

# **Pattern Cut** **Inc.**

Custom Design, Laminated Hardwood

## **AIR SUPPLY GRILLES**

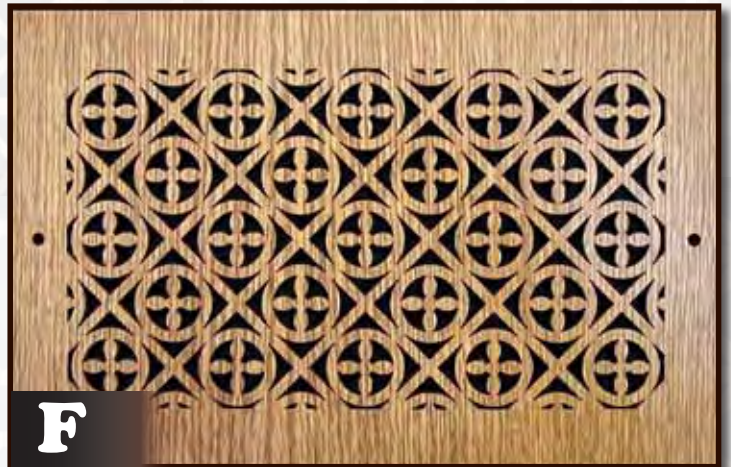
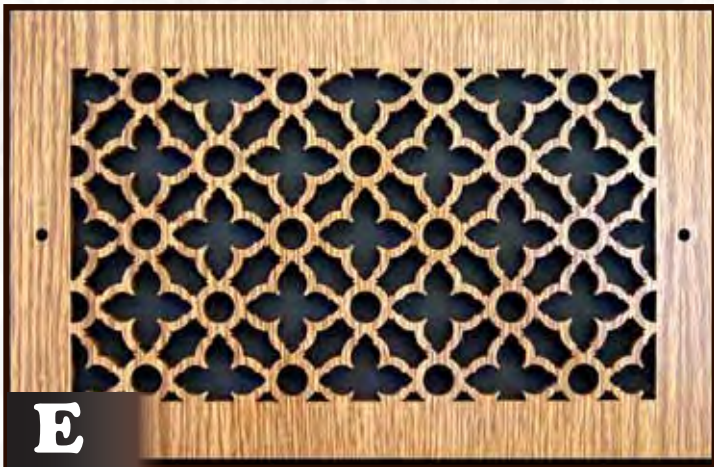
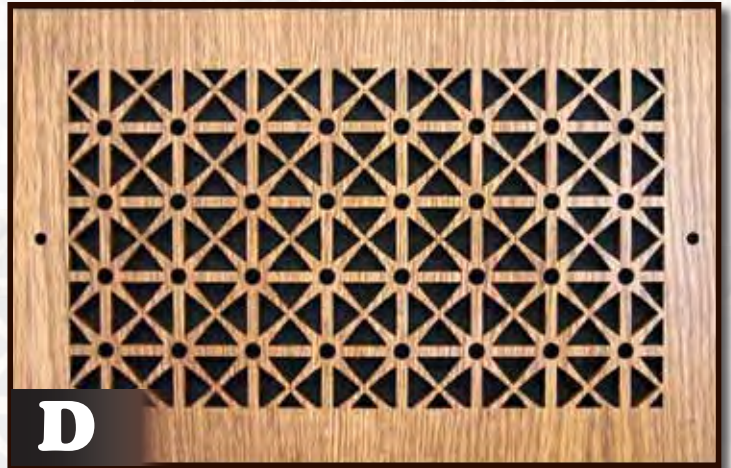
