

# Measuring for a McCoy Millwork Shelf Mantel

Customer \_\_\_\_\_

Phone \_\_\_\_\_

Date \_\_\_\_\_

The following is a list of issues to discuss when ordering a template (pre-designed) mantel or designing a custom mantel.

McCoy Millwork is a material supplier. We do not advise on installation issues or code regulations.

Oregon Building Codes Agency: 503-373-7529 (Salem Or)

Washington State Building Codes: 360-487-7800 Ext: 0 (Vancouver)

Stain Grade

Paint Grade

Custom

## Check list for shelf mantels

- The wall the mantel will be mounted on is a flat, single plane wall. Our mantels are not designed to wrap around bump-outs, projections and corners or fit into corners. **\*\*Provide a photo for clarification\*\***
- A **Crown Mantel** has a closed bottom and mounts on the wall above any fireplace surround material.  
A **Cap Mantel** has an open bottom and overlaps the top edge of any fireplace surround material.
- Review vertical "Clearance to Combustibles" requirements. For wood burning fireplaces contact the State or local code office. For gas fireplaces and inserts refer to the installation manual for the unit installed.
- Lead time is 3 weeks, a 50% deposit is required at time of order
- Paint grade mantels are constructed using a combination of MDF, Primed Pine and/or Hemlock
- All mantels are unfinished.
- Installation is the responsibility of the home owner. We have a list of recommended contractors

On the back of this form is a guide to completing a mantel measurement sheet. Please bring your measurement sheet and this form along with any photos you have to our sales counter for assistance before ordering.

Keep in mind planning a mantel may take a series of adjustments in some of the dimensions.

Custom mantels - use the blank custom mantel form, first define the body size, (E) and (K) then use the McCoy catalog or other special order catalogs to choose trim pieces.

Simple modifications that should not require re quoting as a custom: switching a crown profile to a stock crown of similar size; removing pieces, i.e. corbels; adding or removing moulded edge banding in stock profiles.

Sources for unusual trim: Corbels - Fypon or Ekena; Moulding - Architectural Millwork, Alexandria, Ferche, Metrie and the shop.

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## Mantel Measurement for a Cap Mantel

Choosing the measurement sheet for the preferred mantel - follow the steps below:

- 1 Begin with noting the **Width and Depth** of the masonry.
- 2 Following the instructions for **(K)** fill in the Mantel bottom thickness. A minimum of 1-3/4" is required for the installation of a French cleat.
- 3 Following the instructions for **(E), (OS) and (OF)** fill in the measurements for shelf body width and shelf overhangs.
- 4 Following the recommended minimum on **(D)** fill in the appropriate space on the measurement sheet.  
**(D)** Breast Board: minimum height allows for design elements such as crown, panels, corbels, onlays and panel mouldings. We do not advise narrower heights than the minimum. Raising the height will increase the distance from the bottom of the body to the trim.  
**(C)** Shelf thickness is fixed on all template mantels. Adjusting the thickness will require a custom quote.
- 5 **(B)** Shelf Width  
There are two methods for figuring this dimension.
  - a **Preferred width for the shelf (B)**. You can start with this measurement and using the (B) instructions subtract the minimum and check the result against **(E)**. If the result is more than (E) it will be fine. If the result is less than (E) you'll need to adjust the shelf wider.
  - b Use the instructions for **(B)** to determine the minimum width. If you go wider this will increase the overhang of the mantel shelf past the crown
- 6 Following the instructions fill in the **(A)** Shelf Depth and **(OF)** measurements

## Mantel Measurement for a Crown Mantel

Choosing the measurement sheet for the preferred mantel - follow the steps below:

- 1 Using the two options (a or b) below, enter the preferred measurements for **(B), (E) and (OS)**.
  - a **(B)** Start here if you have a preferred shelf width and then calculate **(E)**
  - or b **(E)** Start here if you have a preferred bottom width as prescribed by the width of the material directly below the shelf. Use the **(E)** formula in reverse to calculate **(B)****For either option; (OS)** can be adjusted at needed, within the recommended minimum.
- 2 Following the recommended minimum on **(D)** fill in the appropriate space on the measurement sheet.  
**(D)** Breast Board: minimum height allows for design elements such as crown, panels, corbels, onlays and panel mouldings. We do not advise narrower heights than the minimum. Raising the height will increase the distance from the bottom of the body to the trim.  
**(C)** Shelf thickness is fixed on all template mantels. Adjusting the thickness will require a custom quote.
- 3 Fill in the **(A)** Shelf Depth and **(OF)** measurements
- 4 Following the instructions for **(K)** fill in the Mantel bottom thickness. A minimum of 1-3/4" is required for the installation of a French cleat.