

Dear historical commission.

We are requesting your approval to remove the chimney in the southeast section of our property at 232 court / 93 pleasant St. We have 2 other chimneys that we are keeping and utilizing. We have included pictures of the subject chimney, as well as a highlighted section of our engineers' report after physical inspection of our property. Thank you for your time and consideration in this matter.

Respectfully. Gary Beaulieu and Jim Maher

BMC Engineering's comments/recommendations:

The existing brick chimney in the southeast end of the building is considered unsafe in its existing condition. Due to the apparent tilt in the top section within the attic, any repairs to the chimney would need to include straightening the leaning portion, replacing all compromised bricks, and repointing all mortar joints. Thus, it is recommended that the chimney be removed from the attic floor level and above, with all resulting holes in the framing infilled with 2x8s.

Due to the 2'-0" spacing of the typical existing joists, it is recommended that new joists be added centered between the existing joists to reduce the span of the subfloor decking on all floors. This is intended to minimize any perceived deflection or "bounce" in the floor in the finished product. For span lengths up to 12'-0", new joist size shall be 2x8. For spans greater than 12'-0", new joist size shall be 2x10. Alternatively, the new joists may be sistered to the existing joists. For spans greater than 12'-0", sister with a 2x8 on both sides of the existing joist. See attached markups of the architectural floor plans.

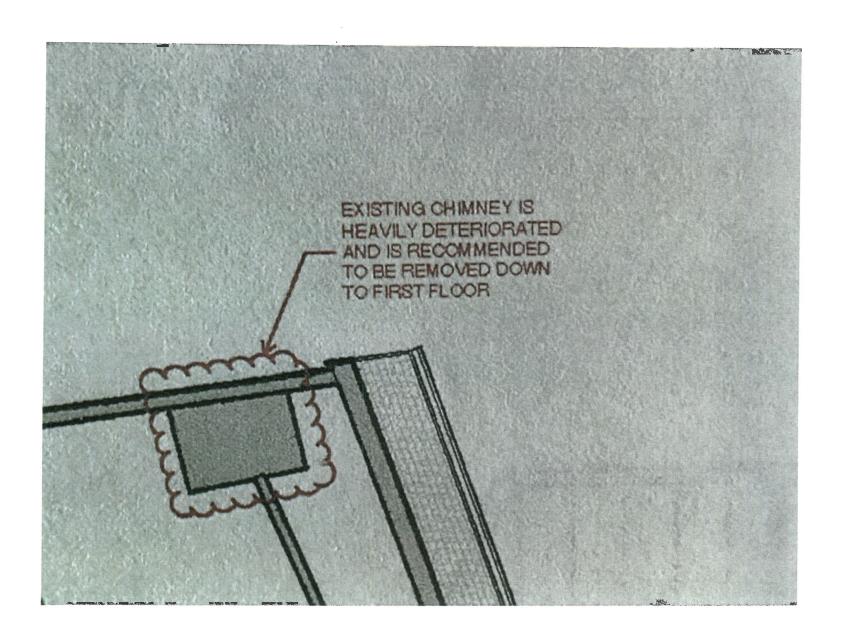
In order to achieve adequate strength for current code loads, the typical existing supportion beams shall be reinforced with laminated veneer lumber (LVL) side plates. This will involu