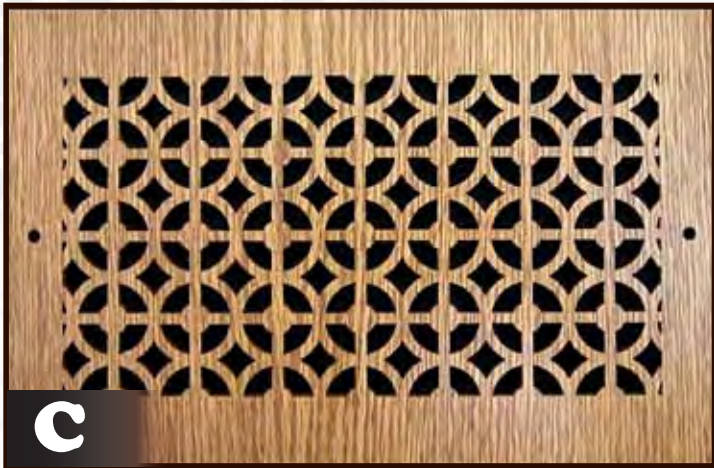
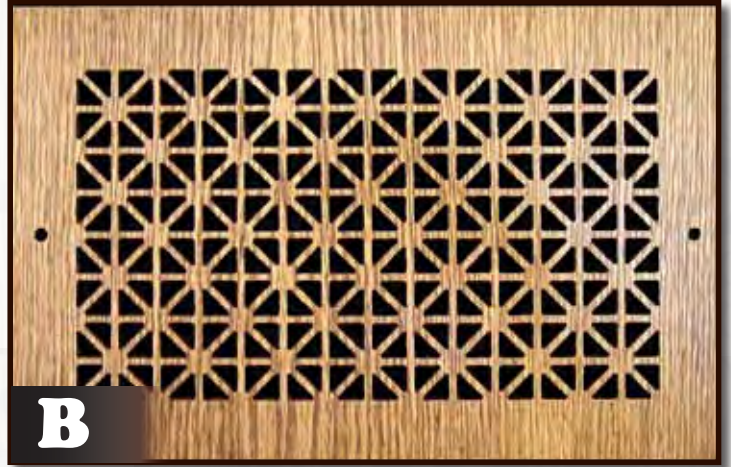
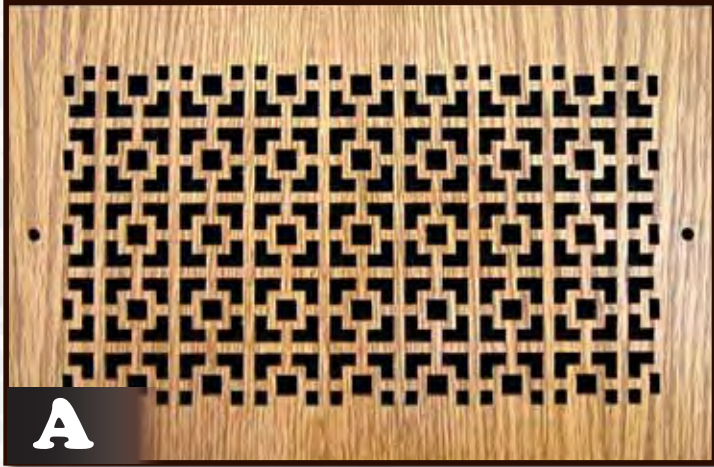
**WE WILL CUT ANY SIZE GRILLE YOU NEED!  
WE WILL CUT ANY SHAPE GRILLE YOU NEED!  
CUSTOM DESIGNS AVAILABLE!**



