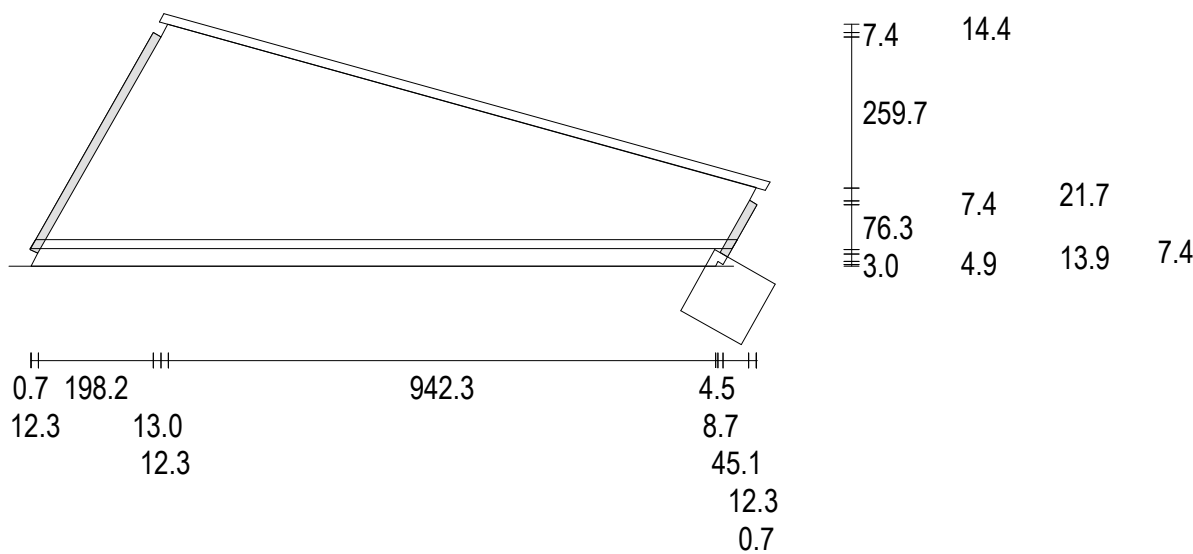
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1250.3 x 416.1

Riser

Width : 1216.1 Height : 172.3 Thickness : 16.0 Angle : -29.55



StairDesigner
Step : 8

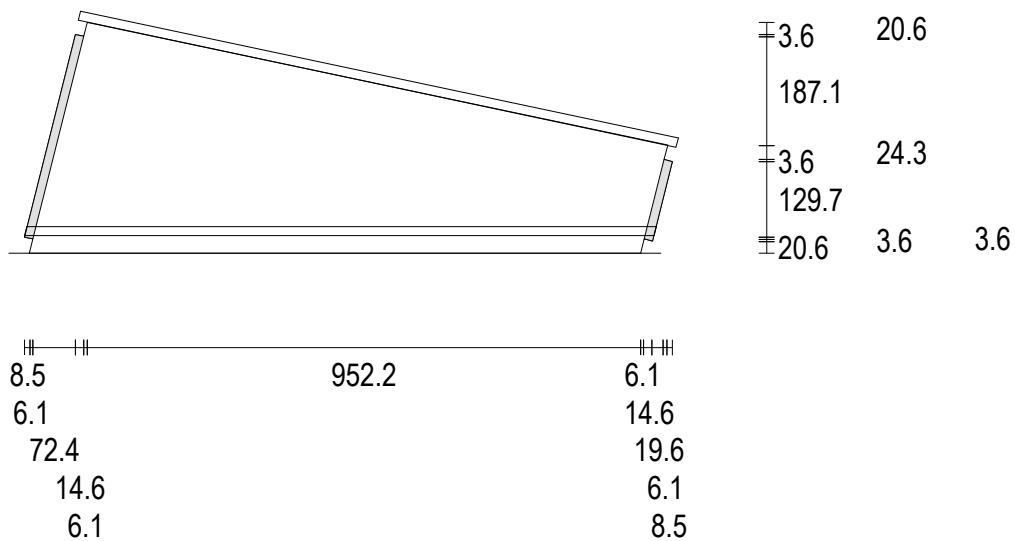
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1114.6 x 396.9

Riser

Width : 1086.2 Height : 172.3 Thickness : 16.0 Angle : -14.02



StairDesigner
Step : 9

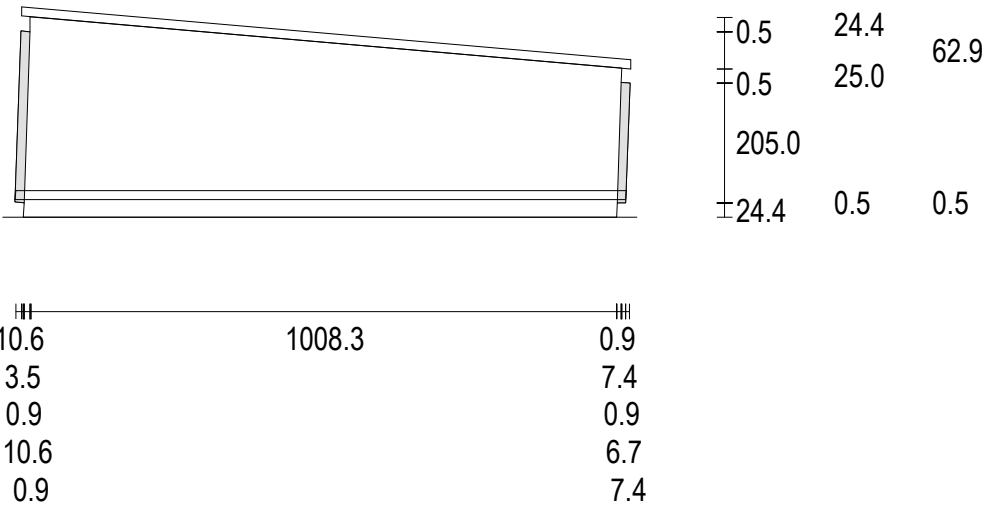
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1058.1 x 343.9

Riser

Width : 1051.3 Height : 172.3 Thickness : 16.0 Angle : -2.07



StairDesigner
Step : 10

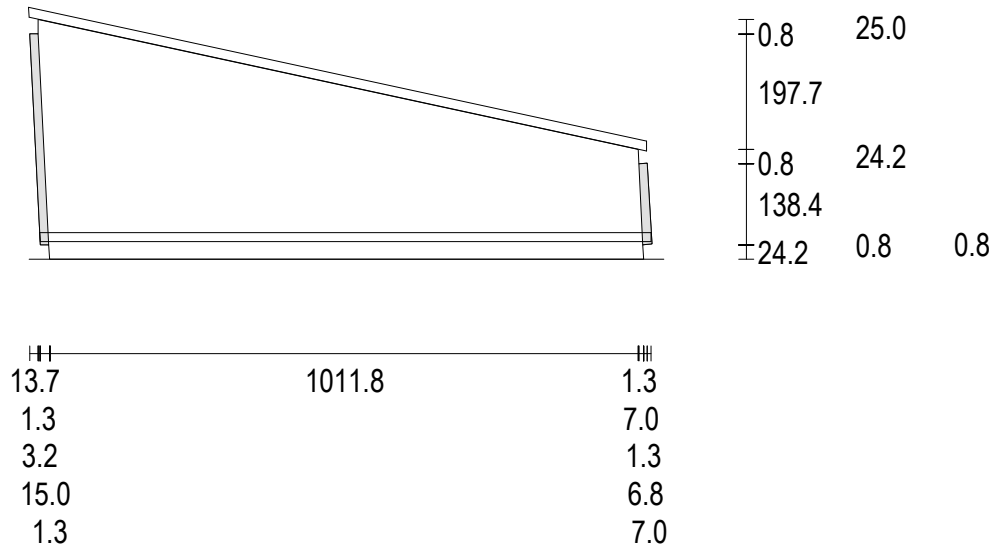
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1069.4 x 412.5

Riser

Width : 1052.1 Height : 172.3 Thickness : 16.0 Angle : 2.87



StairDesigner
Step : 11

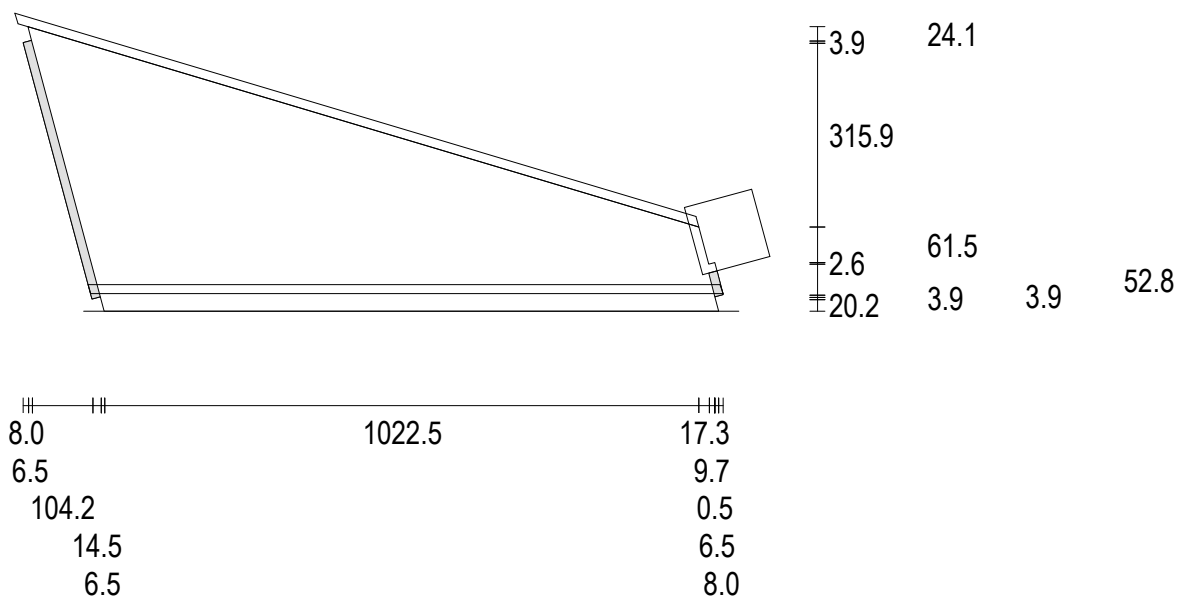
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1204.0 x 488.9