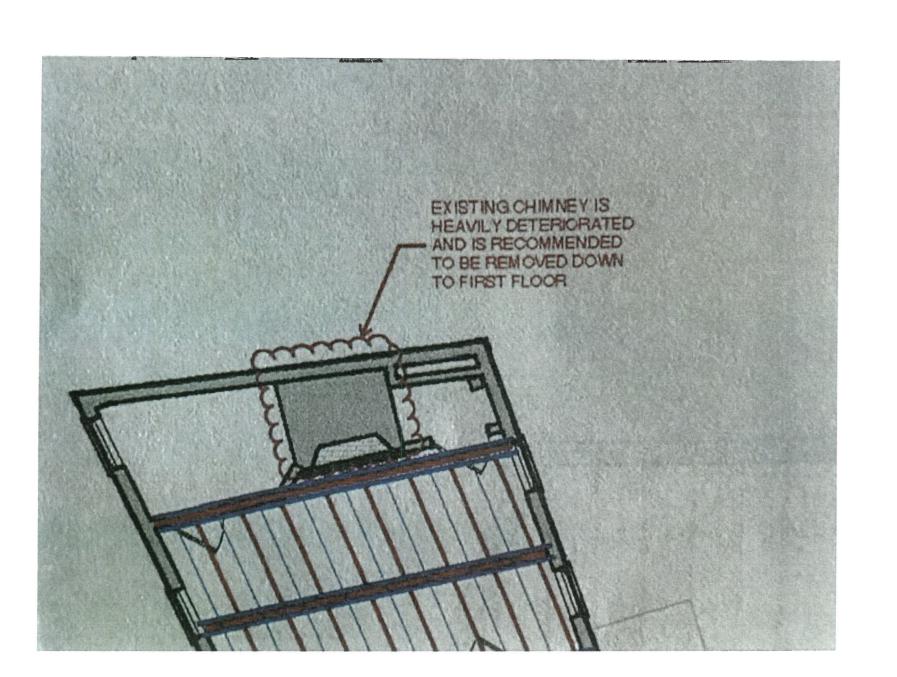
Structural Evaluation

232 Court Street - Portsmouth, NH

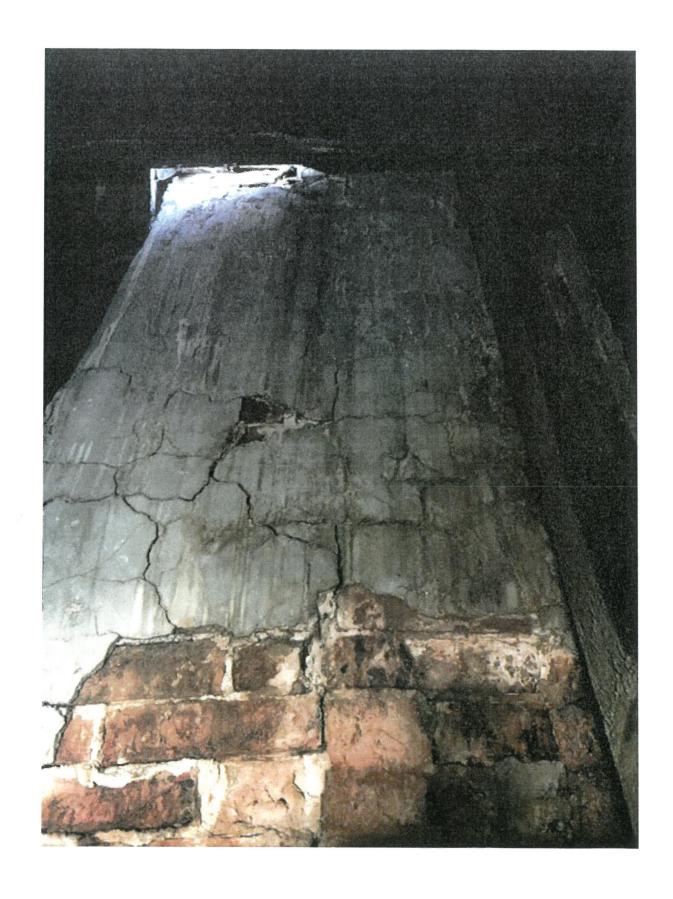
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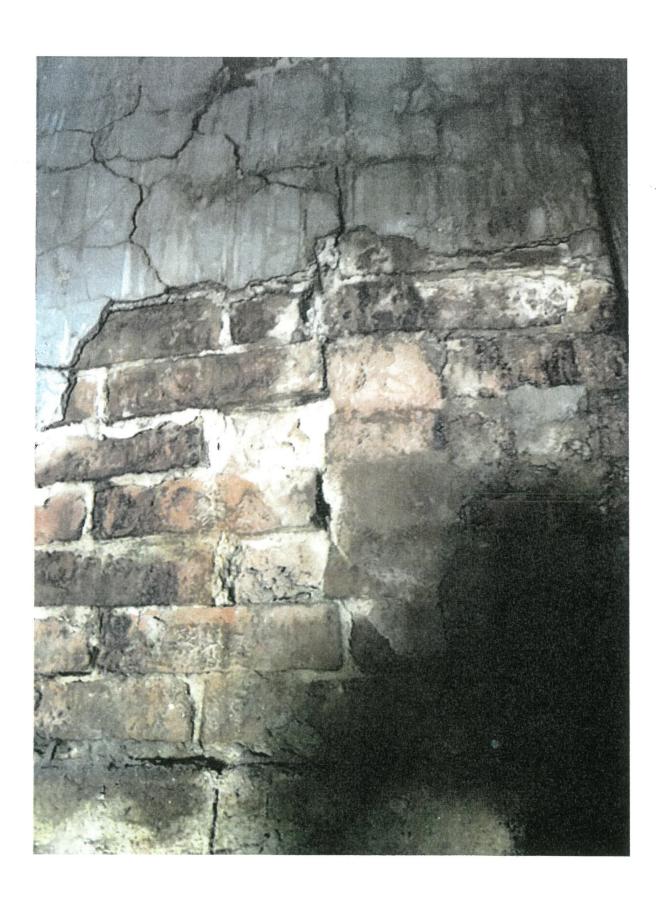
Here is a broad view of the chimney in attic and second floor from the blueprints. MINIM.

