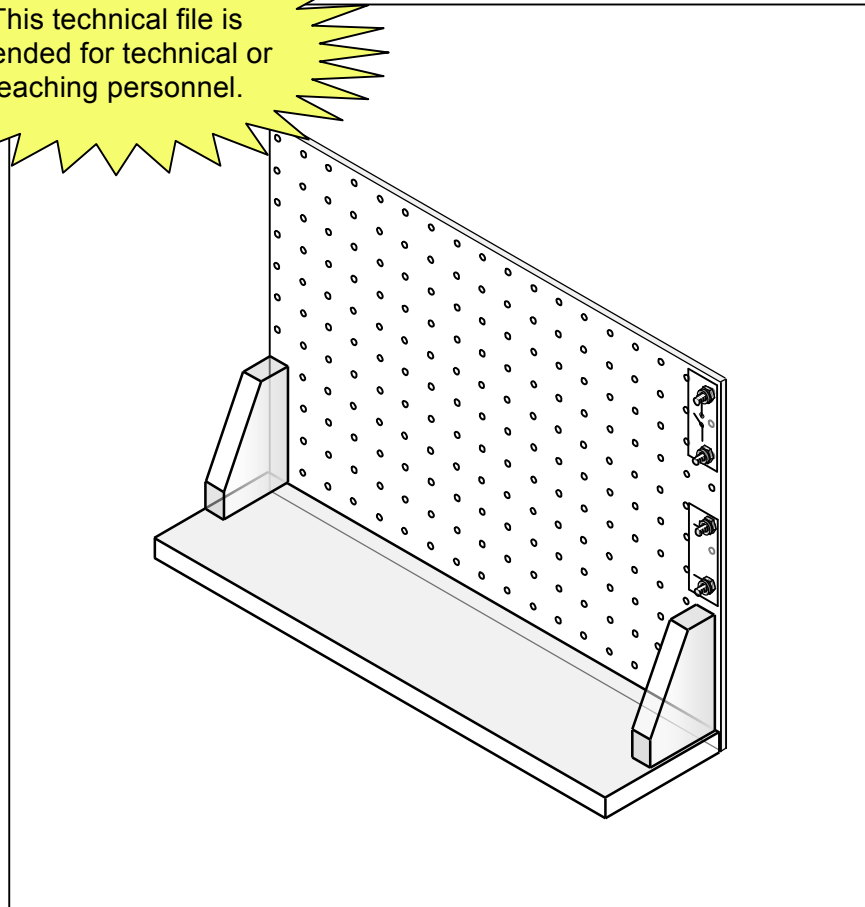
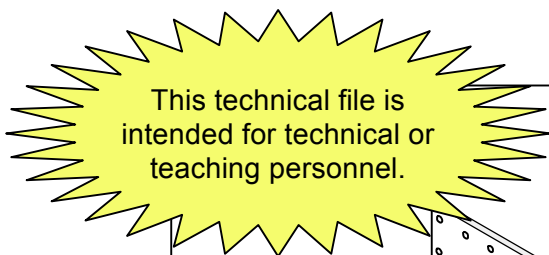


## TECHNICAL FILE OF THE PERFORATED PANEL



**« FIND THE SOLUTION! » LES**

**FABRICATION RANGE**

ELEMENT: PERFORATED PANEL

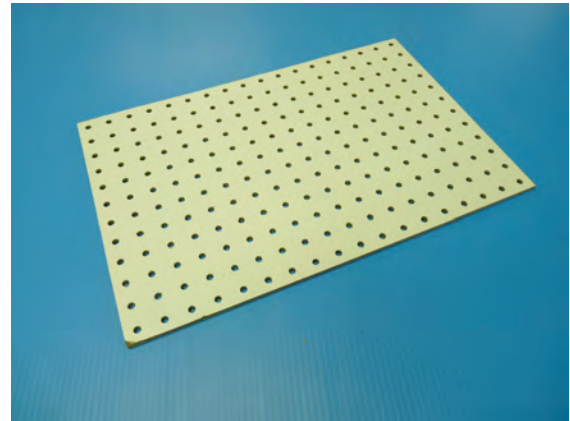
SET: FIND THE SOLUTION!

