111.655

LED-Desk top lamp Wood

Necessary tools

Fretsaw
Drills dia.6/8/10mm
Sandpaper etc file
Countersink
Round nose pliers
Side cutters
Pencil,ruler
Soldering and solder

Please Note

The OPITEC range of projects is not intended as play toys for young children.They are teaching aids for young people learning the skills of Craft, Design and Technolo- gy.These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallo- wed. Dan- ger of suffocation!

PART LIST				
	Quantity	Size in mm	Description	Part Nr.
Plywood	1	300x210x5	Base+sides+shelves	1
Wood strip	4	250x20x5	Back + divider + front	2
USB-LED lamp less plug	1		Lighting	3
Miniature switch	1		On/off switch	4
Cable clip	1		Lamp fixing	5
Battery clip	1		Battery connection	6
Screws	1		Fixings	7
Resistor 220 Ohm	1		Resistor	8

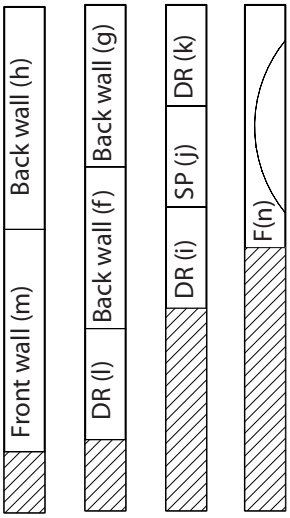
INSTRUCTIONS

General

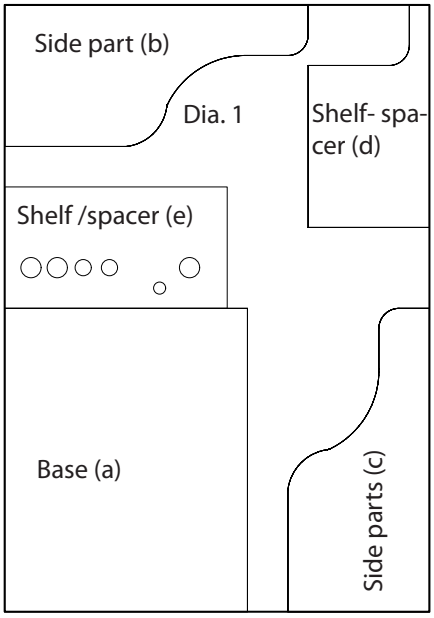
The cable can be connected by twisting or soldering

1. Trace the patterns (Page 5) on to the plywood (1) and on to the wood strips (2) see diagram 1

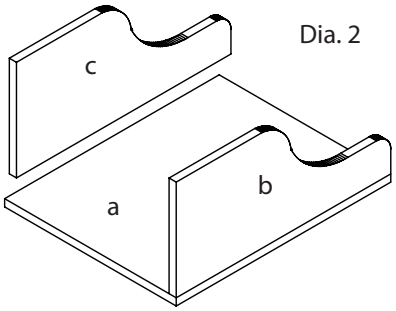
2. Saw out all the parts with a fretsaw (hand or machine) and then sand the edges
Drill the hole in piece (e) Use a countersink to finish



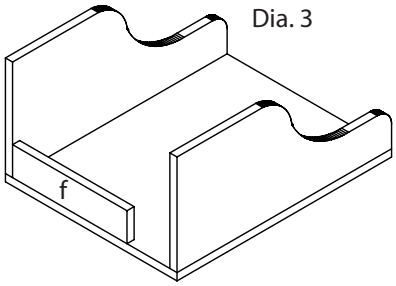
Divider = DR
Front = F



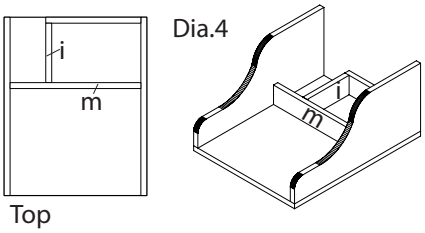
Construction:



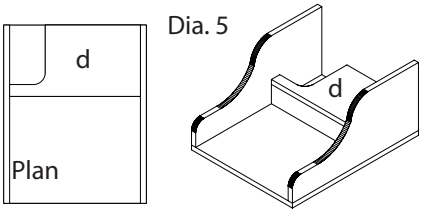
3. Glue the side parts (b+c) on te base (a) see (Dia.1)