**FREE  
CATALOG!**

**REPLACE YOUR  
OLD METAL, COLD  
AIR RETURN  
GRILLES WITH OUR  
WOOD FILTER GRILLES!  
← CUSTOM BUILT TO ANY SIZE**

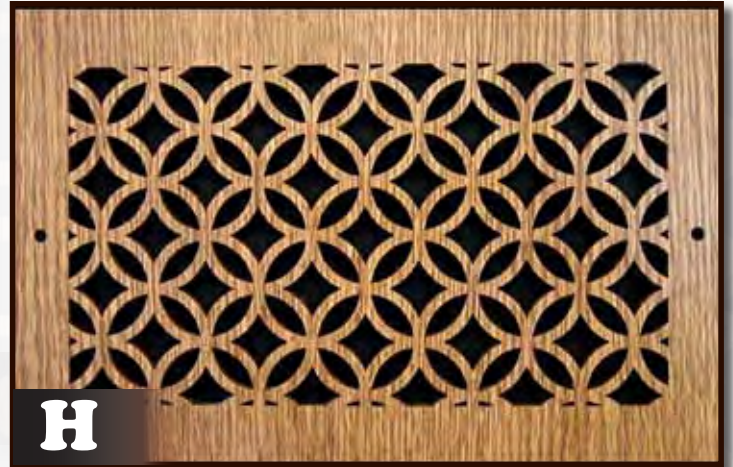
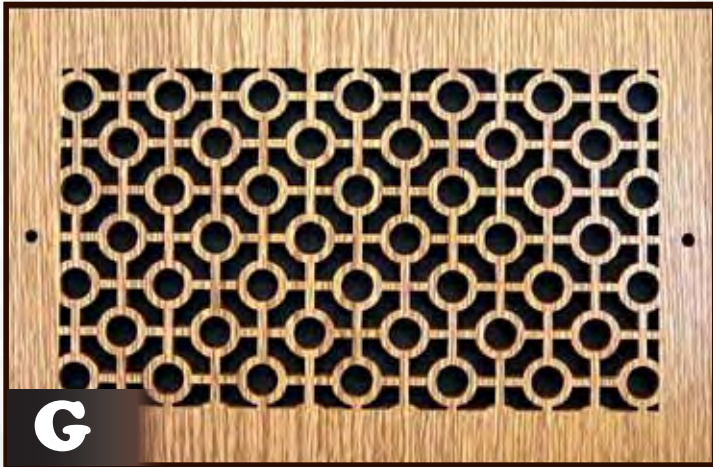




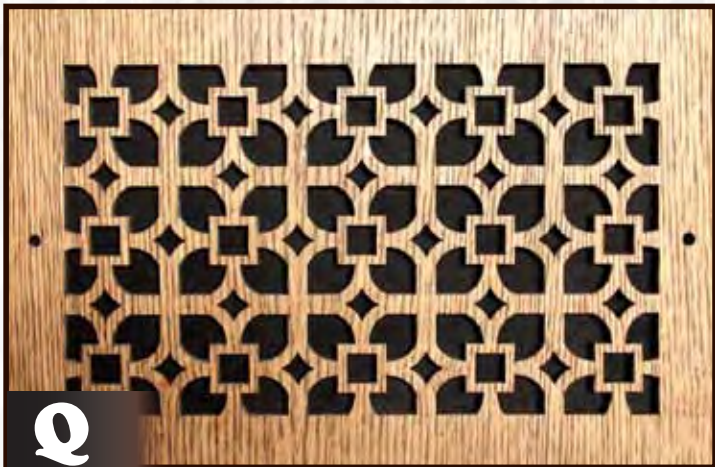
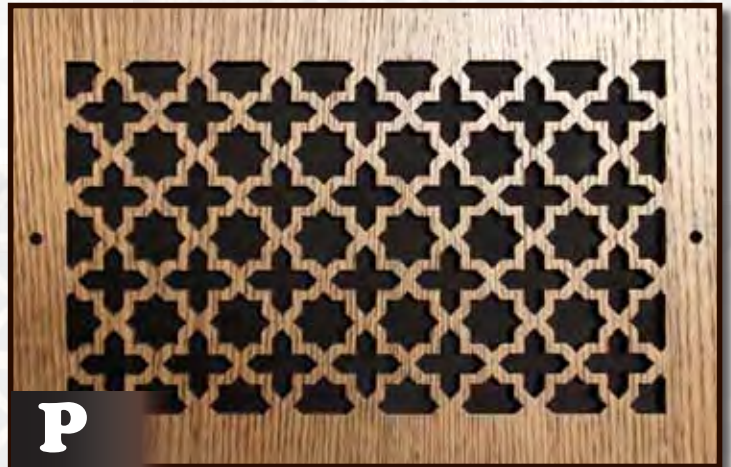
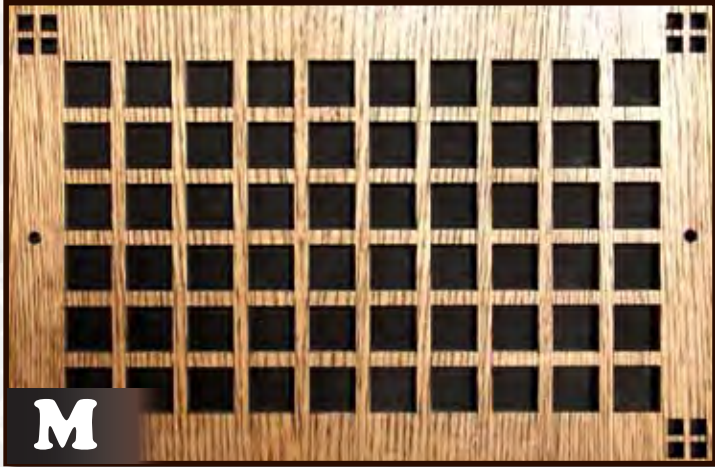