RANGE: 1

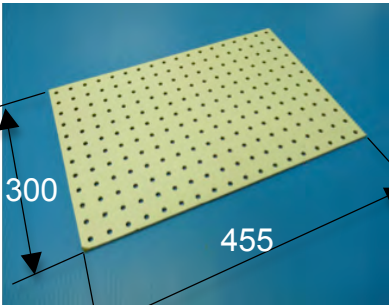
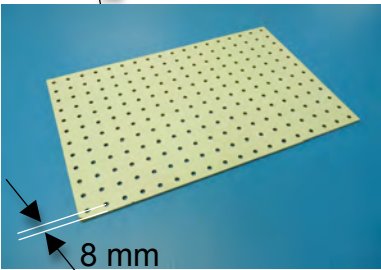
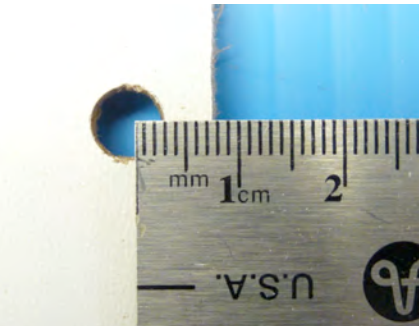
SHEET: 1 of 1

MATERIAL: Wood agglomerate

NUMBER: 1



N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
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10	<b>FABRICATION</b>		
11	In a perforated panel of wood agglomerate, cut out a piece 300 x 450 mm.		<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Tape measure</li> <li>- Panel saw or</li> <li>- Band saw or</li> <li>- Table saw</li> </ul>
12	<p>The panel must be cut at a distance of 8 mm from the center of the first row of holes.</p> <p><b>NOTE:</b> It is important to respect this measurement. By doing so, it will be easier to assemble the panel to the base</p>	 	<ul style="list-style-type: none"> <li>- Ruler</li> </ul>

**FABRICATION RANGE**

ELEMENT: **BASE**

SET : **FIND THE SOLUTION!**

RANGE: **2**

SET: **1 of 1**

NUMBER: **1**

MATERIAL: **MDF**



N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
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10	<b>FABRICATION</b>		
11	In a 115mm X 16mm (4.5 in. x 5/8 in.) MDF board, cut a length of 455mm (18 in.)		<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Ruler</li> <li>- Panel saw</li> <li>- Carpenter's square</li> </ul>
12	Using sandpaper, sand and chamfer the ends.		<ul style="list-style-type: none"> <li>- Sand paper</li> </ul>
13	Ensure that the board and the perforated panel are the same length. Adjust as necessary.		

**FABRICATION RANGE**

ELEMENT: **SQUARE**

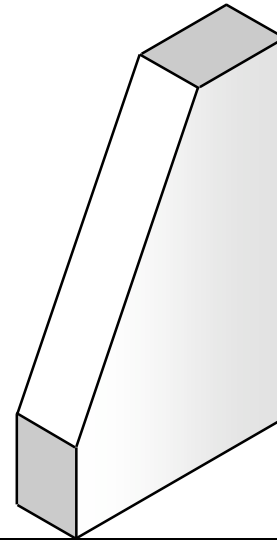
SET: **FIND THE SOLUTION!**

RANGE: **3**


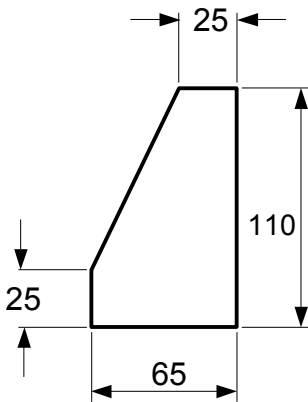

SHEET: **1 of 2**

NUMBER: **2**



MATERIAL : **PINE**



N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
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10	<b>FABRICATION</b>		
11	In a pine board 16mm thick by 65mm wide, cut two 110 mm pieces.		<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Ruler</li> <li>- Carpenter's square</li> <li>- Band saw</li> <li>or</li> <li>- Panel saw</li> </ul>
12	Trace a diagonal line on each part using the drawing to the right.	 	<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Ruler</li> <li>- Carpenter's square</li> </ul>