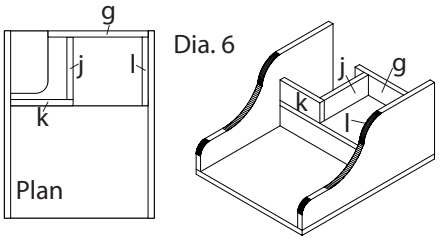
4. Glue the back wall (f) and the side parts (c) on the base (a) (Dia.3)



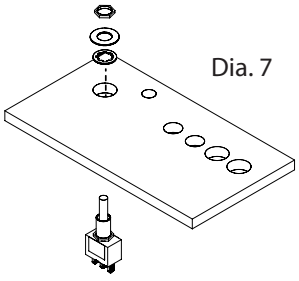
5. Glue in the dividers (i) and (m) as shown in the plan . (Dia.4)



6. Glue in the shelf (d) as shown in dia.5



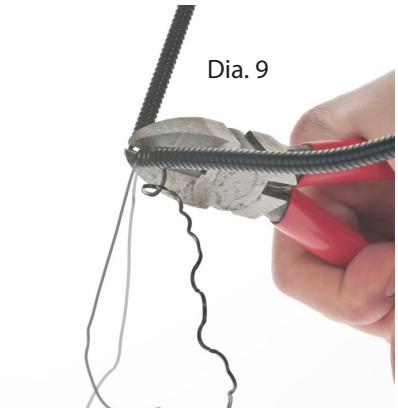
7. Glue the rear wall (g), and dividers (j,k,l) on the shelf as shown (Dia. 6)



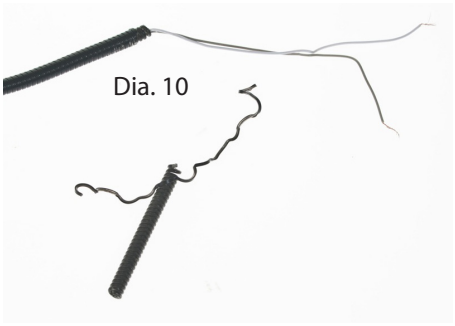
8. Mount the switch (4) in the hole in the shelf (e) and tighten. dia.7

INSTRUCTIONS

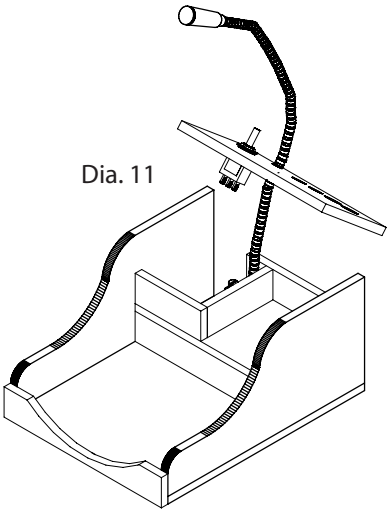
9. On the lamp (3) bend up about ca. 50 mm fom the coiled metal casing. Using pliers bend the casing back and insert it through the hole with the cable (s. Dia.8)



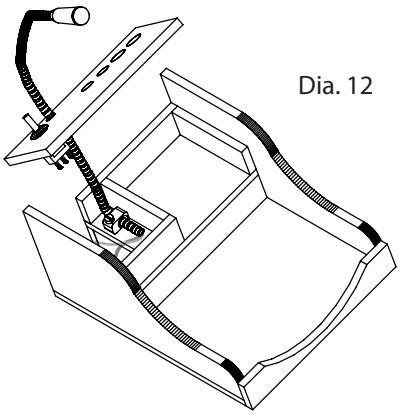
10. Cut the metal casing with side cutters (Dia. 9)



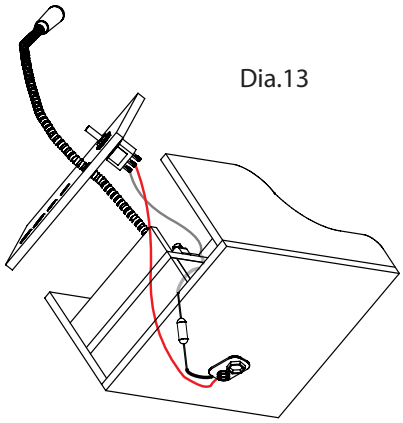
11. Remove the insulation from the cables ca. 10mm, twist the wires together and tin