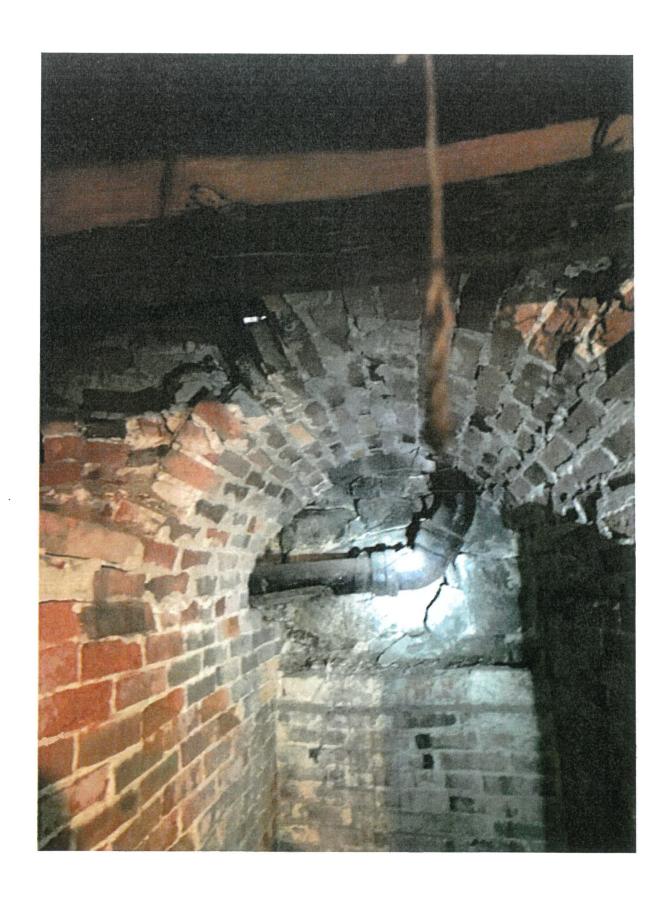


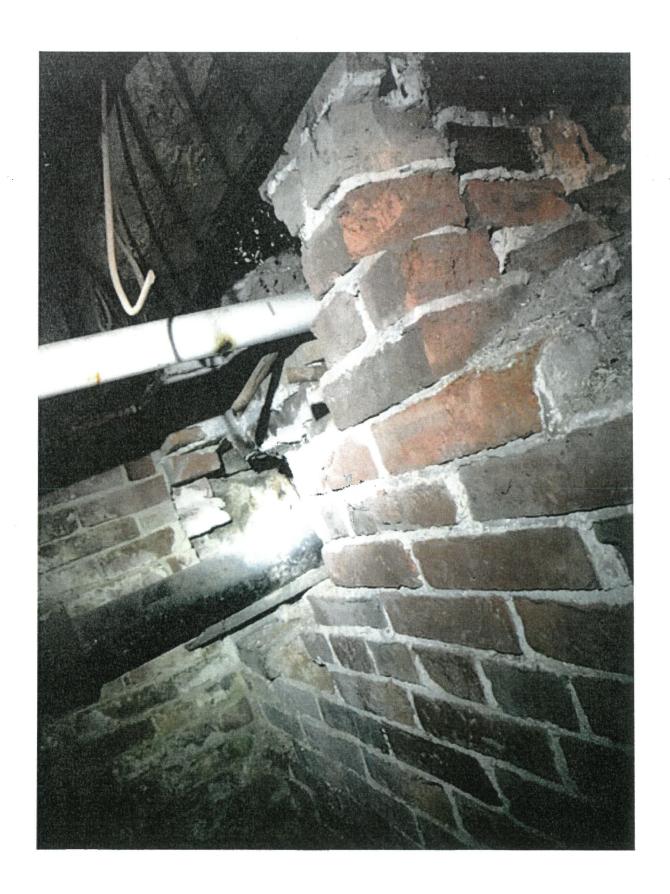


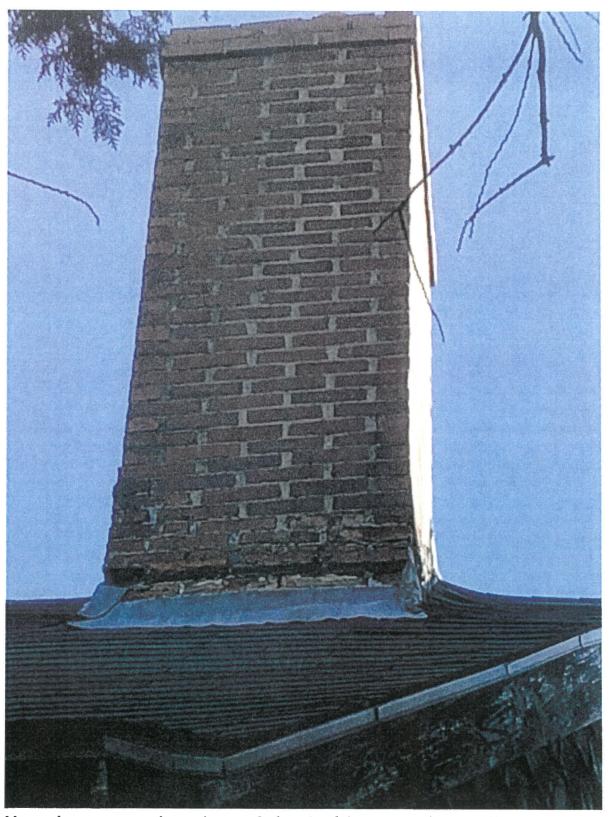










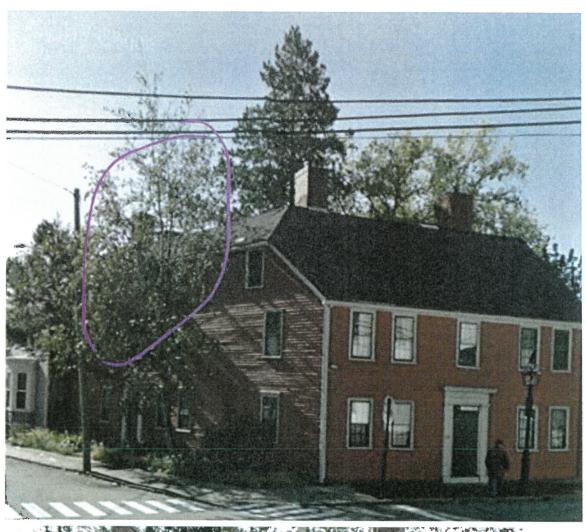


Here is an exterior view of the 2 chimneys that will remain

intact and visible from the from the front of Court St.