FABRICATION RANGE FOR THE SQUARES			SHEET: 2 of 2
N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS

13	<p>Using a panel saw or the band saw, cut out the pieces as shown.</p> <p>File as needed.</p>		<ul style="list-style-type: none"> <li>- Band saw or Panel saw</li> <li>- Semi-smooth file</li> </ul>
14	<p>Sand and chamfer the edges.</p>		<ul style="list-style-type: none"> <li>- Sand paper</li> </ul>

**ASSEMBLY RANGE**

ELEMENT: **PANEL - BASE - SQUARE**

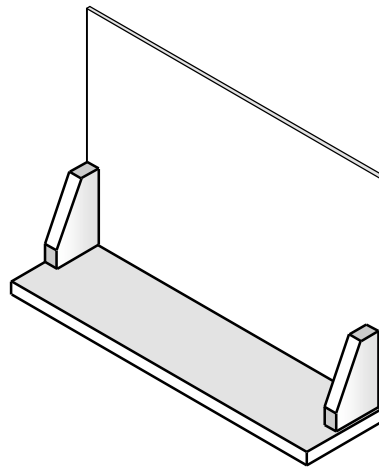
SET: **FIND THE SOLUTION!**

RANGE: **5**

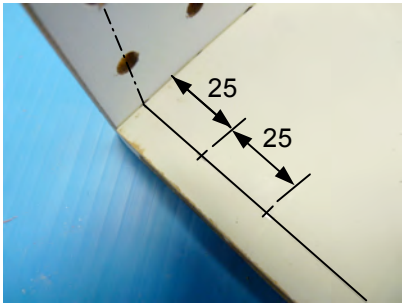
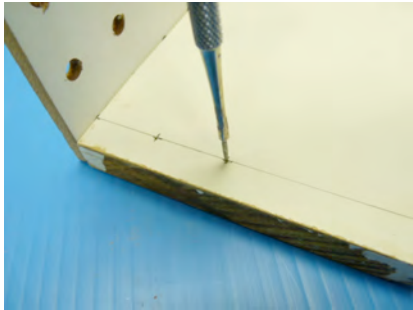
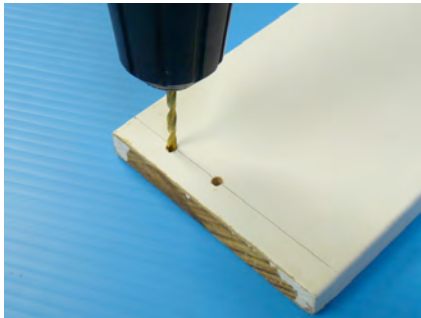
SHEET: **1 of 5**


