

MARTIN COUNTY COURTHOUSE

DOME AND ROOF REPAIR UPDATE



March 2021



CLOCK DIAL INSTALLATION + COPPER WORK

Progress is being made now that the extreme cold has gone and spring has arrived. Recent work included fabrication of the stainless steel clock dial which is 7-feet in diameter and required off-site fabrication and assembly. New glass will be installed in the dial since some glass was broken or had been replaced over time. Copper was installed at the base of the clock dial. While shiny like a new penny now, the copper will naturally start to turn brown and then a progress into patina green over the next 15-20 years as it reacts with oxygen in the air—a chemical reaction known as oxidation. Clock dials require a lot of detailed work to achieve watertightness, and it is slow, tedious work. These details are also complex in appearance, requiring skilled fabrication to maintain the historic profiles.

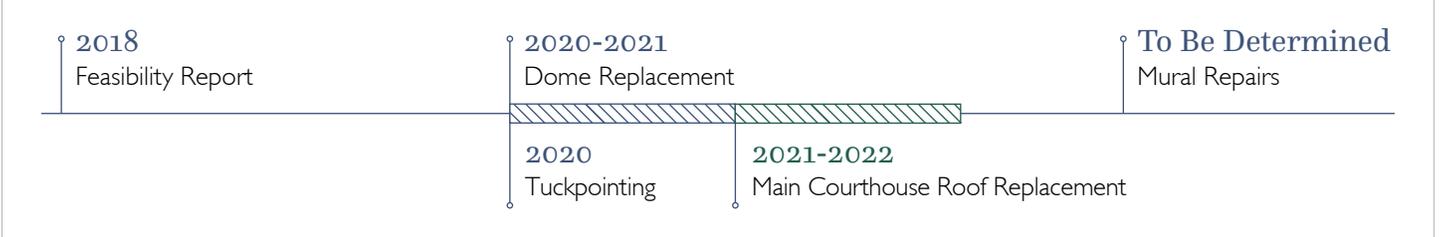
NEXT STEPS

- Continue copper work up the dome
- Start blocking to support the copper ribs on the dome itself
- Restore the Seth Thomas clock movement
- Make molds to fabricate the eagle statues

Below: Fully assembled replacement clock dial. Right: Sections of clock dial before assembly.



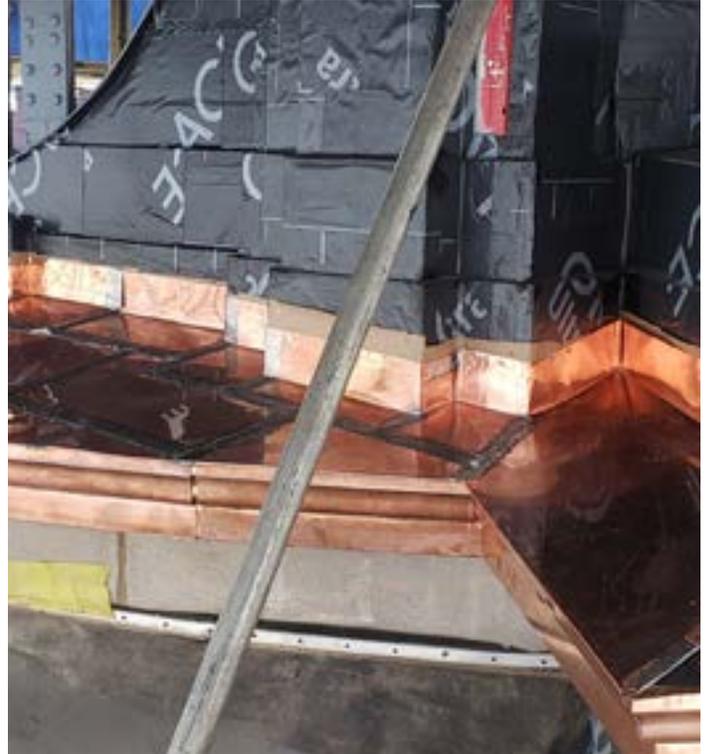
TIMELINE



CONSTRUCTION UPDATE



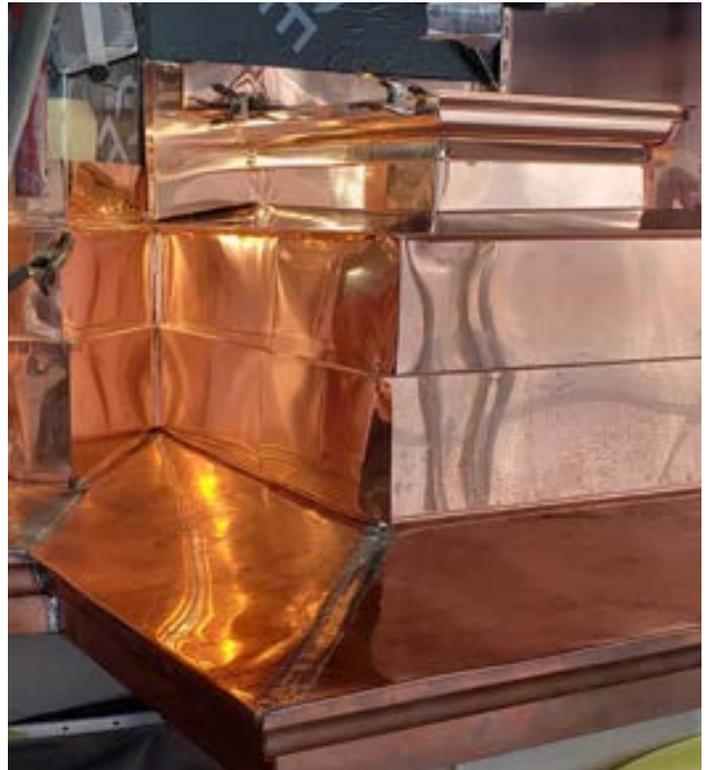
Copper work at the base of the clock dial.



Vertical copper work installation.



Copper work at the clock dial base. There are four similar areas like this to repeat the work on. Due to the original construction, each one is slightly different in size.



Copper work at the base of an eagle perch.

QUESTIONS?



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