Custom Design, Laminated Hardwood

# ***AIR SUPPLY GRILLES***



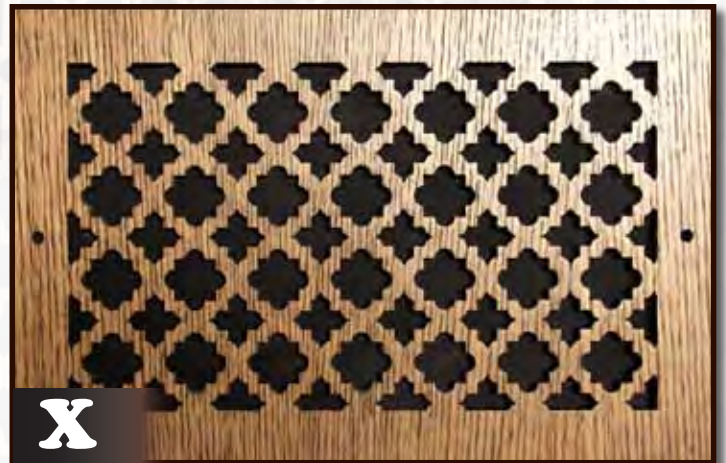
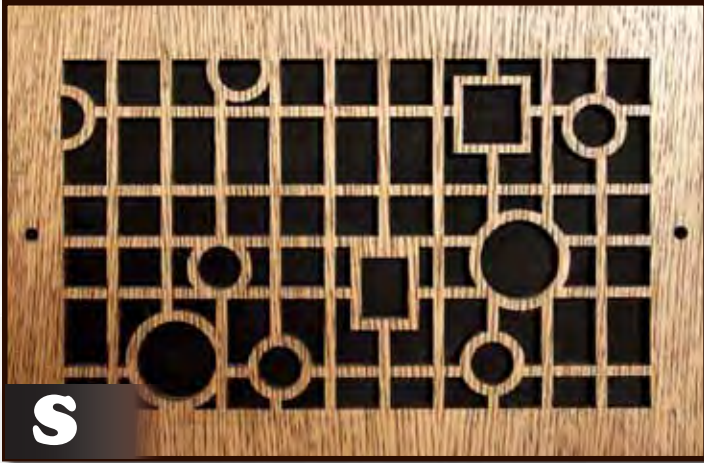