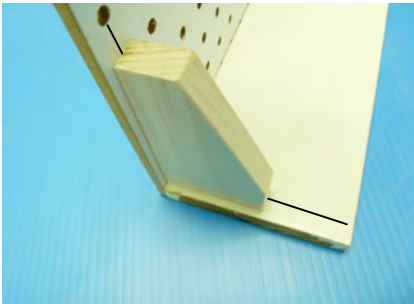

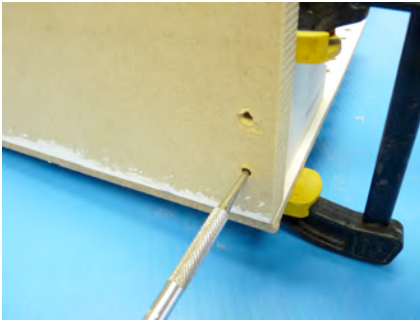
NUMBER: **1**

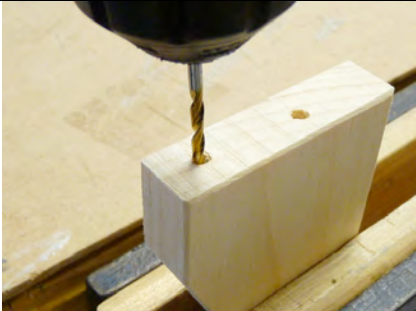
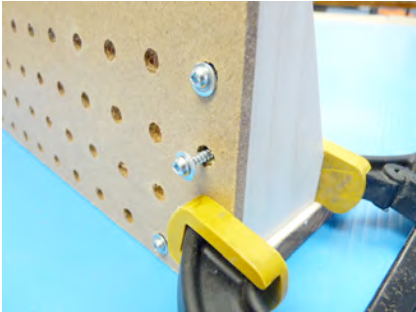
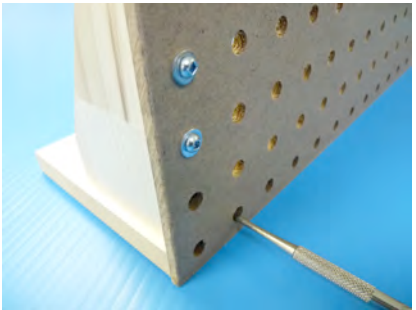
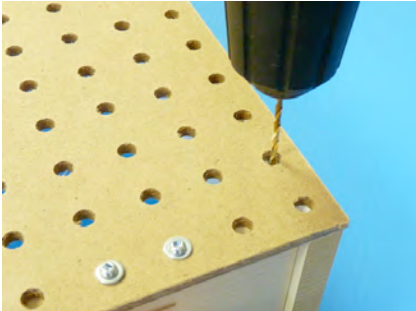
MATERIALS: **Various**



N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
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10	<b>PANEL - BASE - SQUARE</b>		
11	<p>Align the panel and the base.</p> <p>On the base, trace a line perpendicular to the panel that prolongs the axis of the holes.</p> <p>Trace the center of the holes as shown. This will allow you to affix the squares.</p> <p>Repeat this operation for the other extremity.</p>		<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Carpenter's square</li> <li>- Ruler</li> </ul>
12	<p>Punch the placement of the holes at each extremity of the base.</p>		<ul style="list-style-type: none"> <li>- Punch</li> <li>- Hammer</li> </ul>
13	<p>Drill the two holes with a 3mm diameter at each extremity of the base.</p>		<ul style="list-style-type: none"> <li>- Drill</li> <li>- 3 mm Ø bit</li> </ul>

ASSEMBLY RANGE: PANEL - BASE - SQUARE			SHEET: 2 of 5
N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
14	Countersink the four holes under the base.		<ul style="list-style-type: none"> <li>- Drill</li> <li>- Countersink</li> </ul>
