Fabricating Parquet Flooring

A Detailed Explanation

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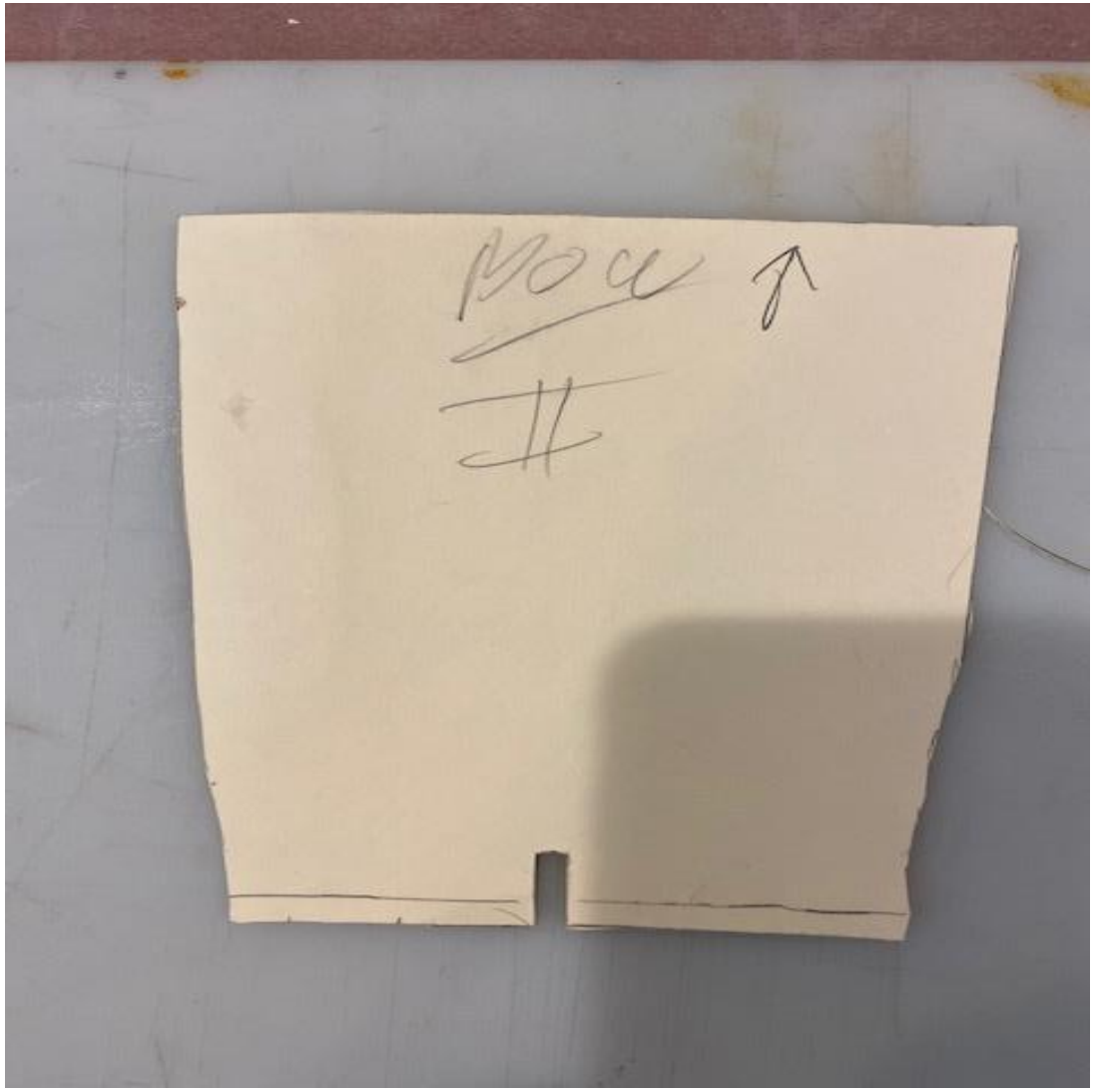
Fabricating Parquet Flooring

- Fifteen years prior I built the Mamoli Rattlesnake and used the practicum there to fabricate the flooring
- Since then I have perfected my method and applied it to my models
- In photo and narrative form I would like to share this method

Fabricating Parquet Flooring

The task starts with a template of the cabin flooring cut out from folder stock



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Utilizing the deck plan, enough scale floor planks to cover the required area are ripped.