Here is the failing chimney that will be removed.





Re: REVISED WINDOW PROPOSAL- 232 Court Street/Pleasant Street

- 1) All windows facing Pleasant Street will have the original windows restored. They are the existing wood 6/6 and 9/6 grid design.
- 2) All Windows facing Court Street will have original windows restored. They are the existing wood 6/6 grid design.
- 3) One driveway side window on the first floor of the Court Street Unit will be a restored original 6/6 window.
- 4) The rear and remaining driveway/side windows will be replaced with wood, double-hung, 6/6 simulated divided light windows. The windows will b Green Mountain or equivalent sash replacements with concealed jamb liners.

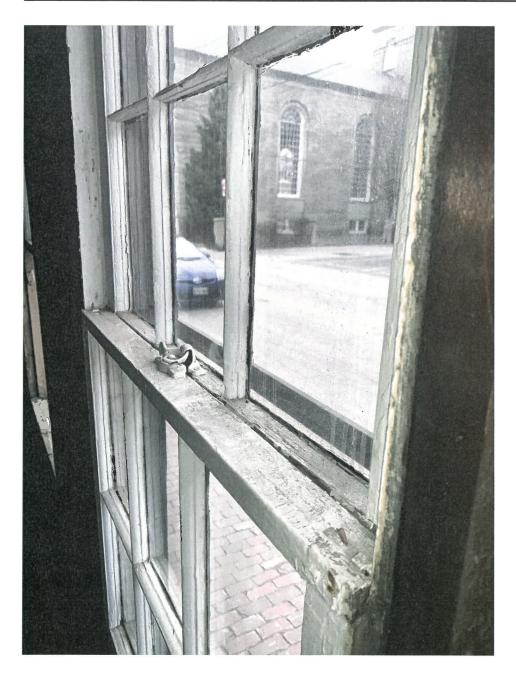
Please note in the event that there are not enough restorable windows to complete the Pleasant Street, 3rd floor, we would like to file an application at a subsequent date to replace the sashes with Green Mountain, true-divided light, double-hung, 6/6 wood sash units.