15	Center the square in relation to the line drawn on the board, as well as on the axis of the holes in the panel.		<ul style="list-style-type: none"> <li>- Pencil</li> <li>- Ruler</li> </ul>
16	Hold the square using a clamp.		<ul style="list-style-type: none"> <li>- Clamp</li> </ul>
17	Punch the square through the holes drilled in the base.		<ul style="list-style-type: none"> <li>- Punch</li> <li>- Hammer</li> </ul>

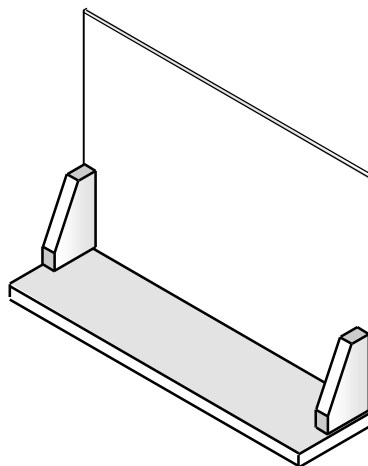
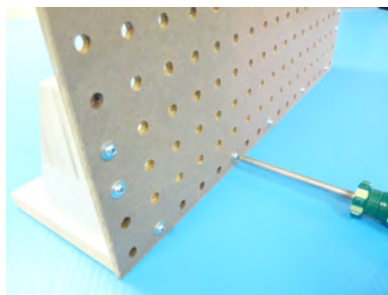
ASSEMBLY RANGE: PANEL - BASE - SQUARE			SHEET: 3 of 5
N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
18	Drill two pilot holes 3/32 in. in diameter in the squares.		<ul style="list-style-type: none"> <li>- Drill</li> <li>- 3/32 in. bit</li> <li>- Bench vise</li> </ul>
19	Using four N° 6 - 1 ½ in. round head screws and washers, affix each square to the perforated panel and to the base.		<ul style="list-style-type: none"> <li>- Screwdriver</li> <li>- clamp</li> <li>- N°6 - 1 1/2 in. screw</li> <li>- Washers</li> </ul>
<b>20</b>	<b>PANEL – BASE</b>		
21	Starting at the second hole of the perforated panel, punch 5 holes, spreading them out over the length of the panel.		<ul style="list-style-type: none"> <li>- Punch</li> <li>- Hammer</li> </ul>
22	Pilot drill these five holes with a 3/32 in. diameter through the perforated panel.		<ul style="list-style-type: none"> <li>- Perceuse</li> <li>- Foret Ø 3/32 po.</li> </ul>