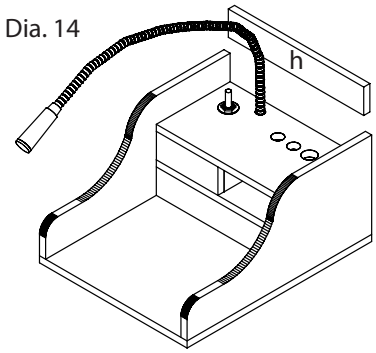
12. Insert the lamp (3) through the 6mm hole in the shelf (e) (Dia.11)



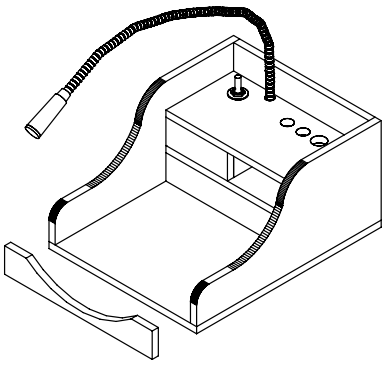
13. Fix the lamp (3)with the clips (5) and the screw (7) as shown (d)



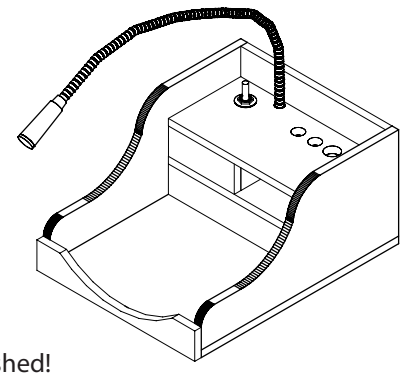
14. Twist together and solder the black cable fom the battery lead (6) and the light grey cable from the lamp(3) Solder/ twist the red battery lead to the middle connecter on the switch (4) Solder /twist the dark grey cable from the lamp to the outer connection on the switch
Function test:
Connect a 9 volt battery and switch on the lamp which should light
Finally glue in the shelf (e)



15. Glue the back wall (h)on the shelf (e) as shown and the side parts (b+c) (Dia. 14)



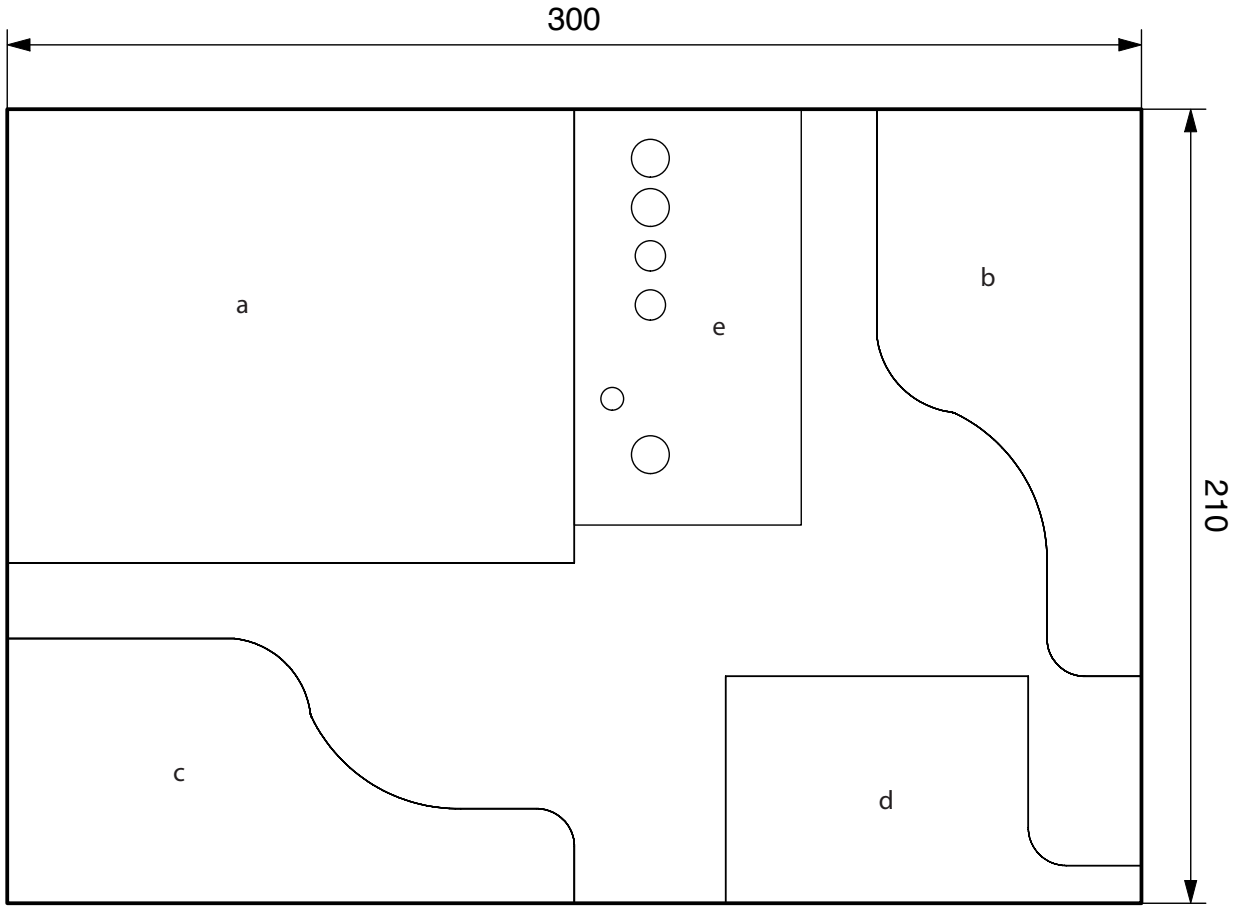
16. Glue the front (n) in place as shown (Dia.15)