These are painted alternately white and black. For non painted modeling ebony and holly could be substituted.

To facilitate later trimming, the ripped stock lengths took into account a 5 mm overlap of planking on either side of a substrate to be fabricated

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Using a very thin substrate of wood, approximately 0.65mm thick (such as that found on some business cards), the template was overlaid and cut to form

Any intervening structure such as the mizzen mast has to be indicated on the substrate. Good idea to mark both faces.

On a similar substrate glue alternate planks of black and white. Note the slight overhang mentioned prior.

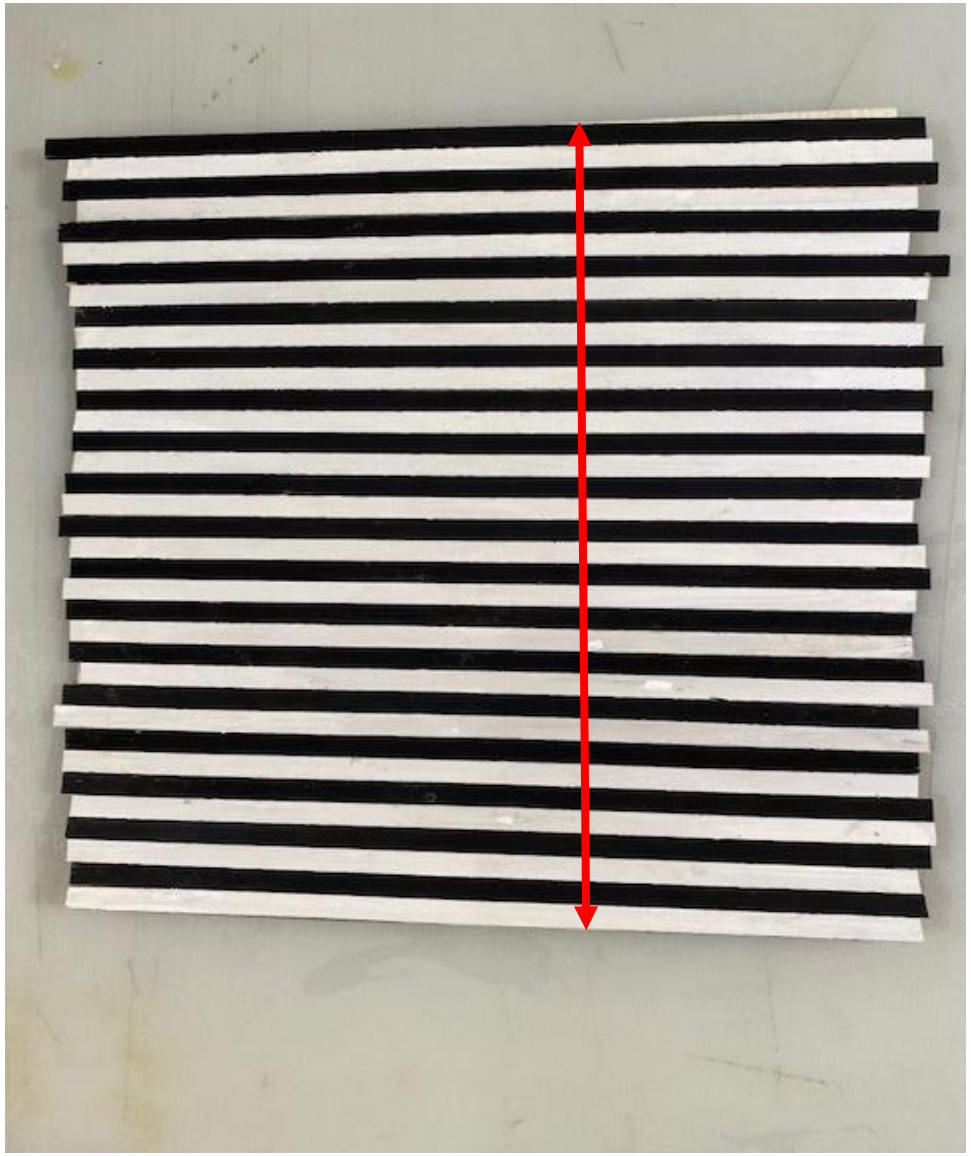
Fabricating Parquet Flooring

The substrate has to be trued up.