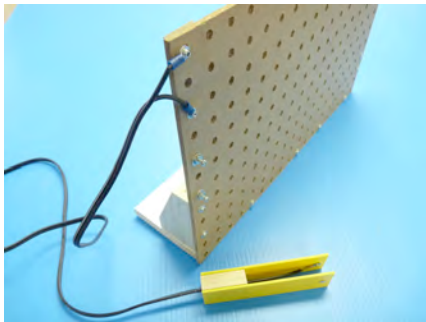
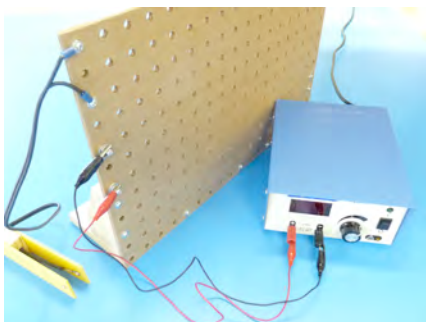
N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
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23

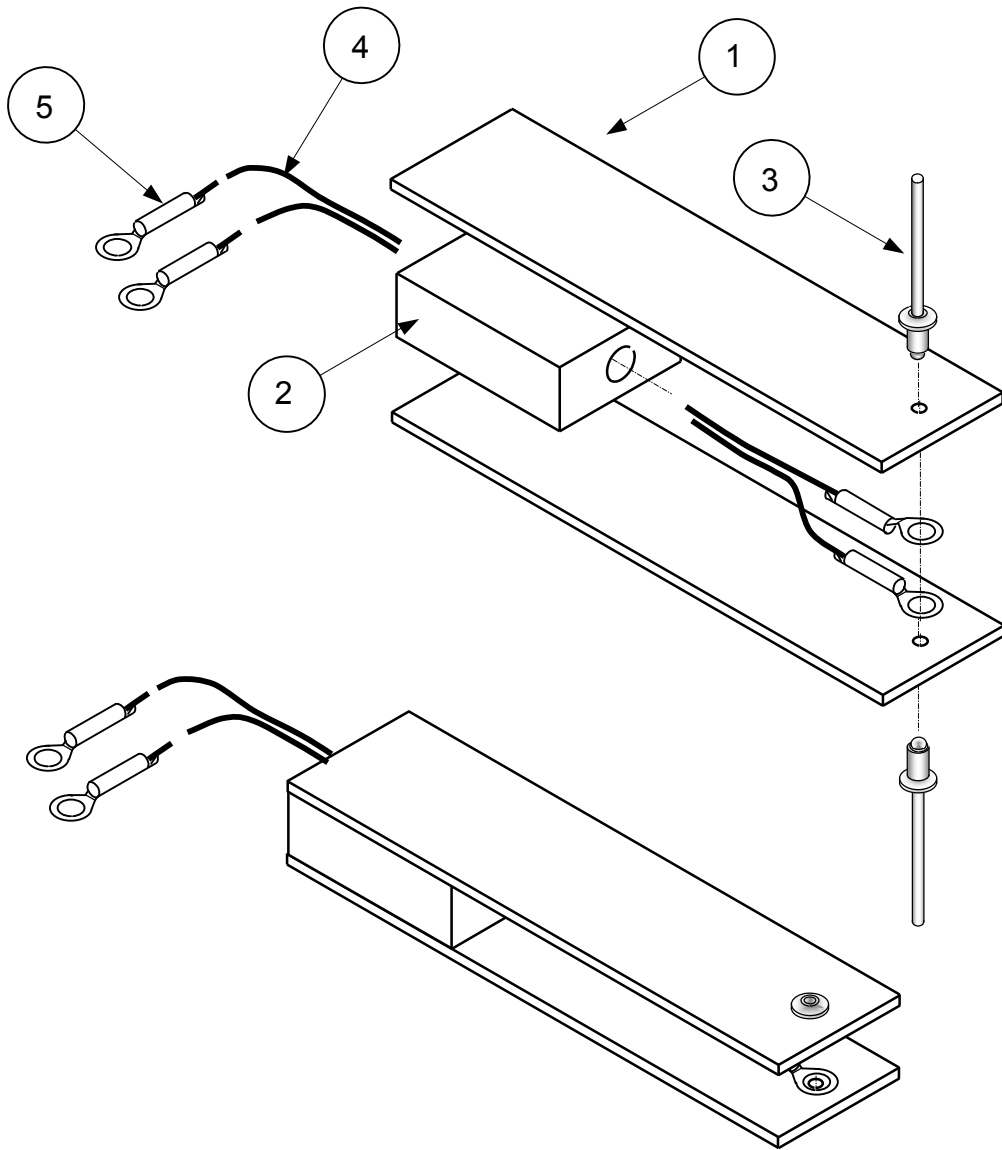
Visser le panneau perforé à la base à l'aide de cinq vis à tête ronde N° 6 - 1 ½ po.