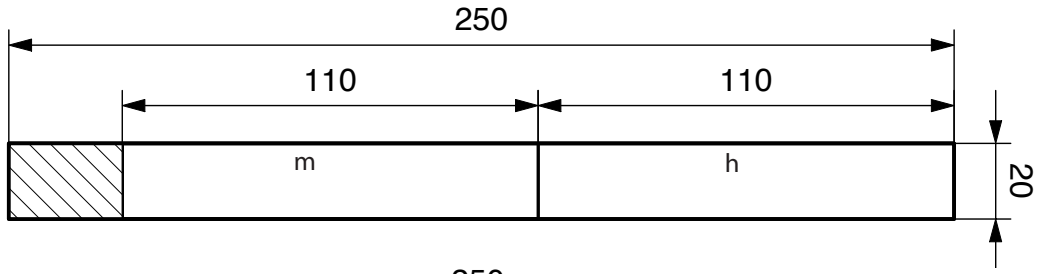


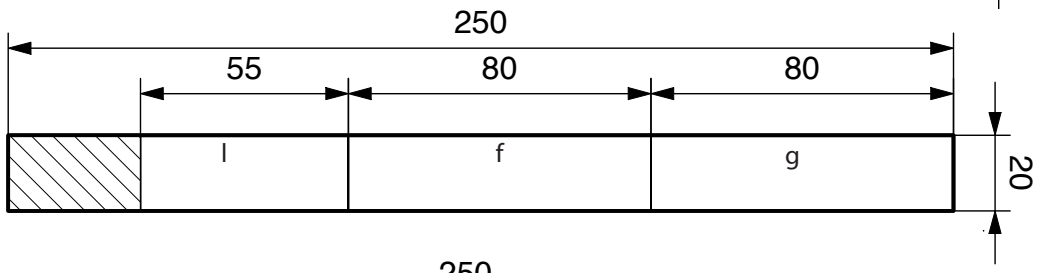
Finished!