The glued up plank substrate must be cut perpendicular to the plank run.

Note: the length of the glued up substrate must be sufficient to cover the cutout deck substrate port to starboard.

Don’t forget to account for the plank width shift in determining the length of the finished substrate



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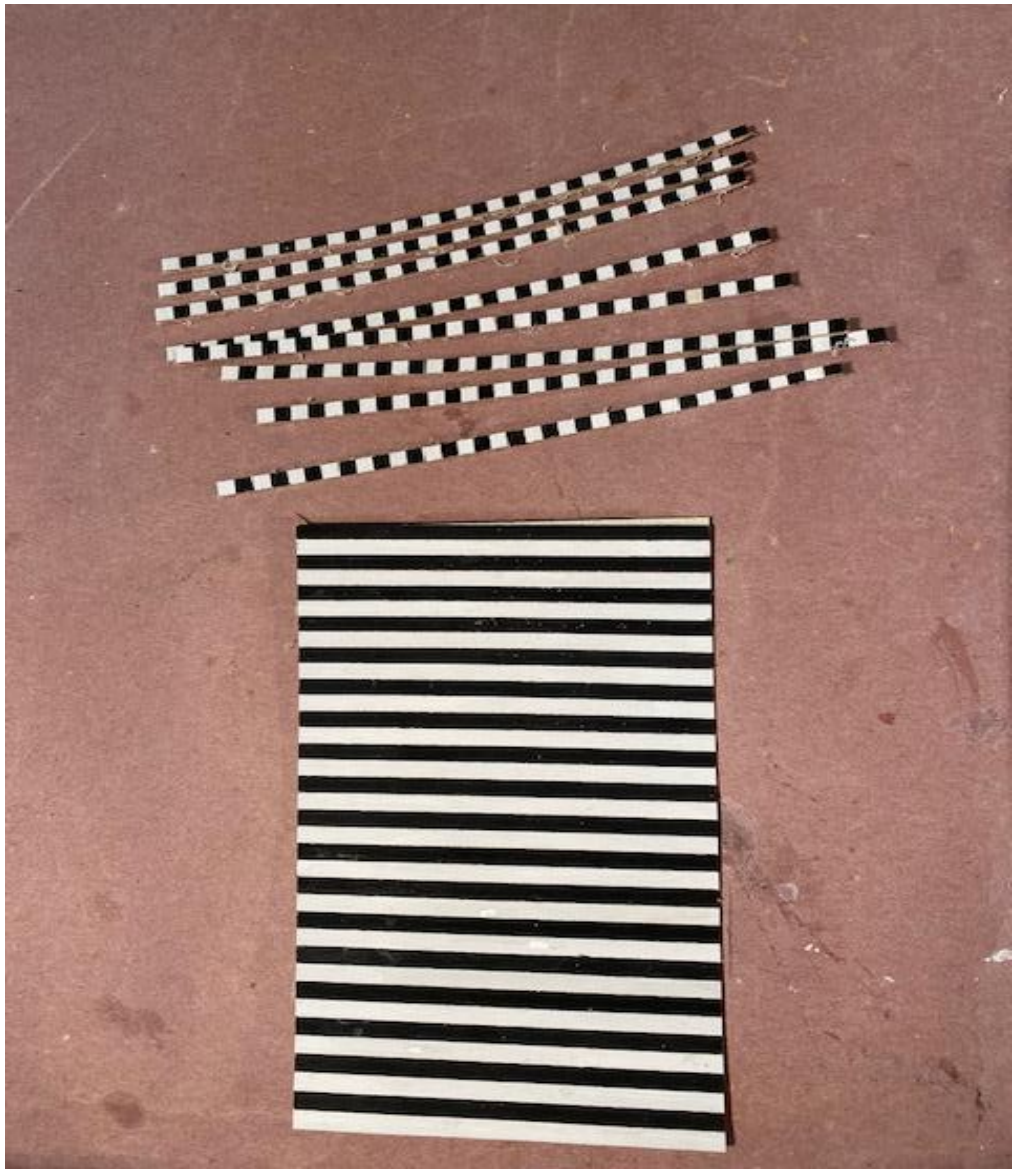
The glued up plank and substrate is continually cut to width.

