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Thank you for trusting Minnesota Meteorites to restore your Historic meteorite.

The process used to refinish you slice was fairly straight forward. The slice was broken in 6 pieces, which were glued to the 0.25 in. plywood backing. To avoid losing small pieces during removal, we decided to repair the meteorite in place. The cracks were filled using a mixture of jeweler's epoxy and similarly colored meteorite dust, which was heated for deep penetration. The stone was clamped in place to hold the pieces in their correct positions.

Once the epoxy had hardened, the stone was removed from the board and sanded to 1000 grit. It was then acid etched to expose the Widmanstätten pattern in the iron, dried, and sealed.

The frame was reupholstered in a matching blue fabric and the stone mounted using the original iron hooks. Although glue should not be necessary to hold the meteorite in place, a window was left in the fabric should you choose to glue it. We highly recommend using a removable/reusable adhesive like "seal n peel" by DAP or similar. The slice weight 3550g prior to refinishing and 3550g after completion.

If you have questions or need any further assistance, feel free to contact us anytime at 651.245.5330 or zlimenc@gmail.com

Sincerely,

Craig Zlimen
Minnesota Meteorites