Riser

Width : 1091.7 Height : 172.3 Thickness : 16.0 Angle : 15.08



StairDesigner
Step : 12

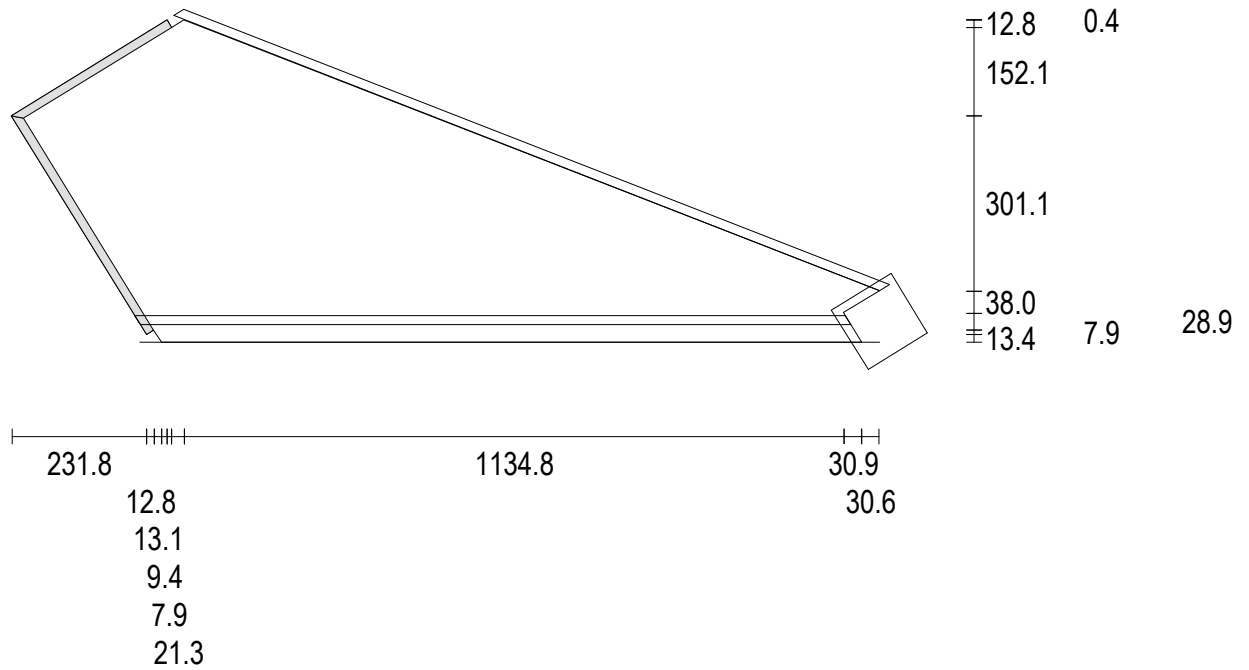
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1492.7 x 554.4

Riser

Width : 1231.8 Height : 172.3 Thickness : 16.0 Angle : 31.67



StairDesigner
Step : 13

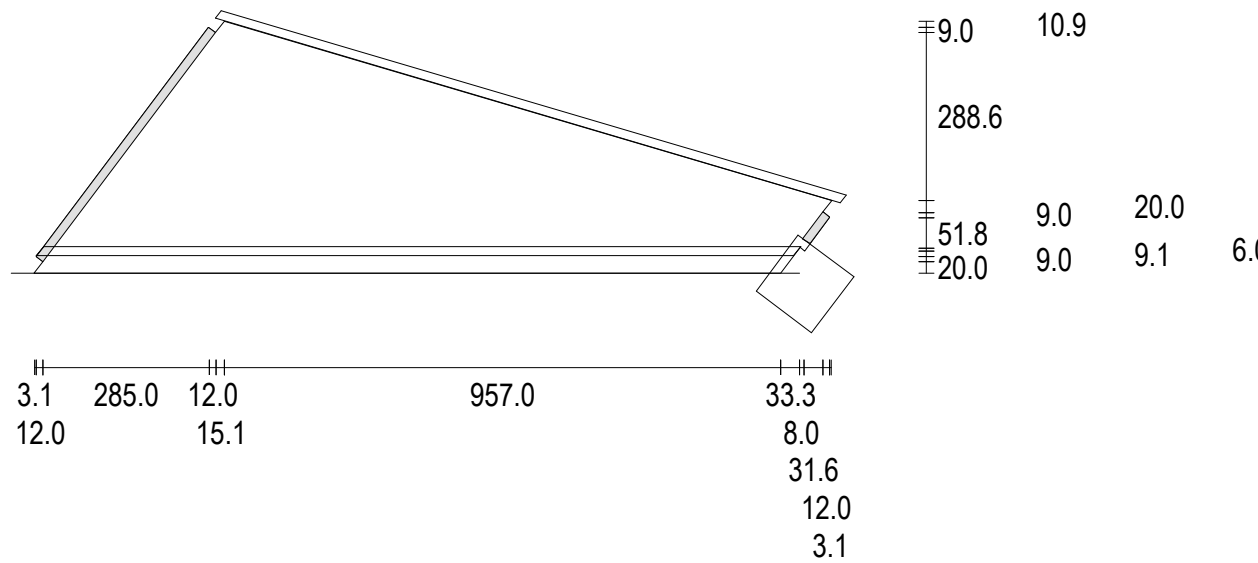
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1372.0 x 433.5

Riser

Width : 1314.9 Height : 172.3 Thickness : 16.0 Angle : -37.03



StairDesigner
Step : 14

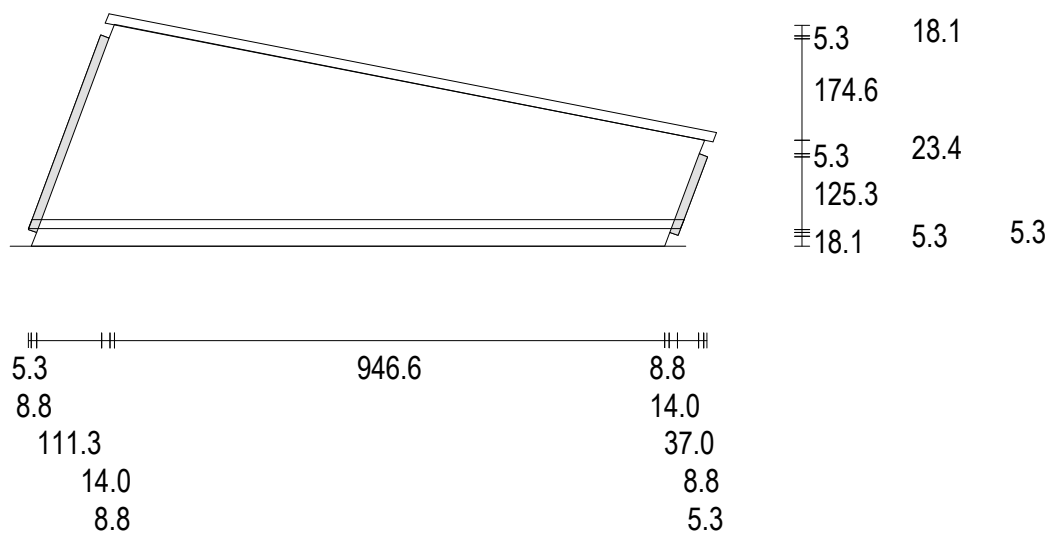
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1168.6 x 380.7

Riser

Width : 1127.6 Height : 172.3 Thickness : 16.0 Angle : -20.58



StairDesigner
Step : 15

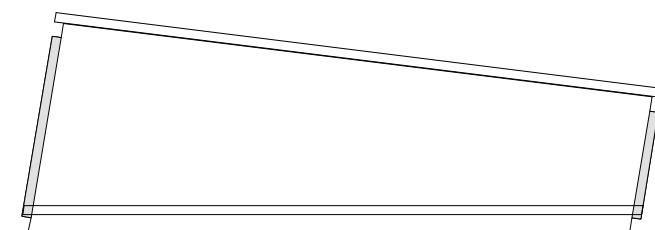
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1094.7 x 359.2

Riser

Width : 1067.4 Height : 172.3 Thickness : 16.0 Angle : -9.54



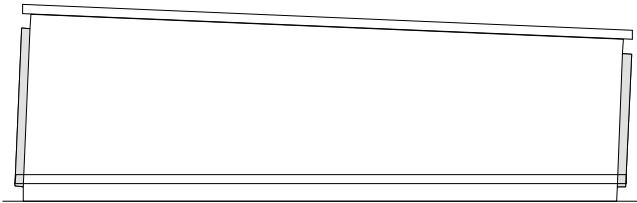
22.2	2.5	
101.8		
2.5	24.7	
178.5		
22.2	2.5	2.5

10.6	973.9	4.1
4.1		14.8
37.3		16.1
14.8		4.1
4.1		10.6

Step : 1060.6 x 321.5

Riser

Width : 1051.6 Height : 172.3 Thickness : 16.0 Angle : -2.43



0.6	25.0	18.3	0.6	
227.0				
24.3	0.6	0.6		

11.5	1007.3	1.1
2.4		9.7
1.1		1.1
11.5		4.2
1.1		9.7

StairDesigner
Step : 17

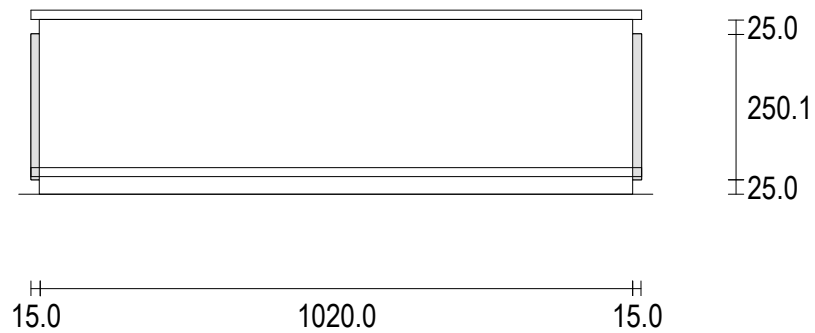
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 18

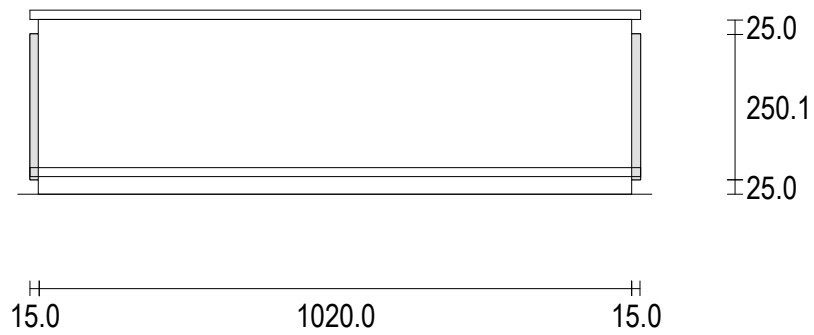
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 19