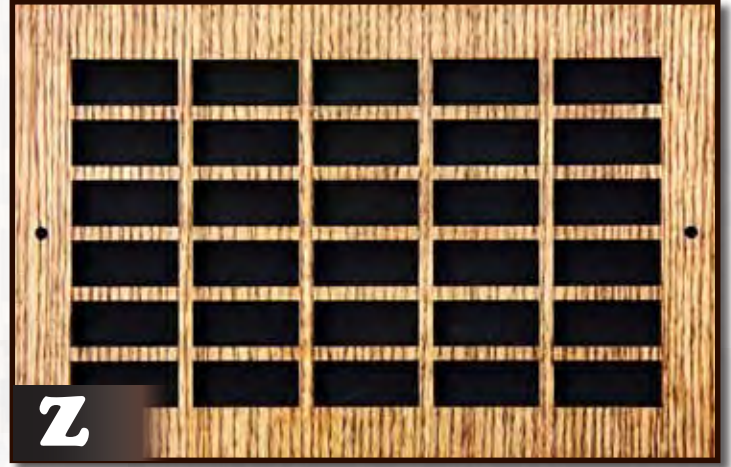
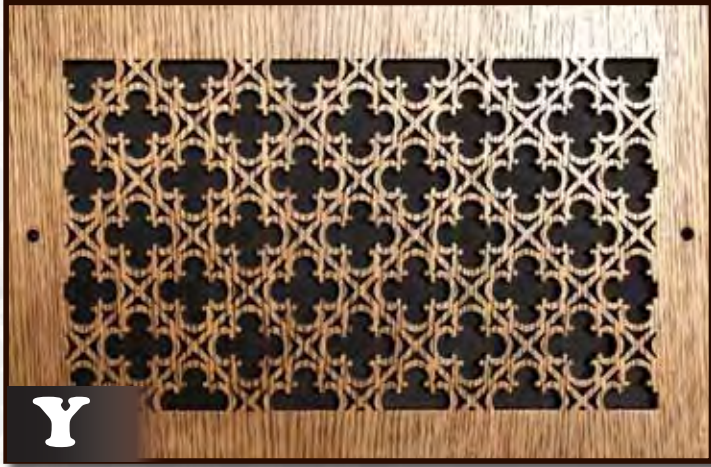


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# ***AIR SUPPLY GRILLES***







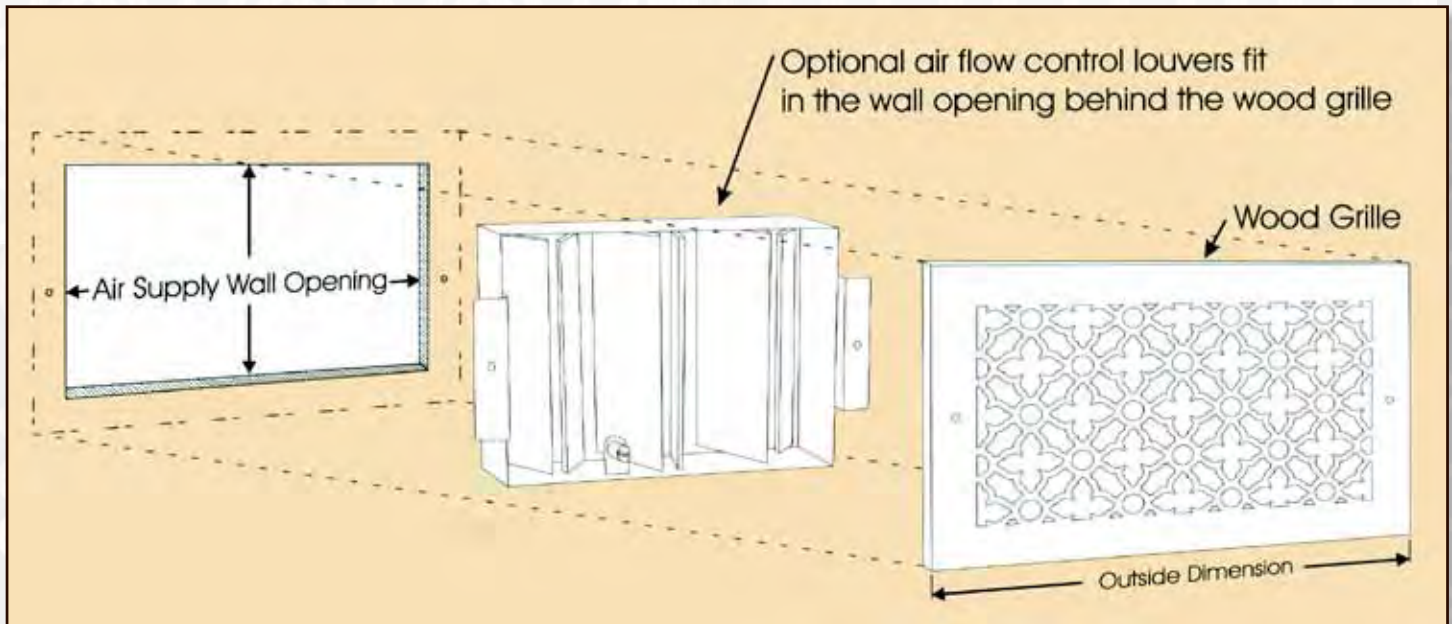
## **Ask about our Custom Grille and Ornament Designs**