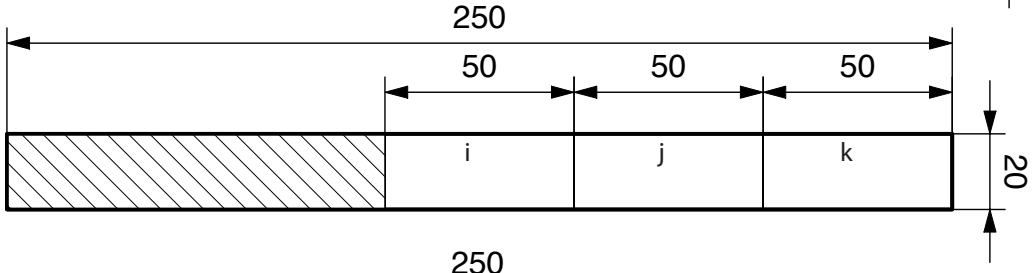
INSTRUCTIONS

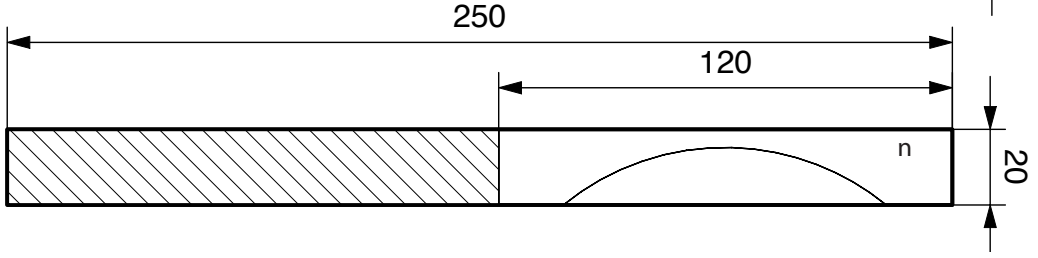
CUTTING PLAN
M 1:2







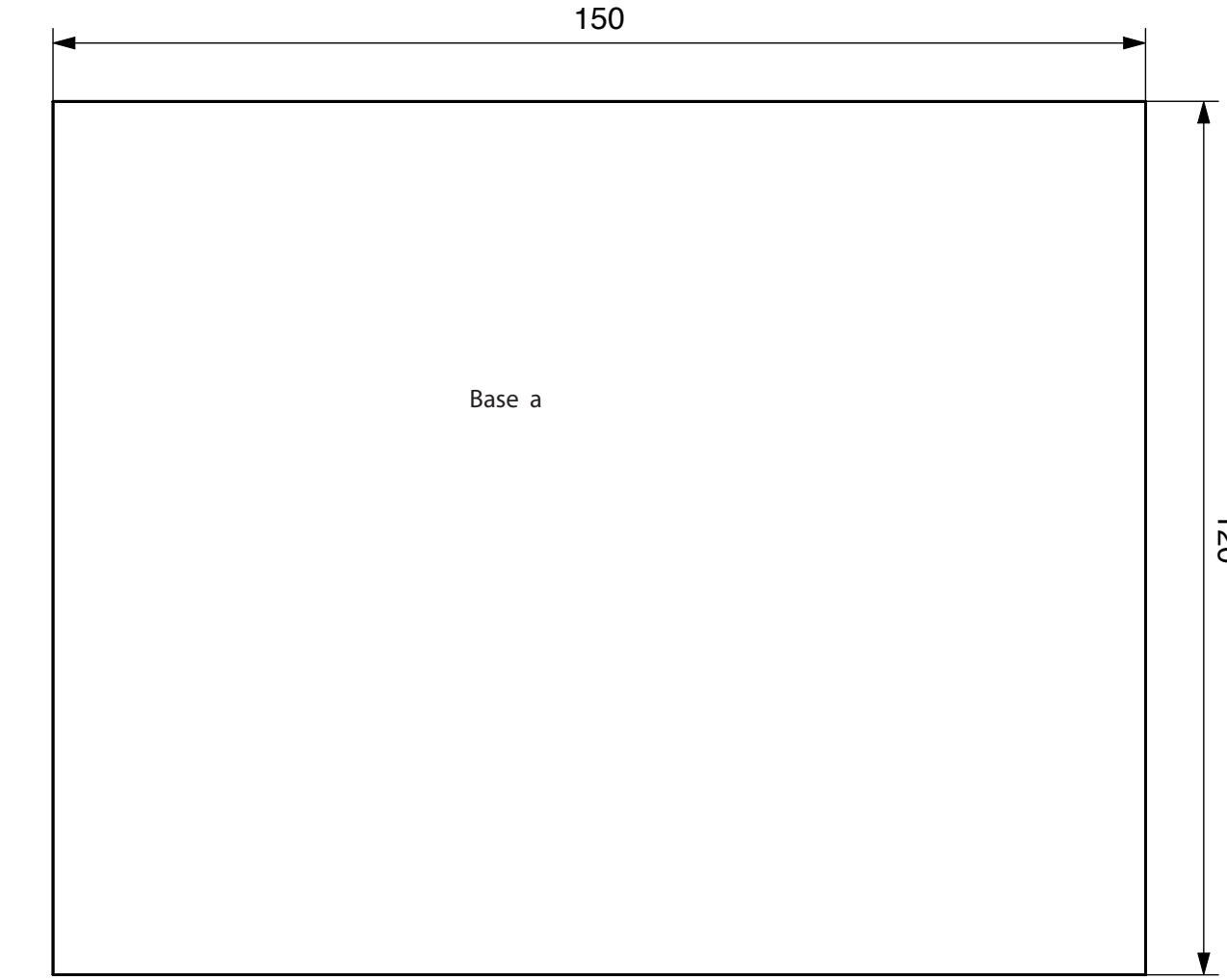