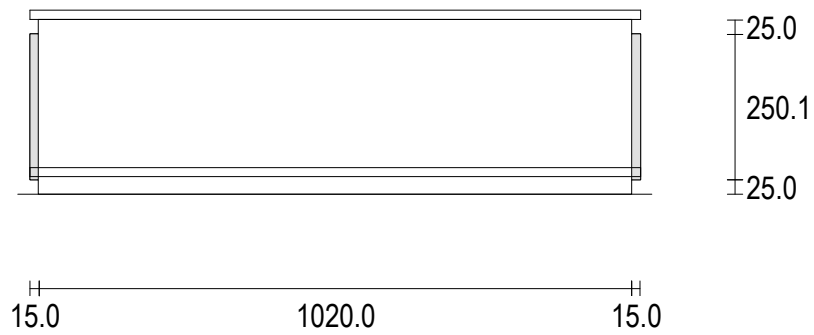
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 20

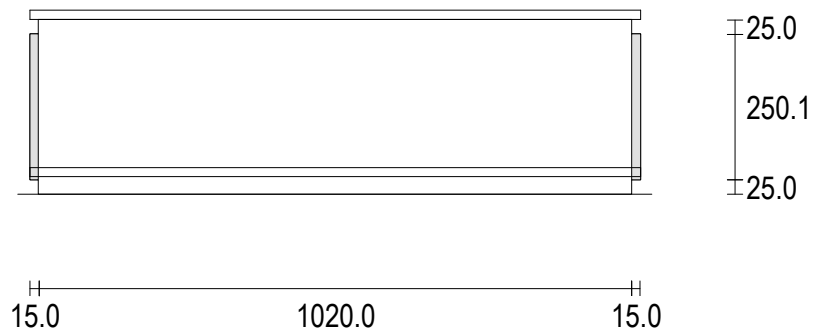
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 21

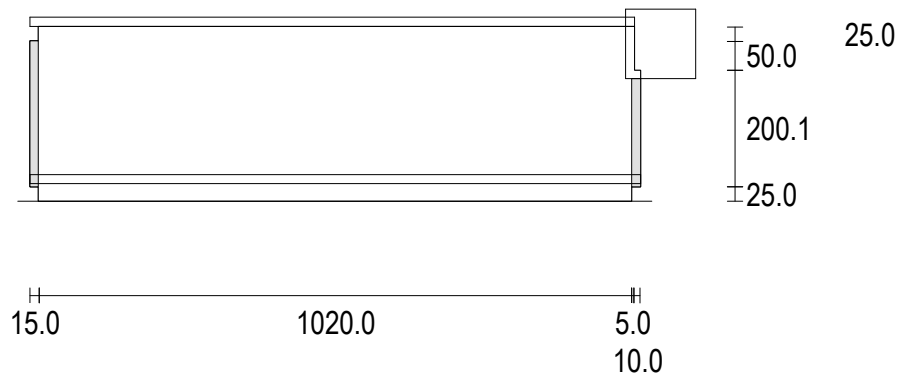
Joakim Lennartsson

joakim01v03
Scale : 1/13

Step : 1050.0 x 300.1

Riser

Width : 1050.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



StairDesigner
Step : 22

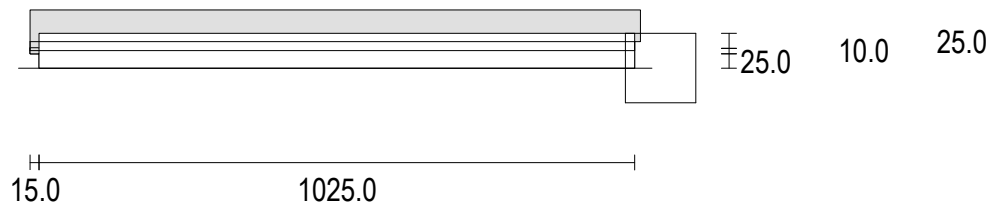
Joakim Lennartsson

joakim01v03
Scale : 1/13

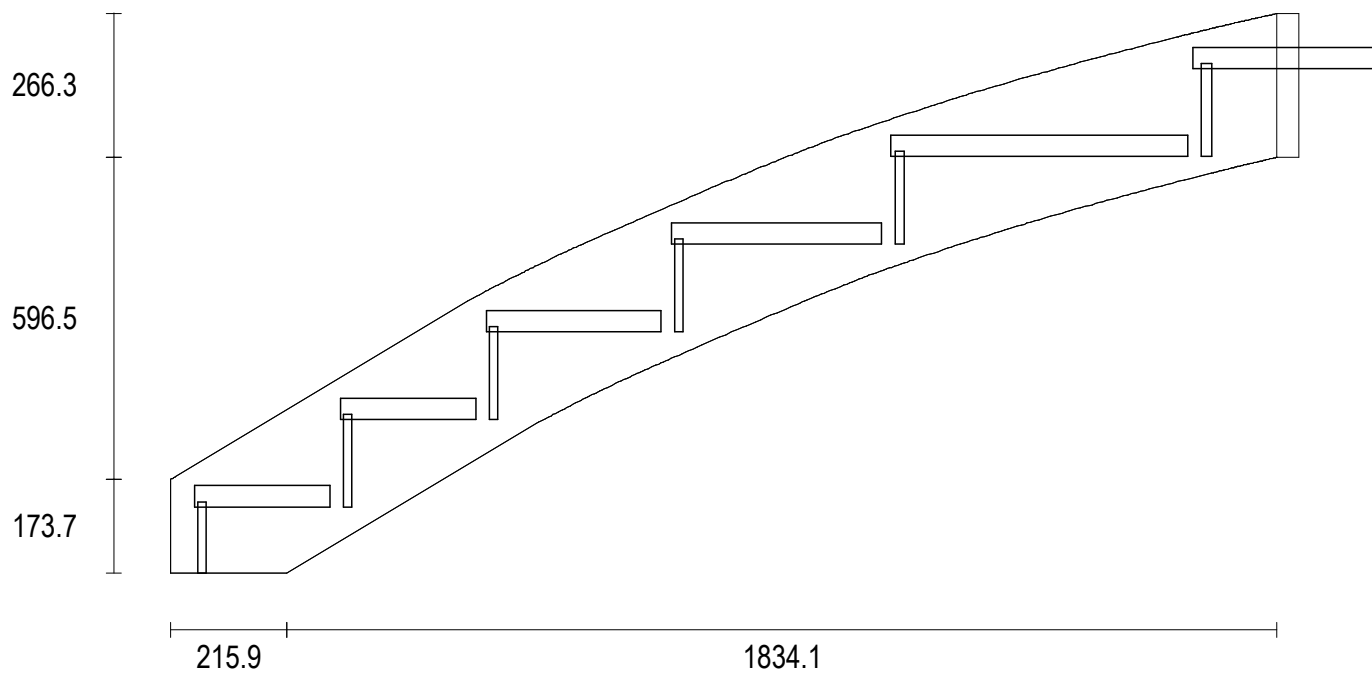
Landing Step

Riser

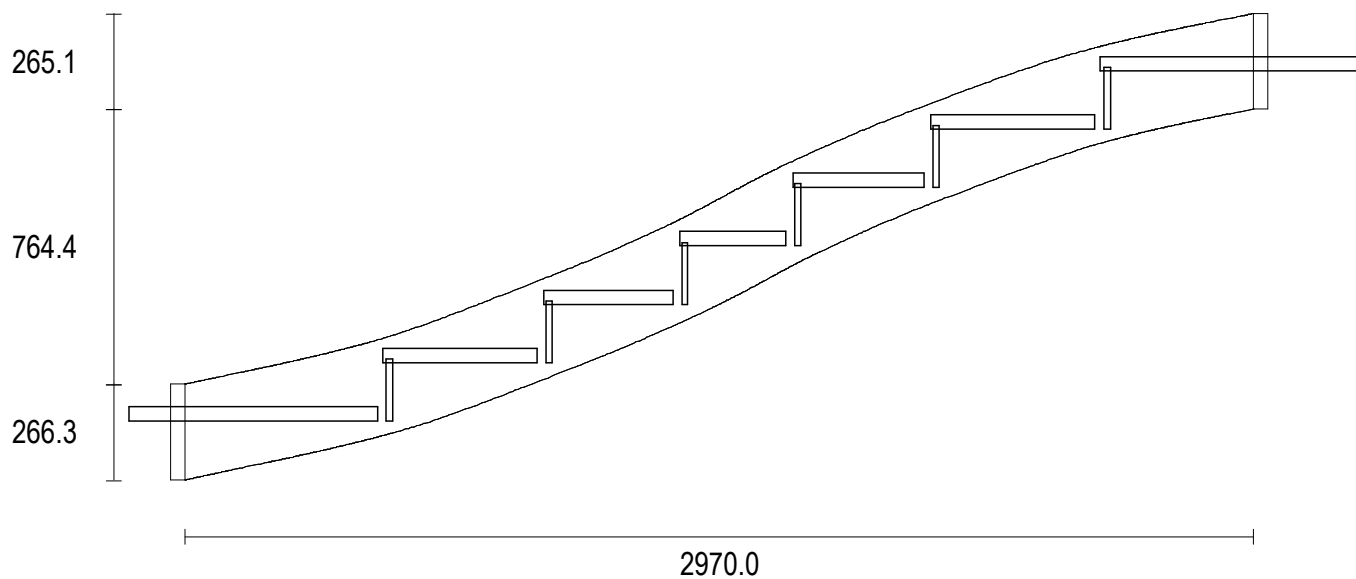
Width : 1040.0 Height : 172.3 Thickness : 16.0 Angle : 0.00