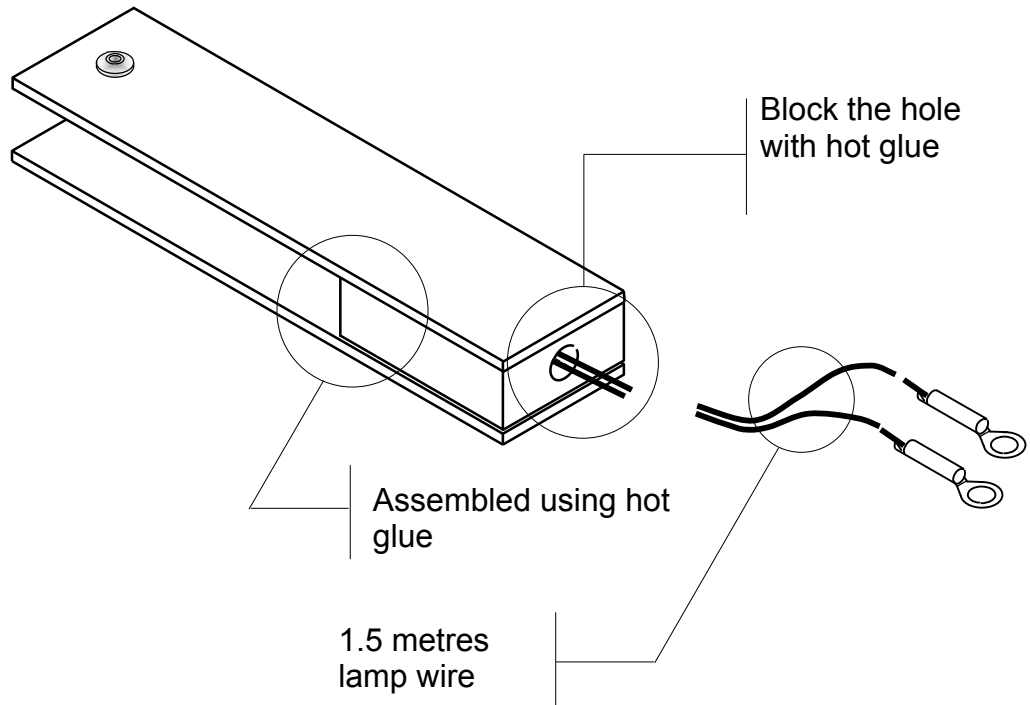
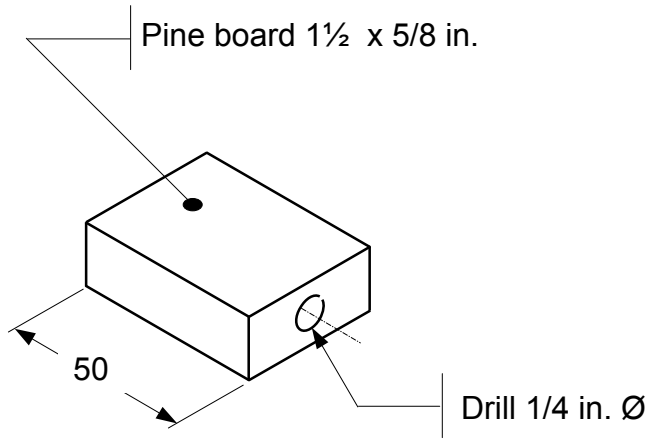
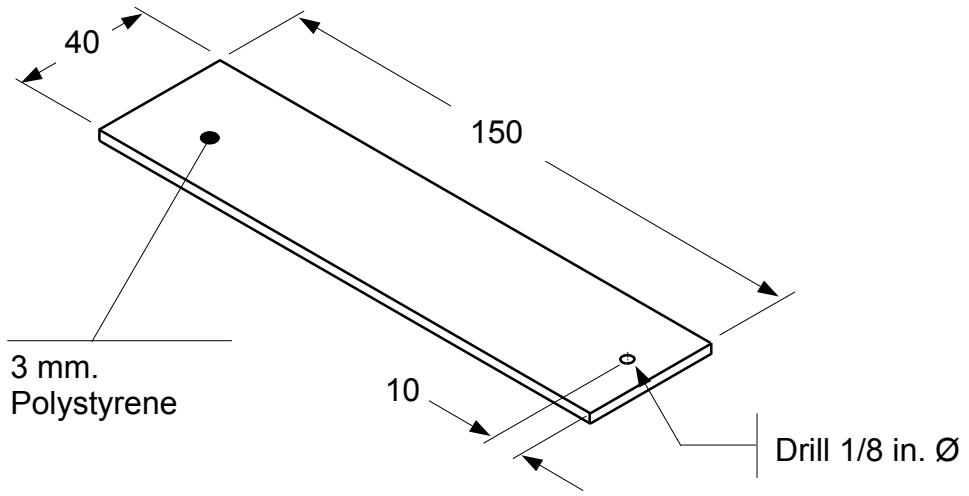
- Tournevis
- Vis N° 6 - 1 ½ po.

