



Southgate Steeplejacks

Steeple Building • Steeple Restoration

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PHASE TWO/ IN SHOP

SELECTIVE DEMOLITION

In the shop, we will dismantle the Lantern, Spire, Vane. We will build a new Balustrade. We will strip/dispose of old copper. We will keep the more ornate wood trim for stripping and re-use, the plainer trim will be documented and discarded

VANE/FINIAL

The vane and finial will be taken apart and studied. The Vane/Finial are probably made one of two ways. The Finial may be a solid piece on the Spire, and the weight of the vane sits on it. But, the Finial may be just a hollow piece that sits loosely around the vane shaft. In any case, I believe that the Vane has a long steel shaft that travels well down into a hole in the Mast. The rot in the Mast and Lantern Web is due to the fact that the shaft penetration at the spire tip is leaking. Often, people just drill a hole in the top of a spire, drop in a vane shaft, and nail some flashing around it. It always leaks into the hole where the water can collect without a place to disperse so the resultant rot is always well hidden and often very serious. So, whatever the Finial/Vane design, we will make a flanged steel cap that fits over the Finial tip or Spire tip, and we will weld this cap onto the shaft of the vane so that water coursing down the vane will be kept out. The Vane and Finial will be repaired and re-gilded as needed. It looked to me like the finial is in fine shape, while the vane looked a bit pooped. I will carry an allowance to that will cover the worst case scenario.

STRUCTURAL

We will repair the Lantern Web and all other structural problems using epoxy methods similar to the Belfry Web, re-assembling these components with new sheathing as needed as we do so..

LANTERN/SPIRE/VANE RE-ASSEMBLY

We will completely restore the exterior of the Lantern/Spire. This will mean re-using the more ornate wood trim and making the plainer wood trim new. Please read the enclosed woodwork and the shop rebuilding protocols to understand how we will deal with the wood, and the roofing protocols to understand how we will do the copper. As for the wood, we could use Pine which is the least expensive, or Spanish Cedar, which is more. If we use pine, I suggest using local well air dried pine from my local sawmill because it's fine and is inexpensive. To use kiln dried pine will cost almost as much as using a rot resistant wood such as Spanish Cedar. I will enclose pricing for each. We will also restore the Belfry Urns at this time.

NEW WOODWORK FOR BELFRY

In the shop we will strip/restore those parts selected. This will probably include the dentils, and the column capitals. It may include the columns themselves; that will be determined later. For now, we will plan to strip and re-use the columns, if that changes, we can address that later. The column bases are new, pine, and will not last long, but are the right profile and I will