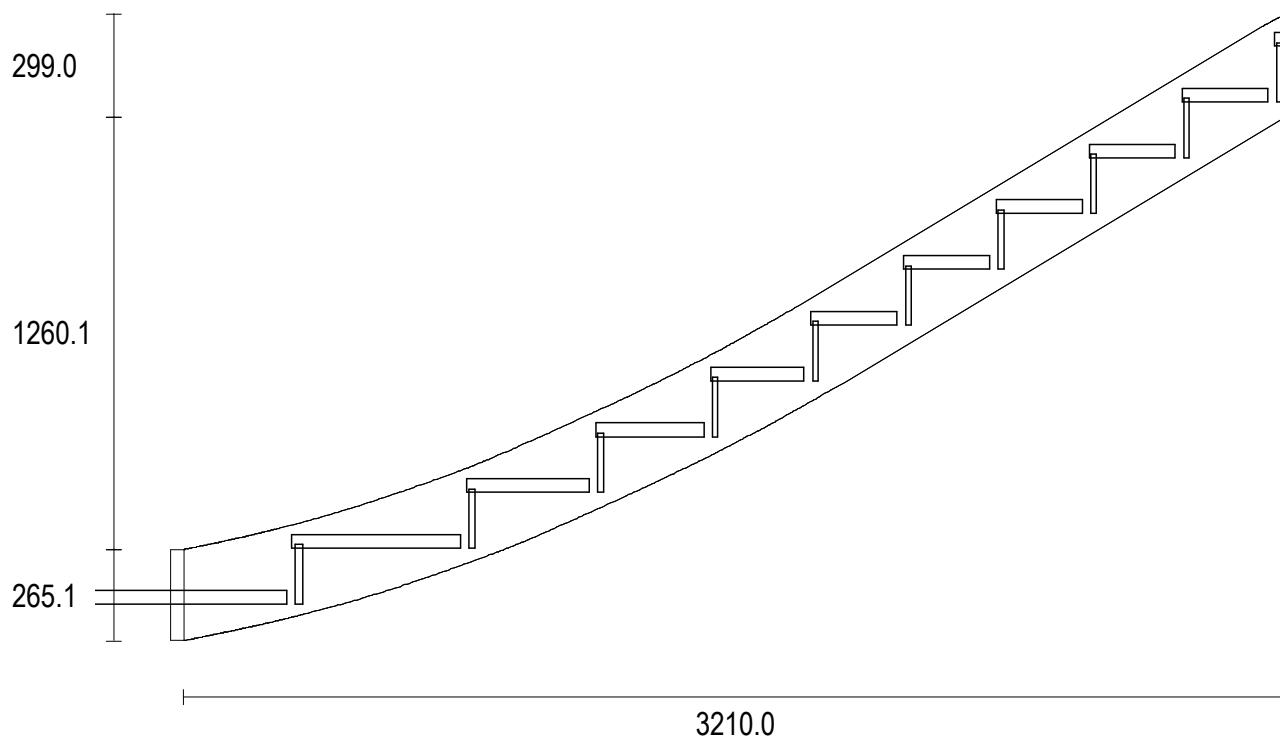
Dimensions : 2327.1 x 361.9 (22.3°)



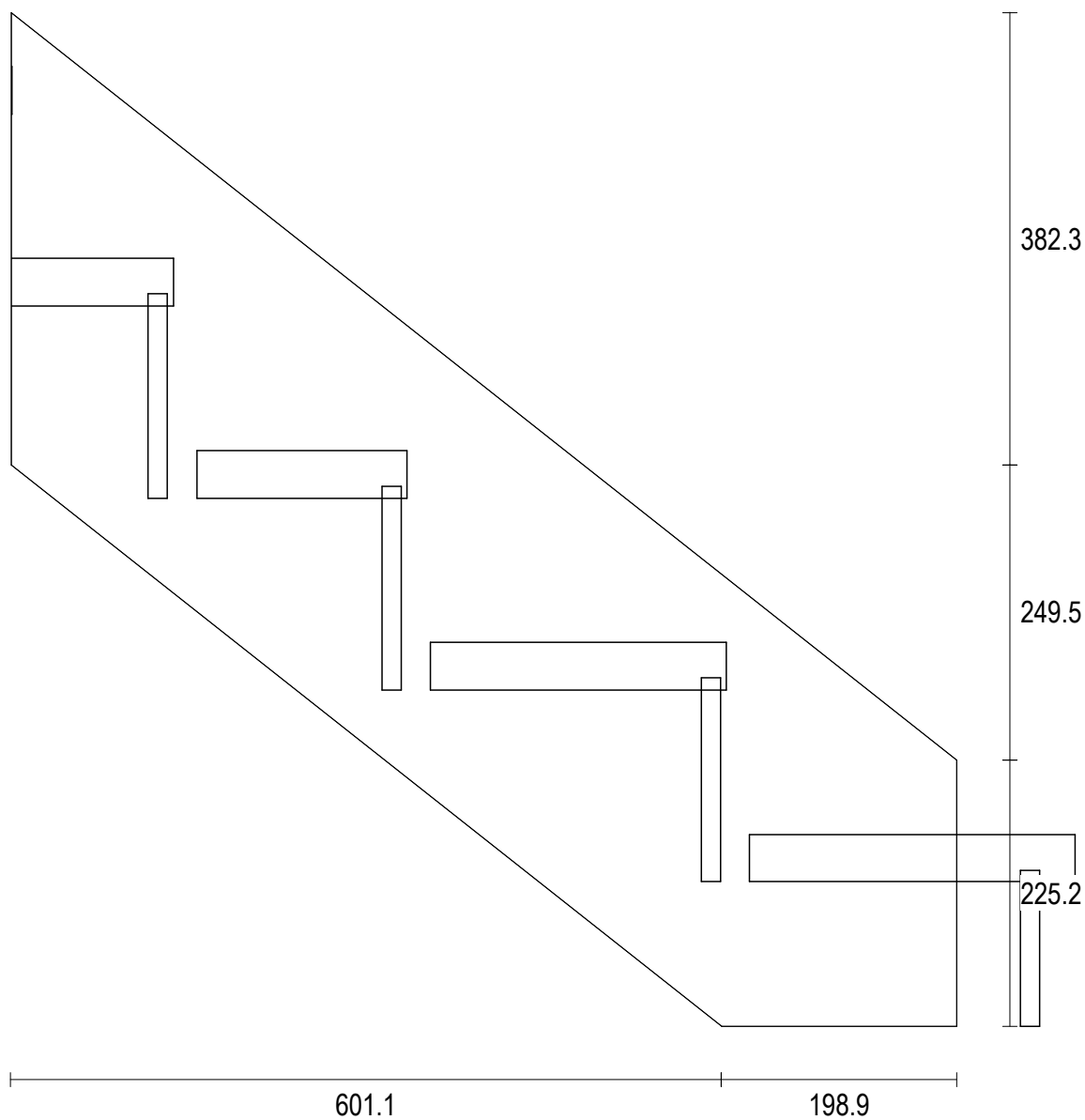
Dimensions : 3310.1 x 349.2 (20.3°)



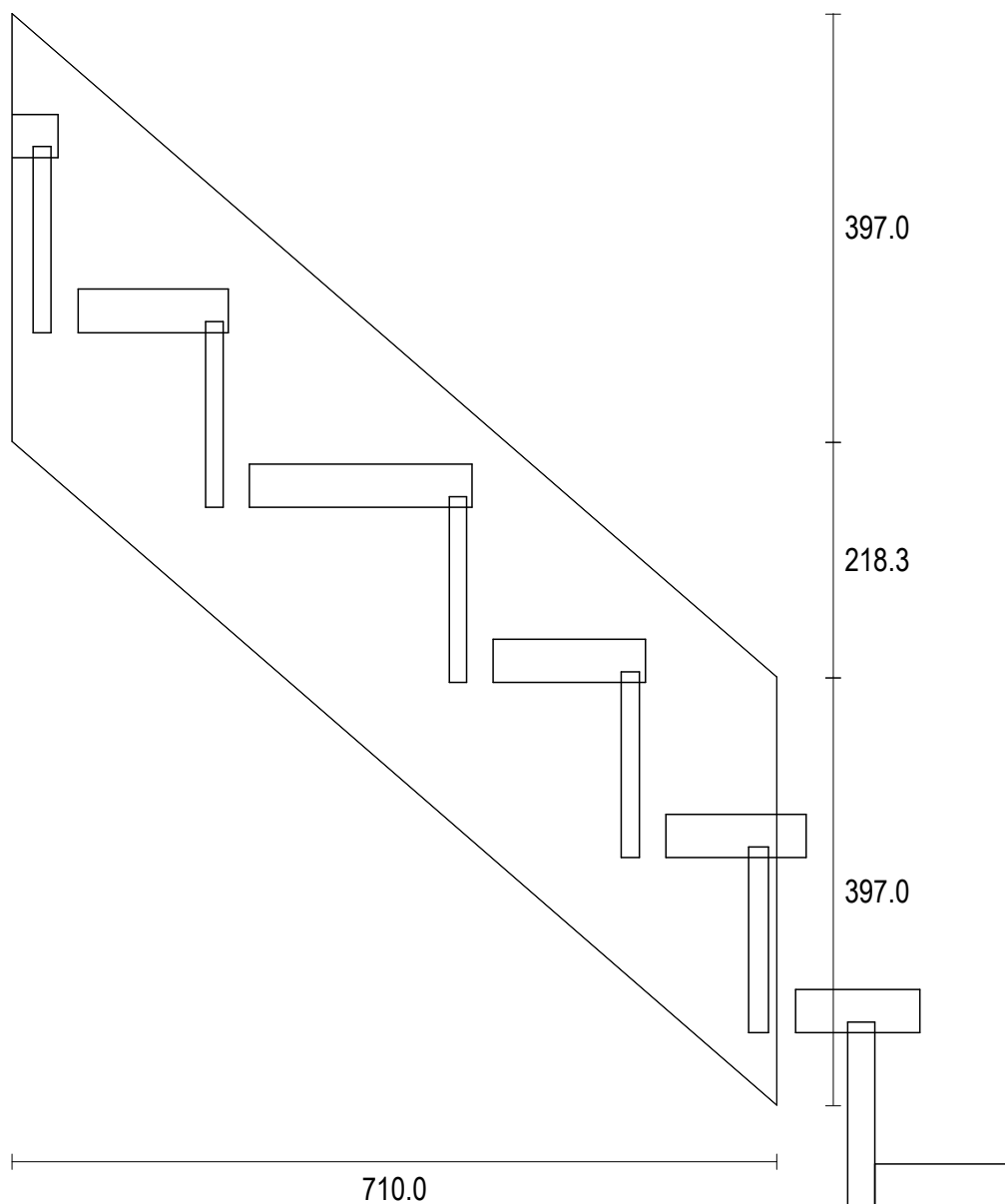
Dimensions : 3719.3 x 434.9 (25.6°)