# ***AIR SUPPLY GRILLES***

## **HOW TO MEASURE for GRILLE and LOUVER SIZE**



### **For Grilles:**

1. Measure the wall opening (width *in inches* -by- height *in inches*).
2. Match the wall opening size to the correct part number on the **Grille Prices** page.

*Example: 10" wide by 6" high = part number 1006*

### **For Louvers:**

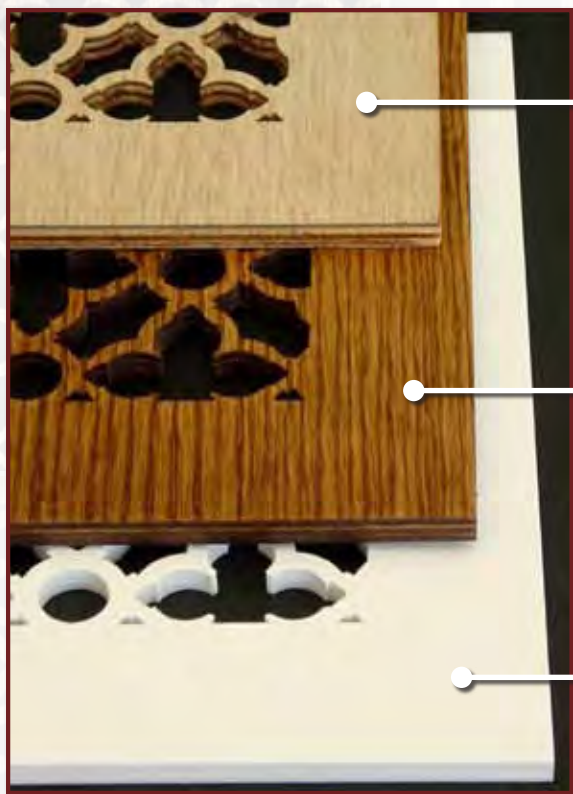
1. Measure the wall opening (width *in inches* -by- height *in inches*).
2. Match the wall opening size to the correct part number on the **Louver Prices** page.

*Example: 10" wide -by- 6" high = part number LVR-1006*

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*Our wood grilles are manufactured from 100% laminated Baltic Birch hardwood with a veneered face. The grilles are sanded and shipped ready for paint or stain.*

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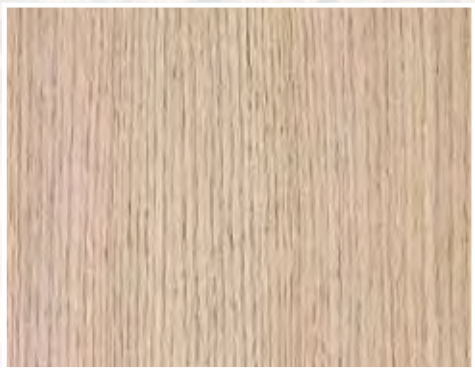


• Veneered, laser cut, sanded and ready for finish.

• Stained sample.

• Painted sample.