Respectfully,

Gary Beaulieu



<u>Pictures of current failing windows in request to be replaced:</u>

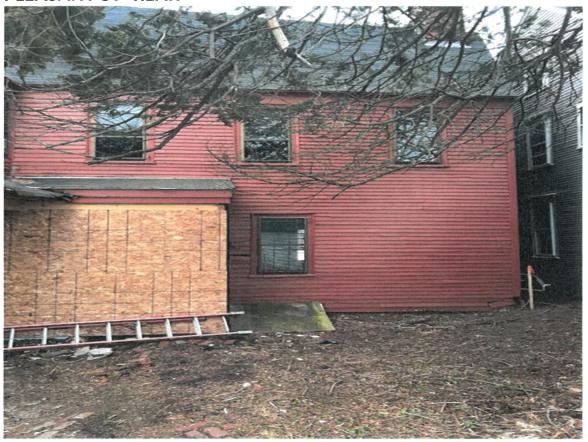








PLEASANT ST- REAR



COURT ST- REAR



DRIVE WAY OFF COURT ST

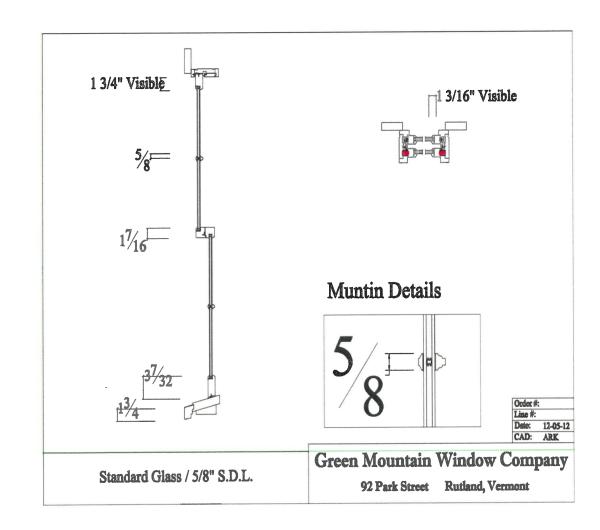


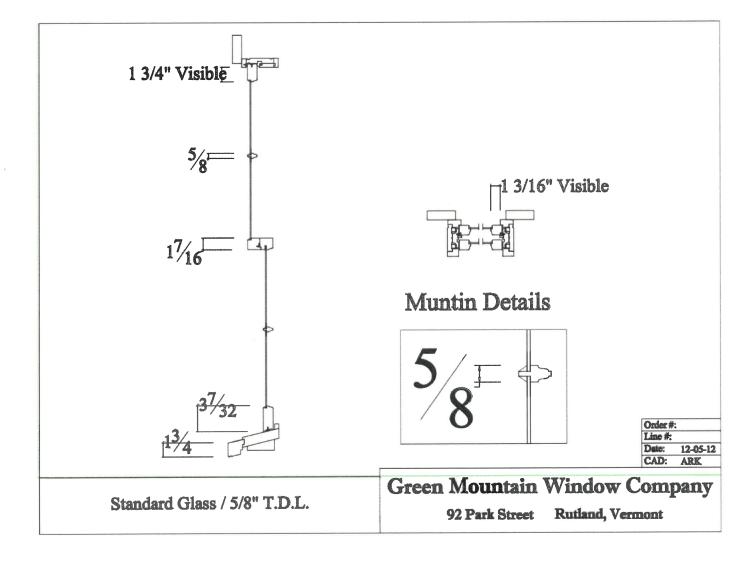
COURT ST- FRONT



PLEASANT ST- FRONT





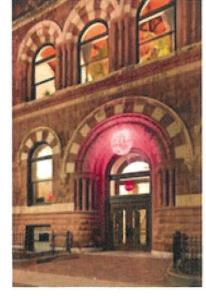


We offer four different systems to replicate historic window details:



1. Complete full frame window applications: With minor modifications to our standard window we can match the sash, frame and daylight opening sightlines of existing historic windows. Often with this approach the existing historic exterior window trim can be reused on our window; or we can mill new trim to match existing. With the window to the left we only needed to modify our sill and bottom sash rail to match the original historic windows. If the historic window frames are not in a re-usable condition this may be the only replacement option.

2. Sash and concealed balance applications: With this system we make new energy efficient sash that mimic the sightlines of the original sash. We install a cartridge block and tackle balance in the side edge of the sash that remains completely hidden. We also supply a concealed weather-strip system that encapsulates the sliding sash. The appearance will be virtually identical to the original window however the existing window frames need to be in good condition and relatively square for proper performance. This system was used in the historic library shown to the right.





3. Sash and jamb liner track applications: With this system we make new energy efficient sash that mimic the sightlines of the original sash. And we supply a vinyl jamb liner / sash balance system that gets applied to the existing window frame. Typically the daylight

openings and sash sightlines will match the original windows but the vinyl track applied to the old frame may stand out as a modern addition. The existing window frames need to be in good condition and relatively square for proper performance. Arch tops and angled tops are available as used in the Portland Maine apartment complex on the left.

4. Insert or "box" window applications: With this approach we manufacture a complete window with a 3 3/8" deep frame to fit inside of the existing window frame. While we can match the look of a historic window with this system some of the original daylight opening will be lost due to the frame. However, with our insert window you will lose less daylight than with any other manufacturers unit. One benefit of this approach is that if the existing window frame is out of square the operation and performance of the new window is not affected. This system was used in a Realtors office in Virginia shown on the right.