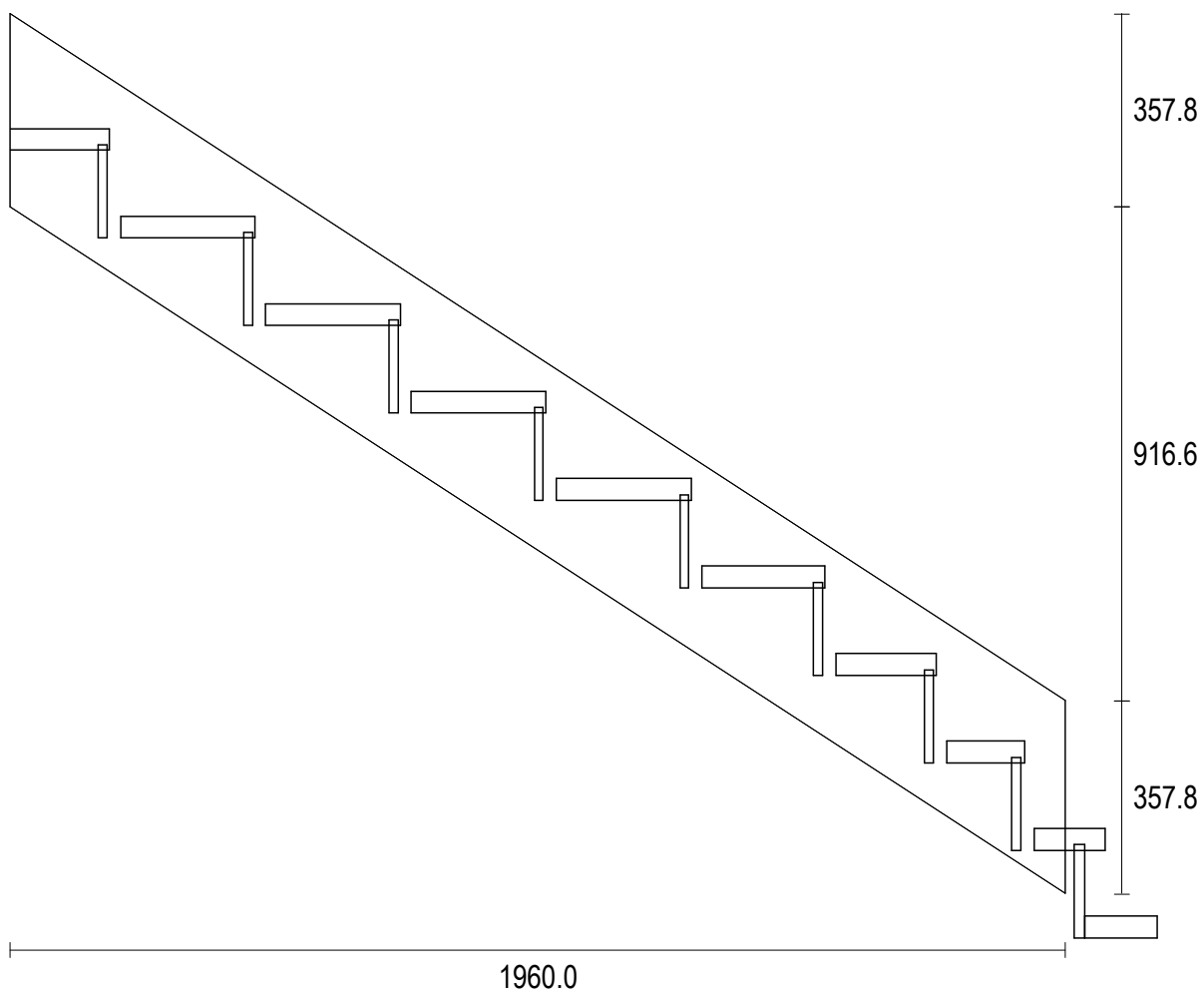
Dimensions : 1158.9 x 300.0 (38.3°)



Dimensions : 1199.5 x 300.0 (40.9°)



Dimensions : 2533.0 x 300.0 (33.0°)



StairDesigner
Newel Post : 1

Joakim Lennartsson

joakim01v03
Scale : 1/18

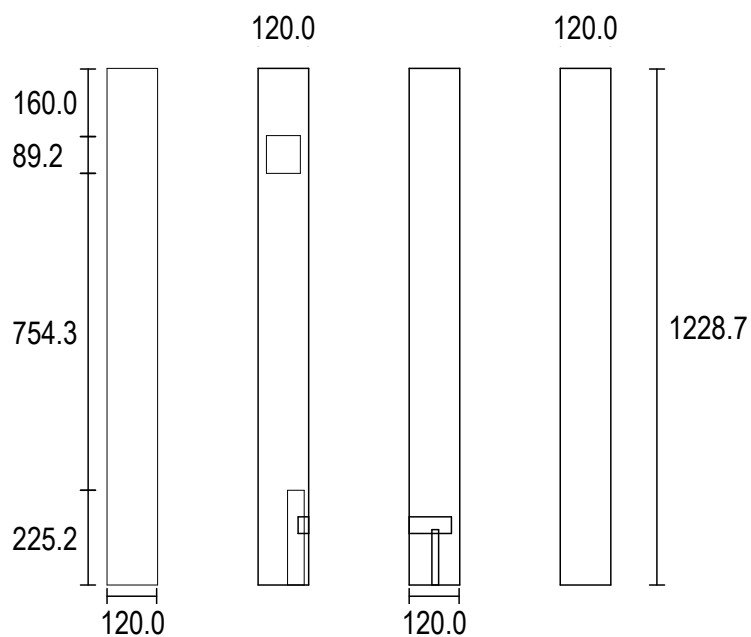
Extremity Newel Post Right Stringboard Flight : 1