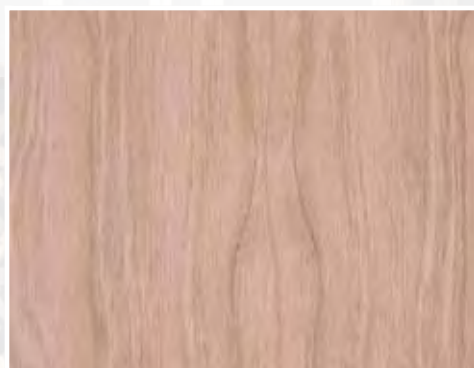
## **AVAILABLE VENEERS**



Oak



Maple



Cherry



Custom Design, Laminated Hardwood

# ***RETURN AIR FILTER GRILLES***

## **Air Conditioning and Heating Return Air Filter Grilles**

Our wood grilles can be cut to any size and any shape that you need. They can be used to decorate air conditioning ducts or even Return Air Filters. Grille borders can be any width. The grilles can be cut with or without screw holes. The standard size grilles shown here have 1" borders with screw holes. Our grilles are laser cut from 1/4" thick Baltic birch hardwood ply with oak, maple, or cherry furniture grade face veneer. If you are going to paint your grilles, maple veneer is the best choice. We ship the grilles to you sanded, ready to paint or stain. Screws are included. Custom patterns and designs are available. We also offer air louvers to adjust the flow of air from the grille.





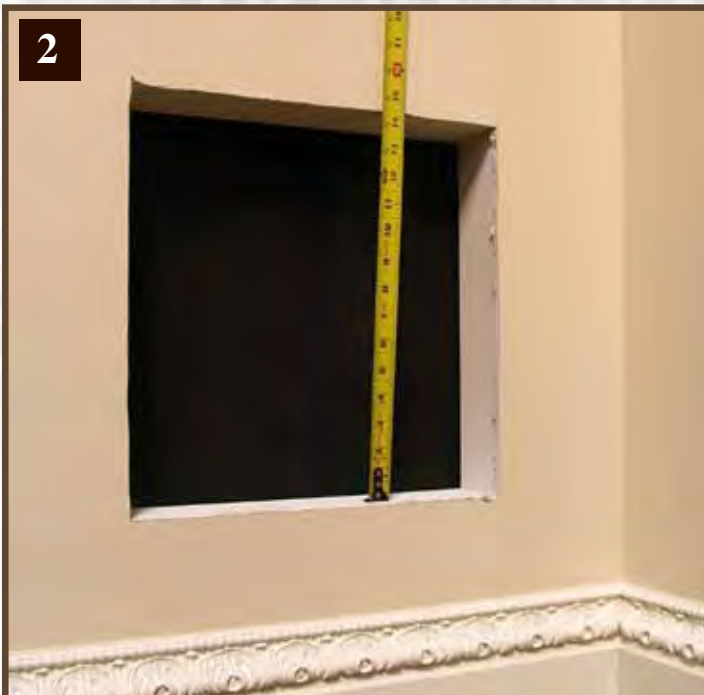
## **Return Air Filter Grille Assembly**



**STEP #1:** Replace your unsightly metal filter grilles with our custom built wood filter grille assembly. They are available in 26 grille patterns with oak, maple, or cherry face veneer.

**STEP #2:** Remove your metal filter grille. Measure the wall opening.

**STEP #3:** We cut and build a wood filter grille assembly to fit your opening. It is shipped to you sanded, ready to paint or stain. We include a filter, or you can use your own.





Custom Design, Laminated Hardwood

# ***RETURN AIR FILTER GRILLES***

***All Return Air Filter Grilles are custom made to fit your existing wall or ceiling opening***



**STEP #4:** Paint or stain and install the filter frame in to the wall opening.

**Step #5:** Install the filter.

**STEP #6:** Attach the grille cover with the included brass thumb screws.





## **Custom Design and Laser Cutting**

We also offer custom design services. Any shape that you can draw, we can cut. Hardwoods, plastics, and a variety of other materials can be cut on our laser machining centers. We can cut straight from your hand drawings or from many types of design files including, Auto Cad, DXF, Corel Draw, Adobe Illustrator and many other state-of-the-art computer programs. To request a quote please call, fax or email us with your concepts and needs.



*Laser vaporizes material at the speed of light leaving razor thin cut margins. Lasers cut fast, creating accurate and identical parts.*



Did you know that with a laser you can cut virtually any shape or design with precision and accuracy in a multitude of materials? Due to this technology, we can create a stylized continuity to your home's minute details. Vent grilles, cabinet door panels, wall and ceiling casings are all possibilities with this capability.

### **How it is done...**

With our Laser Cutting machine, wood is vaporized at the speed of light leaving a razor thin cut margin. Lasers cut fast, creating accurate identical parts and patterns. We also offer custom design services.



