

**Remington O. Schmidt**  
ATTORNEY AT LAW  
P.O. Box 6, Portland, Maine 04112-0006

(207) 773-1430  
(207) 773-1554 (Fax)

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20 South Street.  
Portland, Maine

Jeanie Borke, Code Enforcement Officer, and  
Doreen Christ, Inspections Office Assistant  
Planning & Urban Development Department  
City Of Portland  
389 Congress Street  
Portland, ME 04101-2509

Re: 20 South Street Chimney

Dear Jeanie and Doreen:

Thank you for your attention to my request for the Permit Application and related materials for the new chimney here at 20 South Street.

As you now know, the new chimney was started about 20 years ago. Work was stopped because I felt it was not consistent with this historic building -- standing here since the 1830's. Now I must finish it. My present furnace must be replaced, and it is hooked to another chimney, which is not suited for a new furnace.

The partly completed new two flue chimney is inside the North wall of the house. It is less than half finished. It goes up to almost flush with the second floor of the house. As you can see from the red box on the enclosed Class D survey, the chimney is a bit less than half the length of the building, back from South Street. The chimney is about 16 inches deep and about 32 inches wide, so I estimate the imprint at about 3.5553 square feet. I estimate the chimney will be about 35.62 (Call it 36.) feet tall, assuming the estimate of 11 feet above the roofline is correct. It could be higher. The chimney will be more than ten feet away from the ridge peak, from what we have estimated. If this estimate is not correct, then the new chimney will go up another two feet above the ridge peak.

As you can see from my somewhat crude elevation drawing, the existing new chimney is entirely brick. It goes up 6' 4" in the cellar (The floor board thickness is negligible.), then up 8' 2" through the first floor, where it stops within the thickness of the first floor ceiling. From there the plan is to build the chimney up 7' 5" with block through the second floor and into the attic one foot. At the roofline the plan is to convert back to brick, install a flashing, and then go up an estimated 11 feet or whatever height it takes to get to the height of the ridge peak (or two feet higher if the chimney defies estimate and is in fact within ten feet of the roof peak).