Top View

Height : 1228.7

Step 1 Height : 162.3

Front 2 : Stringboard : 0.00 / 38.30 Handrail : 38.30



StairDesigner
Newel Post : 2

Joakim Lennartsson

joakim01v03
Scale : 1/18

Corner Newel Post Right Stringboard Flight : 1-2

Top View

Height : 2280.5

Angle : 90.00

Step 4 Height : 649.1

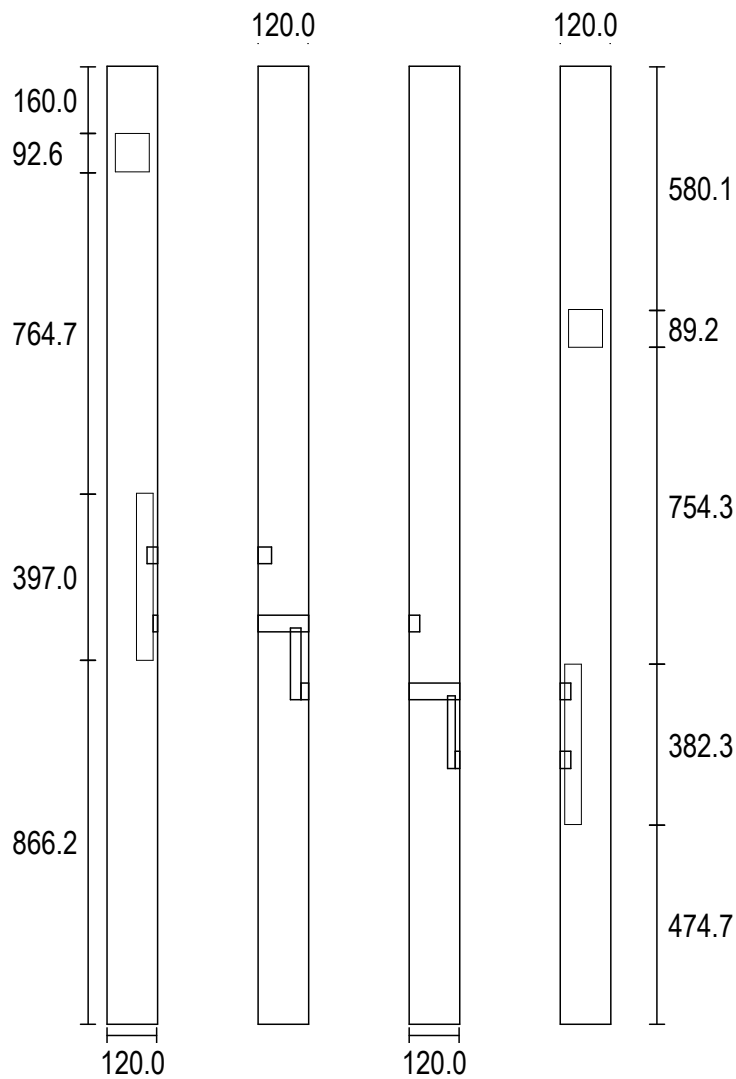
Step 5 Height : 811.4

Step 6 Height : 973.6

Step 7 Height : 1135.9

Front 1 : Stringboard : 40.91 Handrail : 40.91

Front 4 : Stringboard : 38.30 Handrail : 38.30



StairDesigner
Newel Post : 3

Joakim Lennartsson

joakim01v03
Scale : 1/18

Corner Newel Post Right Stringboard Flight : 2-3

Top View

Height : 2030.9

Angle : 90.00

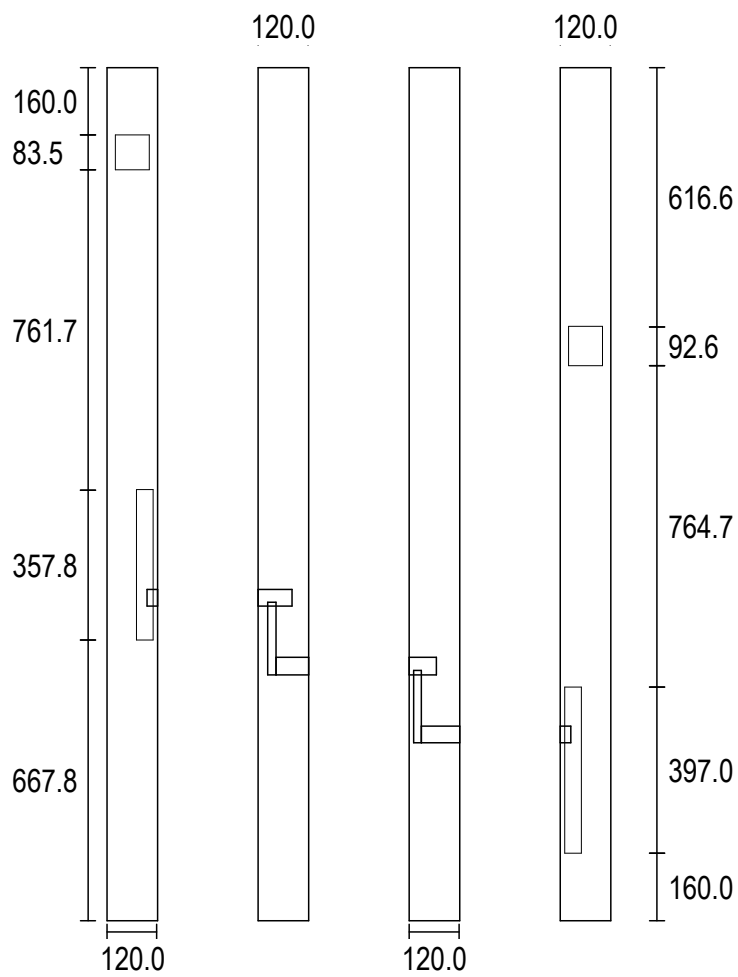
Step 11 Height : 463.5

Step 12 Height : 625.7

Step 13 Height : 788.0

Front 1 : Stringboard : 33.03 Handrail : 33.03

Front 4 : Stringboard : 40.91 Handrail : 40.91



Extremity Newel Post Right Stringboard Flight : 3

Top View

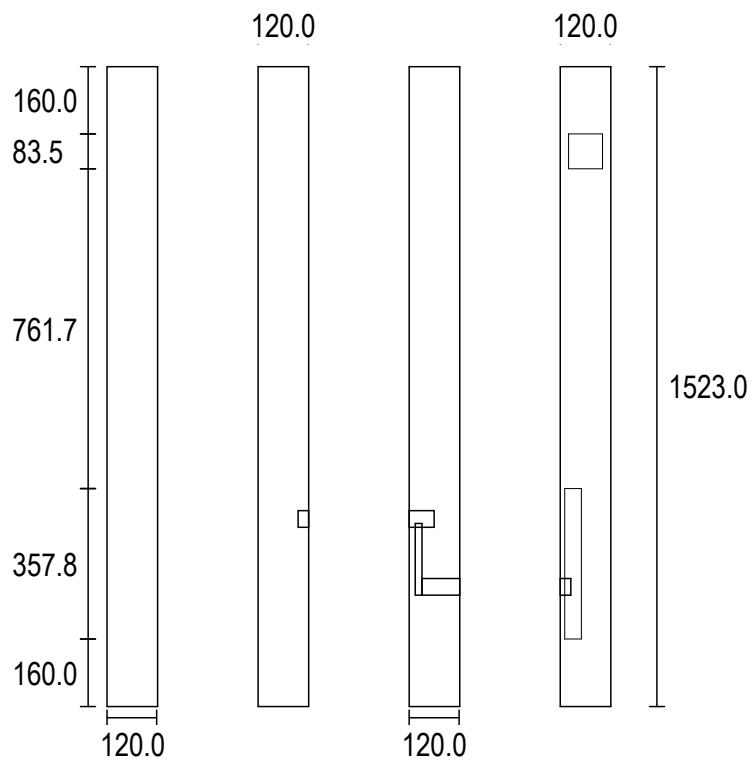
Height : 1523.0

Step 21 Height : 304.0

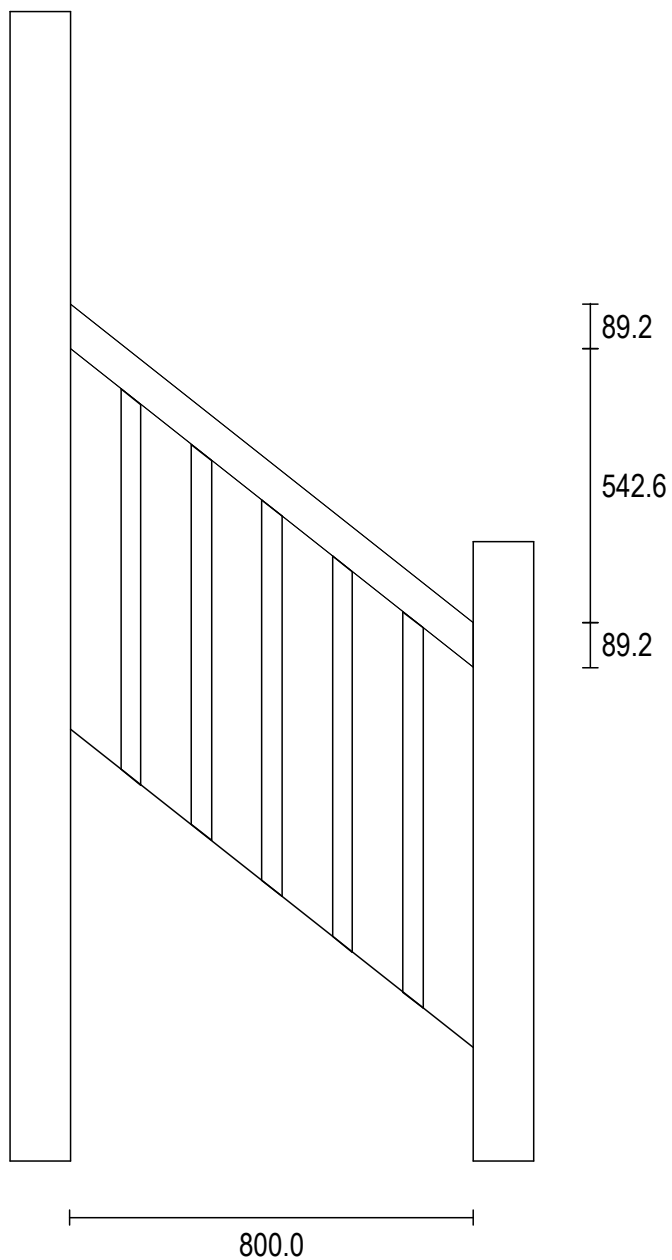
Step 22 Height : 466.2



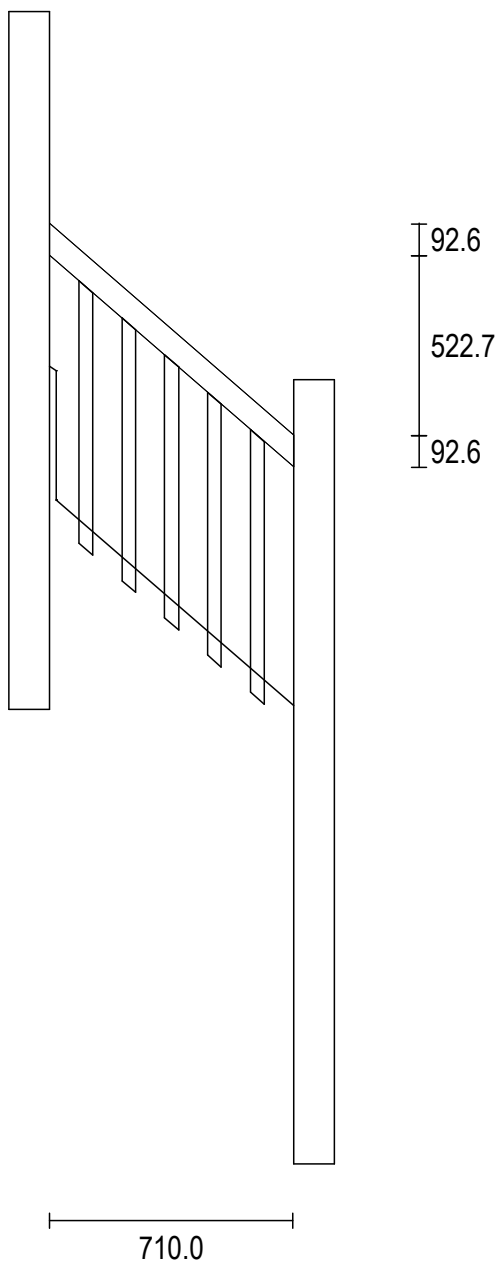
Front 4 : Stringboard : 33.03 Handrail : 33.03



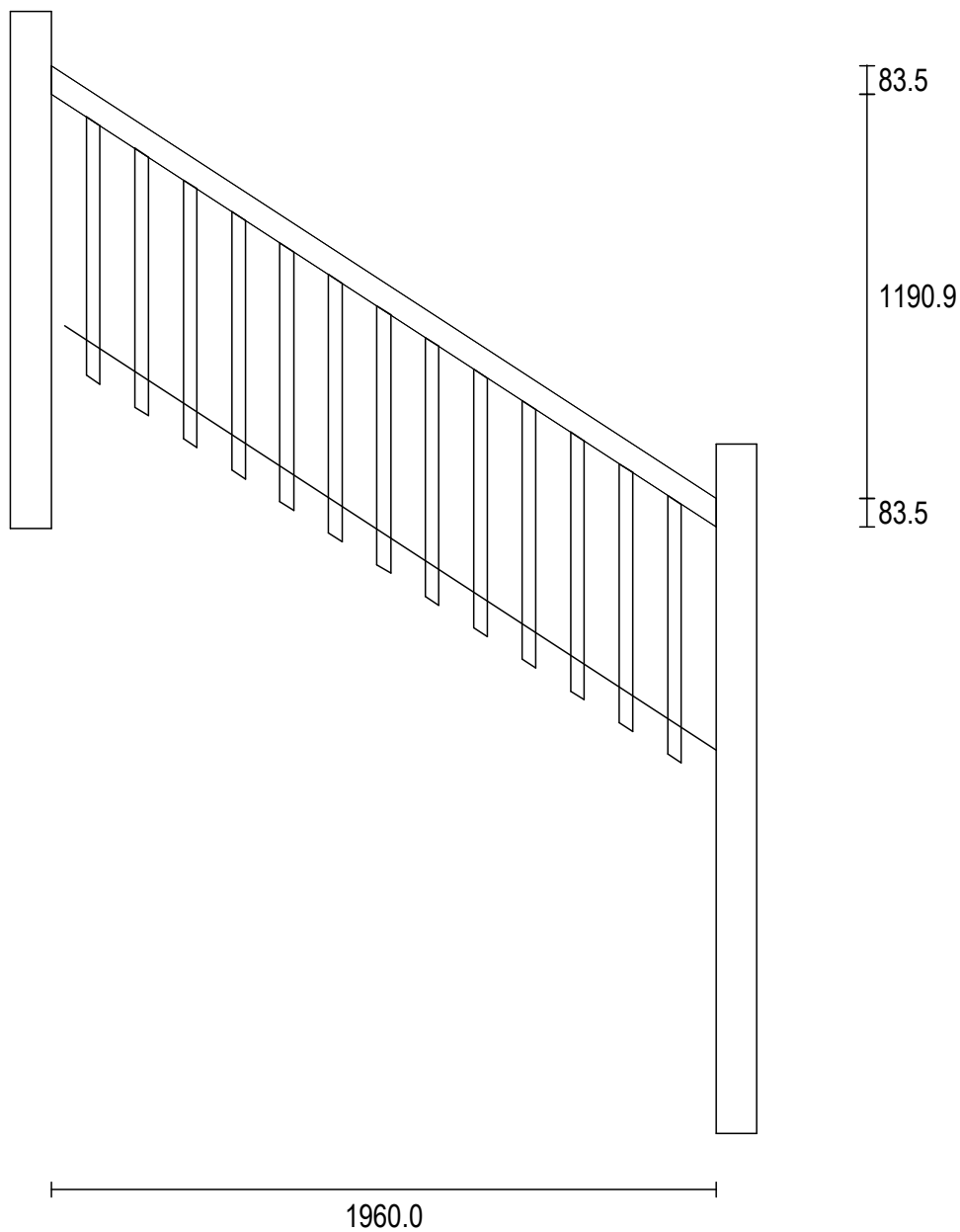
Dimensions : 1074.7 x 70.0 (38.3°)