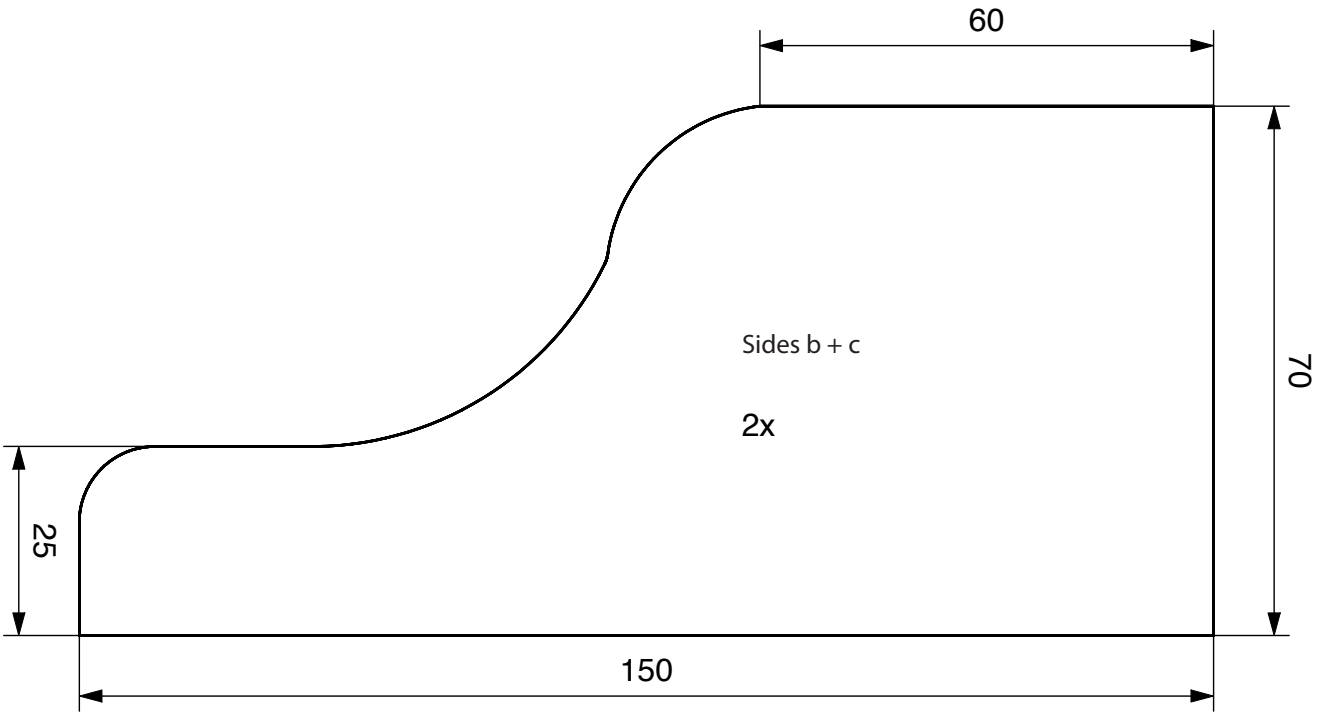


D111655#1

BAUANLEITUNG

Schablonen
Grundplatte/Seitentieile
M 1:1





INSTRUCTIONS

Patterns
Shelves/ strips
Scale 1:1