## ***RETURN AIR FILTER GRILLES***

### **Wood Finishing**

**DO NOT FINISH IN OR EXPOSE WOOD GRILLES TO DIRECT SUNLIGHT!**

*The heat of the sun will cause paint, stain and lacquer to bubble, and the wood grilles to warp and twist.*

#### **Staining**

1. The easiest way to stain the grilles is to submerge them in a pan filled with stain. After wiping off the excess stain, Lean the grilles in an upright position so air can circulate completely around them. Let them dry for a full 24 hours. If stain does not dry completely , it will run when lacquered. There is no need to sand after this step.
2. Lay the grilles flat and spray them with Lacquer Sanding Sealer. This is available in aerosol cans, or liquid to be used with a sprayer. Sanding sealer fills the grain and allows the clear finished coats to flow very smoothly.. Apply 2 or 3 light coats to the face. Apply one coat to the back to completely seal the wood. Allow 24 hours to dry.
3. Lay the grilles flat and sand them with a worn piece of 220 grit sand paper. Be careful to sand very lightly so you do not burn through the stain color. Be extra careful near the grill edges. The wood will feel smooth and silky with very little sanding. Clean off the white sanding residue with a clean soft cloth and compressed air.
4. Lay the grilles flat and spray them with Clear Lacquer. This is available in aerosol cans, or liquid to be used with a sprayer. For the first coat, lightly mist the surface. After 20 or 30 seconds, spray them again with a slightly heavier coat . Lacquer dries to the touch very quickly, and you can apply 2 or 3 coats in one day.
5. Freshly applied lacquer has a very strong odor and it is best to allow it to cure for at least 3 days before you bring any finished pieces into your house.

#### **Painting**

1. Painted wood must first be primed. A good water, oil, shellac, or lacquer based primer can be used.
2. Thin the primer first, then use a soft brush to work it into all surfaces. Take care not to let drips build up on the edges. Two light coats are better than one heavy coat. If you are going to use a color tinted paint, have your supplier tint your primer the same color.
3. The easiest way to apply the finish paint coat is to spray, but you can also use a brush or roller. Apply 2 finish coats and allow the paint to dry completely before installing.





## Terms and Conditions

### How to order

Pattern Cut Phone: ..... 714-765-8138

Pattern Cut Fax: ..... 714-765-8139

*(copy, fill out, and fax our Order Sheet)*

Pattern Cut Mail:

#### **Pattern Cut Inc.**

2267 E. Via Burton Street

Anaheim, California 92806-1222

*(copy, fill out, and mail in our Order Sheet)*

We typically ship within 10 business days. If your order will be delayed do to material unavailability or our heavy production backlog, we will inform you.

### Payment

Check or money order

Visa, Master Card, American Express, Discover

Sorry, No C.O.D.'s



### Shipping

We ship most orders via UPS or FedEx. A street address is required, no P.O. Box deliveries. Shipping cost is determined per shipment by package weight, size and distance to ship. Shipping costs cannot be determined until the order is packaged and weighed. If you would prefer to use your own carrier, or to will call your order, please notify us as early as possible.

### Returns

**ALL GRILLES ARE CUT TO ORDER. ALL SALES ARE FINAL.**



<b>Company:</b>						
<b>Contact:</b>						
<b>Address:</b>						
<b>Phone:</b>			<b>Fax:</b>			
<b>Payment Type:</b>						
#	Qty	Grille Pattern	Part No. Louver / Grille	check one		
				Oak	Maple	Cherry
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						





Custom Design, Laminated  
Hardwood Air Supply Grilles

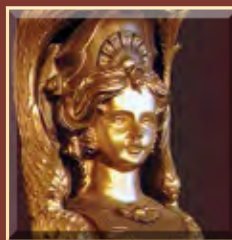


**Pattern Cut** *Inc.*

Is a Division of Empire Ornament Supply, Inc.



- ◆ Corbels
- ◆ Capitals
- ◆ Ornaments
- ◆ Flex Molding
- ◆ Flex Crown
- ◆ Rosettes
- ◆ Columns



Call For Your  
◆ **FREE** ◆  
Catalog