Dimensions : 1000.2 x 70.0 (40.9°)



Dimensions : 2383.4 x 70.0 (33.0°)



StairDesigner
Banister : 1-3

Joakim Lennartsson

joakim01v03

Banister : 1

Flight : 1

Position : 240.0

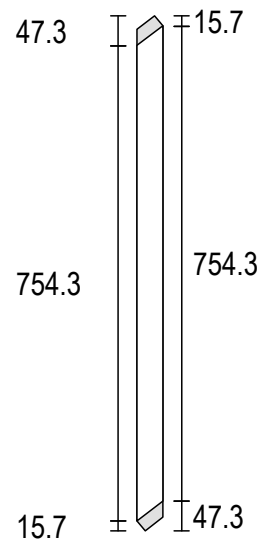
Height from Ground Level : 304.1

Angle : 38.30

Height : 817.3

Length : 40.0

Width : 28.0



Banister : 2

Flight : 1

Position : 380.0

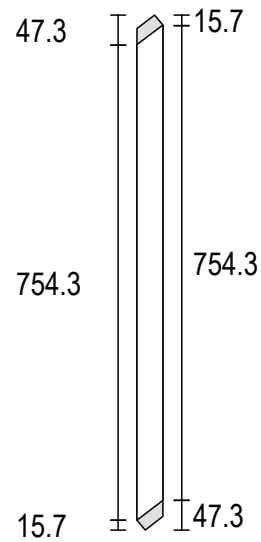
Height from Ground Level : 414.7

Angle : 38.30

Height : 817.3

Length : 40.0

Width : 28.0



Banister : 3

Flight : 1

Position : 520.0

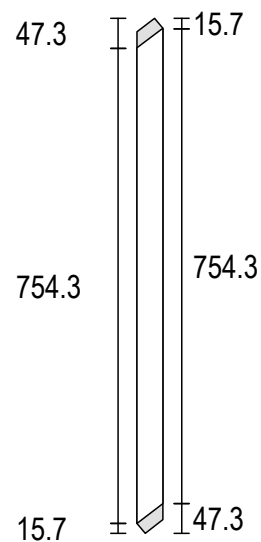
Height from Ground Level : 525.3

Angle : 38.30

Height : 817.3

Length : 40.0

Width : 28.0



StairDesigner
Banister : 4-6

Joakim Lennartsson

joakim01v03

Banister : 4

Flight : 1

Position : 660.0

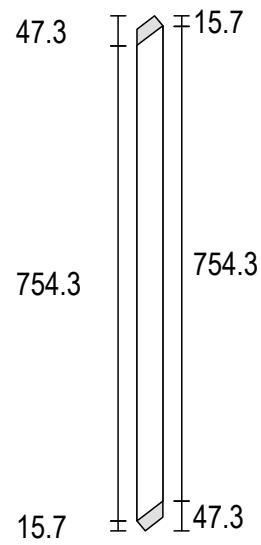
Height from Ground Level : 635.8

Angle : 38.30

Height : 817.3

Length : 40.0

Width : 28.0



Banister : 5

Flight : 1

Position : 800.0

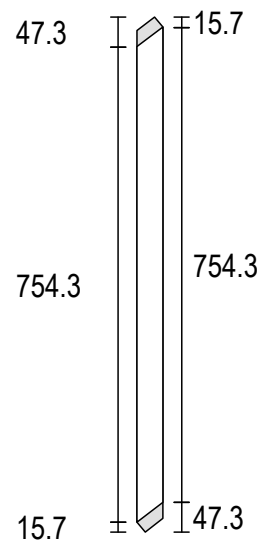
Height from Ground Level : 746.4

Angle : 38.30

Height : 817.3

Length : 40.0

Width : 28.0



Banister : 6

Flight : 2

Position : 165.0

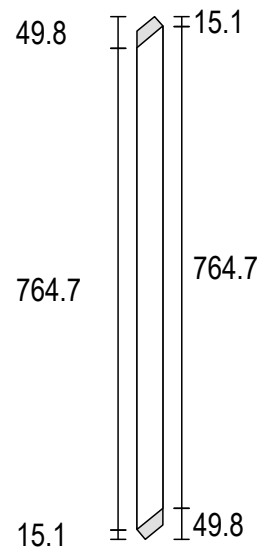
Height from Ground Level : 1336.9

Angle : 40.91

Height : 829.6

Length : 40.0

Width : 28.0



StairDesigner
Banister : 7-9

Joakim Lennartsson

joakim01v03

Banister : 7

Flight : 2

Position : 290.0

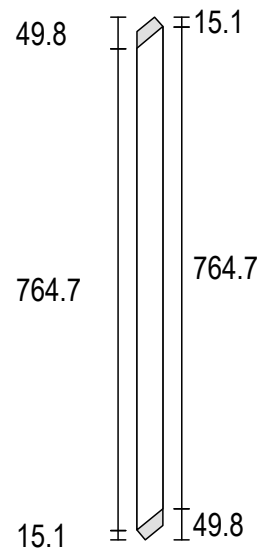
Height from Ground Level : 1445.2

Angle : 40.91

Height : 829.6

Length : 40.0

Width : 28.0



Banister : 8

Flight : 2

Position : 415.0

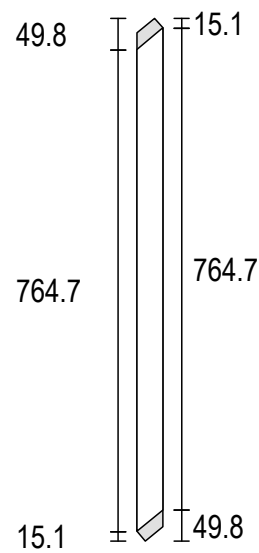
Height from Ground Level : 1553.5

Angle : 40.91

Height : 829.6

Length : 40.0

Width : 28.0



Banister : 9

Flight : 2

Position : 540.0

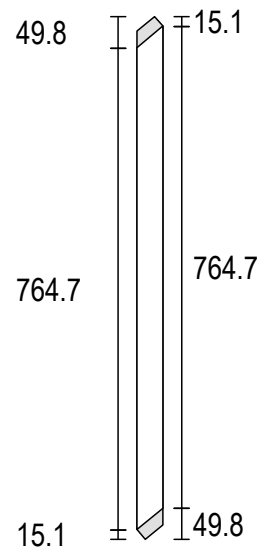
Height from Ground Level : 1661.9

Angle : 40.91

Height : 829.6

Length : 40.0

Width : 28.0



StairDesigner
Banister : 10-12

Joakim Lennartsson

joakim01v03

Banister : 10

Flight : 2

Position : 665.0

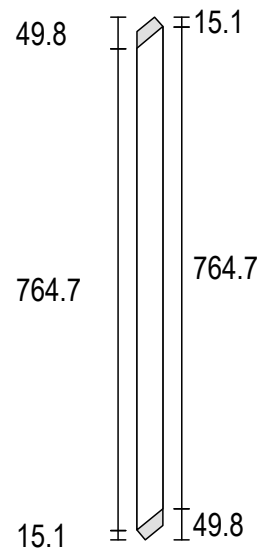
Height from Ground Level : 1770.2

Angle : 40.91

Height : 829.6

Length : 40.0

Width : 28.0



Banister : 11

Flight : 3

Position : 182.9

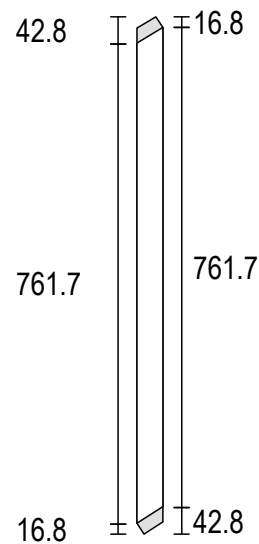
Height from Ground Level : 2414.1

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 12

Flight : 3

Position : 325.7

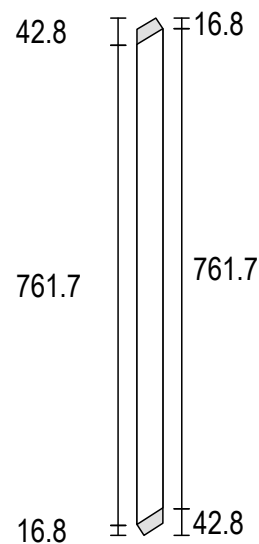
Height from Ground Level : 2507.0

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



StairDesigner
Banister : 13-15

Joakim Lennartsson

joakim01v03

Banister : 13

Flight : 3

Position : 468.6

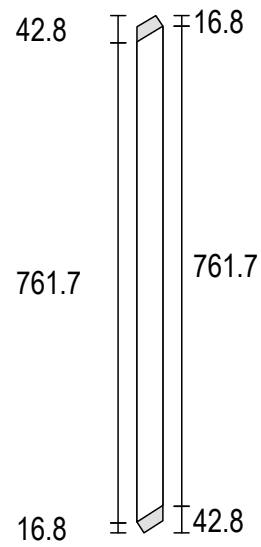
Height from Ground Level : 2599.8

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 14

Flight : 3

Position : 611.4

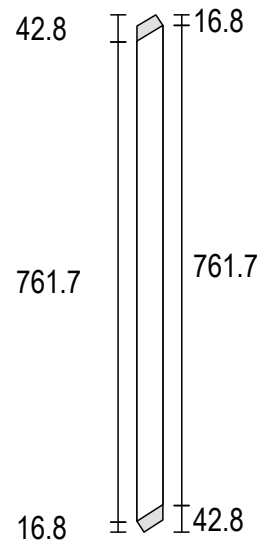
Height from Ground Level : 2692.7

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 15

Flight : 3

Position : 754.3

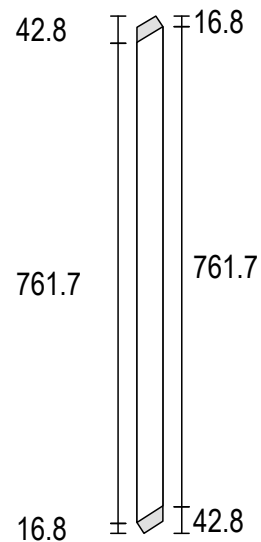
Height from Ground Level : 2785.6

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



StairDesigner
Banister : 16-18

Joakim Lennartsson

joakim01v03

Banister : 16

Flight : 3

Position : 897.1

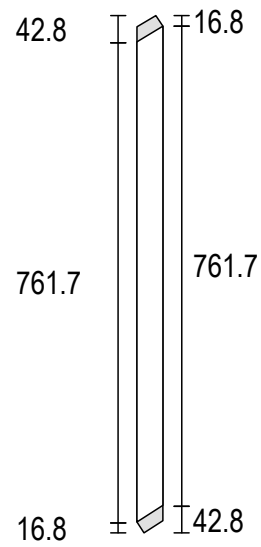
Height from Ground Level : 2878.5

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 17

Flight : 3

Position : 1040.0

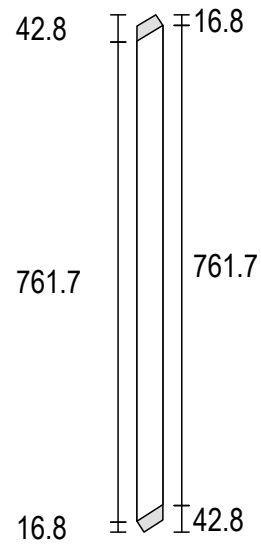
Height from Ground Level : 2971.4

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 18

Flight : 3

Position : 1182.9

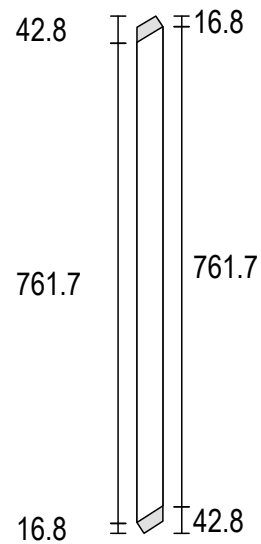
Height from Ground Level : 3064.3

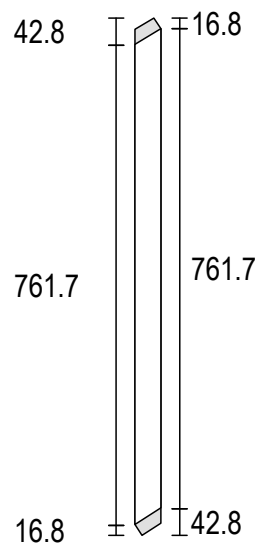
Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0





StairDesigner
Banister : 22-23

Joakim Lennartsson

joakim01v03

Banister : 22

Flight : 3

Position : 1754.3

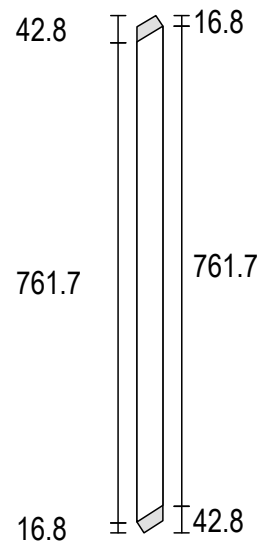
Height from Ground Level : 3435.8

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Banister : 23

Flight : 3

Position : 1897.1

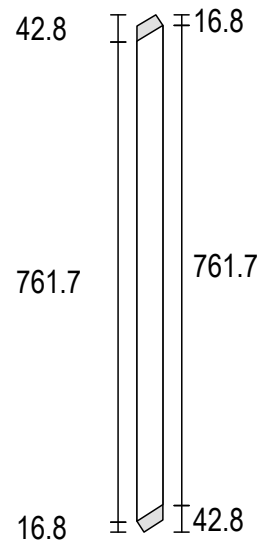
Height from Ground Level : 3528.7

Angle : 33.03

Height : 821.2

Length : 40.0

Width : 28.0



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 2	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 3	1050.0 x 373.2 x 40.0	0.0157 m ³	0.0126 m ³
Step 4	1115.0 x 434.7 x 40.0	0.0194 m ³	0.0127 m ³
Step 5	1336.1 x 554.9 x 40.0	0.0297 m ³	0.0157 m ³
Step 6	1548.4 x 498.9 x 40.0	0.0309 m ³	0.0184 m ³
Step 7	1250.3 x 416.1 x 40.0	0.0208 m ³	0.0132 m ³