ASSEMBLY RANGE: PANEL - BASE - SQUARE			SHEET: 5 of 5
N°	PHASE, SUB-PHASE OR OPERATION	PHOTO OR DRAWING	MACHINE-TOOL, TOOLS
30	<b>INSTALLATION DES BORNES</b>		
31	<p>À l'aide de 4 boulons N° 6 - 32 1 po., monter les bornes sur le panneau tel que montré.</p> <p><b>REMARQUE</b> : Voir la procédure ci-jointe pour la fabrication et l'installation de l'interrupteur.</p>		<ul style="list-style-type: none"> <li>- Boulons N° 6 - 32 1 po.</li> <li>- Rondelle</li> <li>- Écrous</li> </ul>
32	Installer l'interrupteur tel que montré.		
33	Les connexions à la source se feront à l'aide de pinces alligator.		

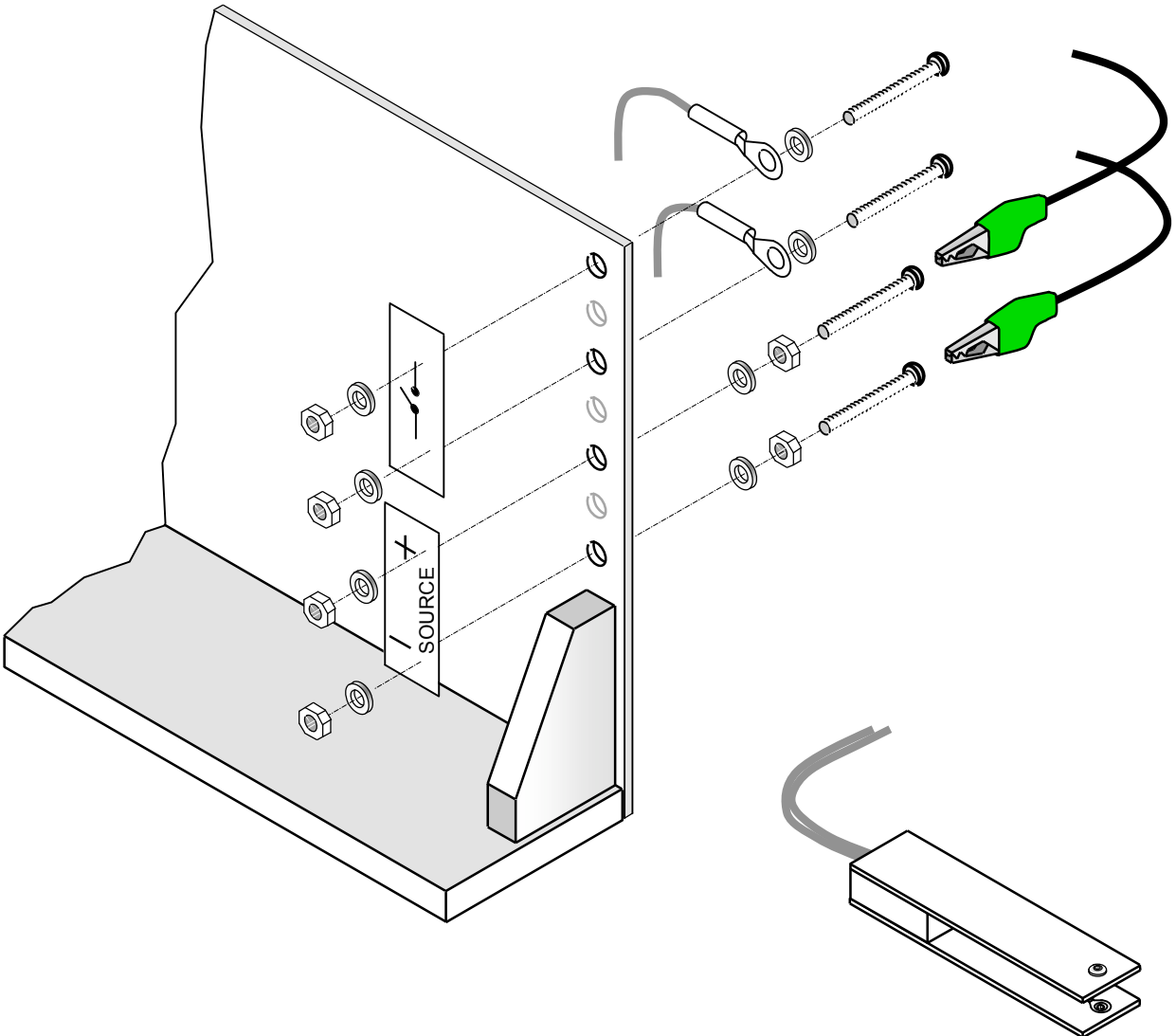
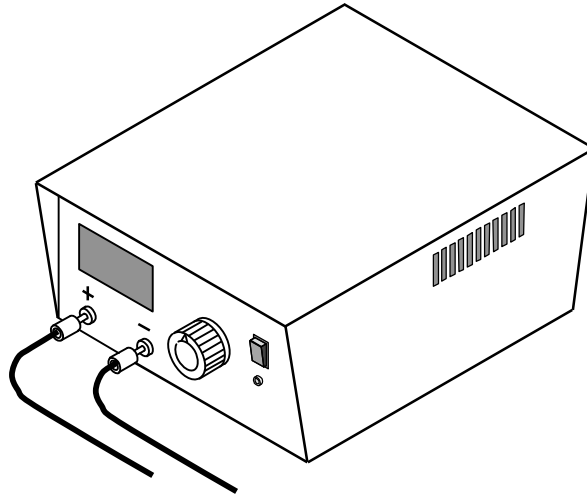
# Push button switch normally on



Ref.	No.	Designation	Materials
1	2	Flexible plate	Polystyrene 150 x 40 x 3 mm
2	1	Separator	Pine board 1 ½ x 5/8 in.
3	2	Contact	Pop rivet Ø 3 x 12
4		Conductor	1.5 metres lamp wire
5	4	Connector	Ø allowing linkage to a n° 6 screw



# Panel power supply



Labels to be glued on the panels