Step 8	1114.6 x 396.9 x 40.0	0.0177 m ³	0.0125 m ³
Step 9	1058.1 x 343.9 x 40.0	0.0146 m ³	0.0125 m ³
Step 10	1069.4 x 412.5 x 40.0	0.0176 m ³	0.0126 m ³
Step 11	1204.0 x 488.9 x 40.0	0.0235 m ³	0.0137 m ³
Step 12	1492.7 x 554.4 x 40.0	0.0331 m ³	0.0190 m ³
Step 13	1372.0 x 433.5 x 40.0	0.0238 m ³	0.0146 m ³
Step 14	1168.6 x 380.7 x 40.0	0.0178 m ³	0.0126 m ³
Step 15	1094.7 x 359.2 x 40.0	0.0157 m ³	0.0125 m ³
Step 16	1060.6 x 321.5 x 40.0	0.0136 m ³	0.0125 m ³
Step 17	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 18	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 19	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 20	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 21	1050.0 x 300.1 x 40.0	0.0126 m ³	0.0125 m ³
Step 22	1040.0 x 60.0 x 40.0	0.0025 m ³	0.0025 m ³
Riser 1	1040.0 x 132.3 x 16.0	0.0022 m ³	0.0022 m ³
Riser 2	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 3	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 4	1062.9 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 5	1129.4 x 172.3 x 16.0	0.0031 m ³	0.0031 m ³
Riser 6	1421.1 x 172.3 x 16.0	0.0039 m ³	0.0039 m ³
Riser 7	1216.1 x 172.3 x 16.0	0.0034 m ³	0.0033 m ³
Riser 8	1086.2 x 172.3 x 16.0	0.0030 m ³	0.0030 m ³
Riser 9	1051.3 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 10	1052.1 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 11	1091.7 x 172.3 x 16.0	0.0030 m ³	0.0030 m ³
Riser 12	1231.8 x 172.3 x 16.0	0.0034 m ³	0.0034 m ³
Riser 13	1314.9 x 172.3 x 16.0	0.0036 m ³	0.0036 m ³
Riser 14	1127.6 x 172.3 x 16.0	0.0031 m ³	0.0031 m ³
Riser 15	1067.4 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 16	1051.6 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 17	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 18	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 19	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 20	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 21	1050.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Riser 22	1040.0 x 172.3 x 16.0	0.0029 m ³	0.0029 m ³
Right Stringboard 1	1158.9 x 300.0 x 40.0	0.0139 m ³	0.0116 m ³
Right Stringboard 2	1199.5 x 300.0 x 40.0	0.0144 m ³	0.0113 m ³
Right Stringboard 3	2533.0 x 300.0 x 40.0	0.0304 m ³	0.0281 m ³
Left Stringboard 1	2327.1 x 361.9 x 40.0	0.0337 m ³	0.0230 m ³
Left Stringboard 2	3310.1 x 349.2 x 40.0	0.0462 m ³	0.0333 m ³

Piece	Dimensions	Cutting List Volume	Real Volume
Left Stringboard 3	3719.3 x 434.9 x 40.0	0.0647 m ³	0.0375 m ³
Right Handrail 1	1074.7 x 70.0 x 80.0	0.0060 m ³	0.0057 m ³
Right Handrail 2	1000.2 x 70.0 x 80.0	0.0056 m ³	0.0053 m ³
Right Handrail 3	2383.4 x 70.0 x 80.0	0.0133 m ³	0.0131 m ³
Newel Post 1	120.0 x 120.0 x 1228.7	0.0177 m ³	0.0177 m ³
Newel Post 2	120.0 x 120.0 x 2280.5	0.0328 m ³	0.0328 m ³
Newel Post 3	120.0 x 120.0 x 2030.9	0.0292 m ³	0.0292 m ³
Newel Post 4	120.0 x 120.0 x 1523.0	0.0219 m ³	0.0219 m ³
Banister 1	40.0 x 28.0 x 817.3	0.0009 m ³	0.0009 m ³
Banister 2	40.0 x 28.0 x 817.3	0.0009 m ³	0.0009 m ³
Banister 3	40.0 x 28.0 x 817.3	0.0009 m ³	0.0009 m ³
Banister 4	40.0 x 28.0 x 817.3	0.0009 m ³	0.0009 m ³
Banister 5	40.0 x 28.0 x 817.3	0.0009 m ³	0.0009 m ³
Banister 6	40.0 x 28.0 x 829.6	0.0009 m ³	0.0009 m ³
Banister 7	40.0 x 28.0 x 829.6	0.0009 m ³	0.0009 m ³
Banister 8	40.0 x 28.0 x 829.6	0.0009 m ³	0.0009 m ³
Banister 9	40.0 x 28.0 x 829.6	0.0009 m ³	0.0009 m ³
Banister 10	40.0 x 28.0 x 829.6	0.0009 m ³	0.0009 m ³
Banister 11	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 12	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 13	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 14	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 15	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 16	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 17	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 18	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 19	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 20	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 21	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 22	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³
Banister 23	40.0 x 28.0 x 821.2	0.0009 m ³	0.0009 m ³

Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.3846 m ³	0.2856 m ³		
Risers	0.0664 m ³	0.0662 m ³		
Stringboards	0.2033 m ³	0.1447 m ³		
Handrails	0.0250 m ³	0.0241 m ³		
Newel Posts	0.1017 m ³	0.1017 m ³		
Banisters	0.0212 m ³	0.0207 m ³		
Total	0.8022 m³	0.6430 m³		