Note: the perpendicular length of the glued up substrate must be sufficient to cover the cutout deck substrate

It is critical that your cross cut setting of the saw fence must be the exact width of the raw plank width



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The ripped planking and substrate strips are glued onto the final substrate

The cross cut plank is alternately shifted one plank color to create the desired parquet effect..

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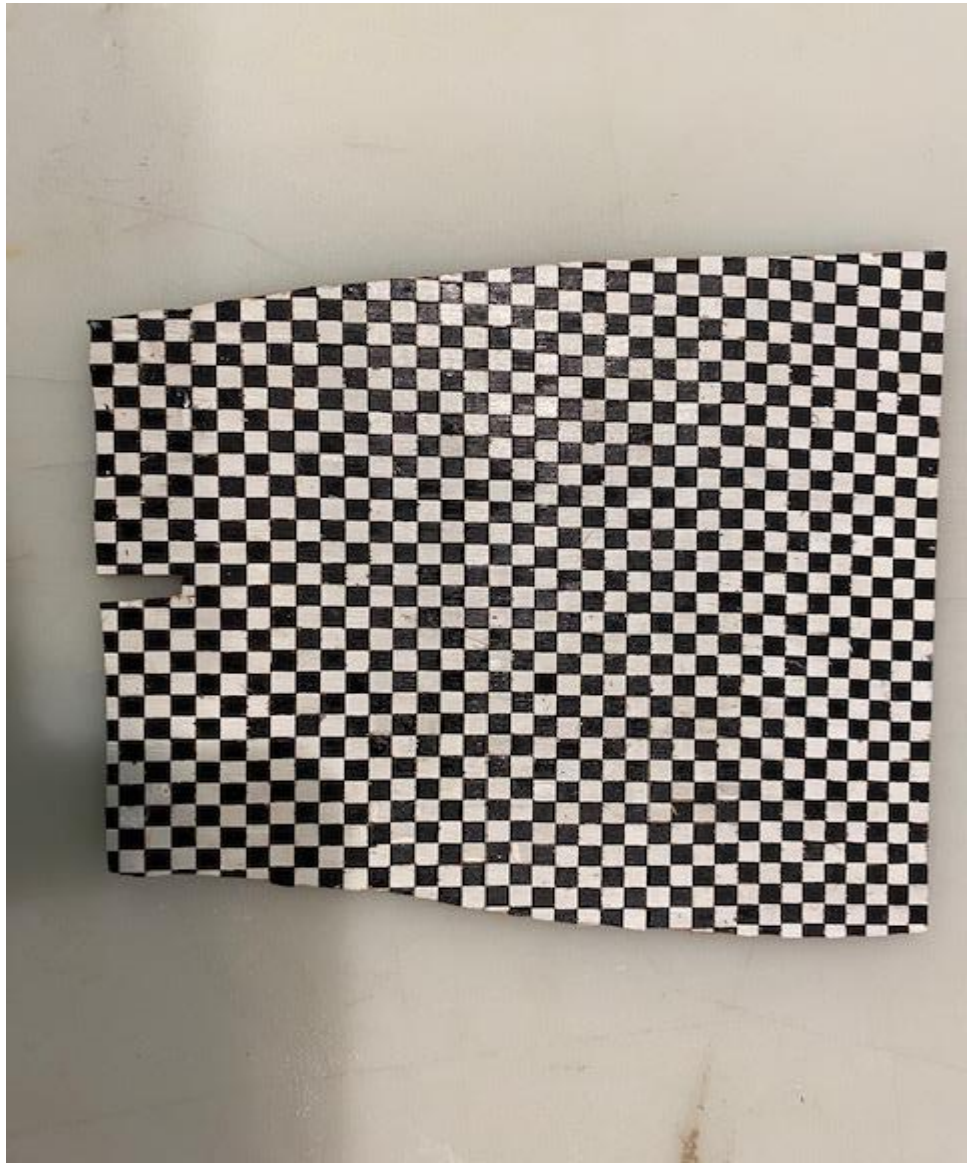
The assembly is flipped and trimmed to the template

Necessary cutouts such as the mizzen mast hole are completed



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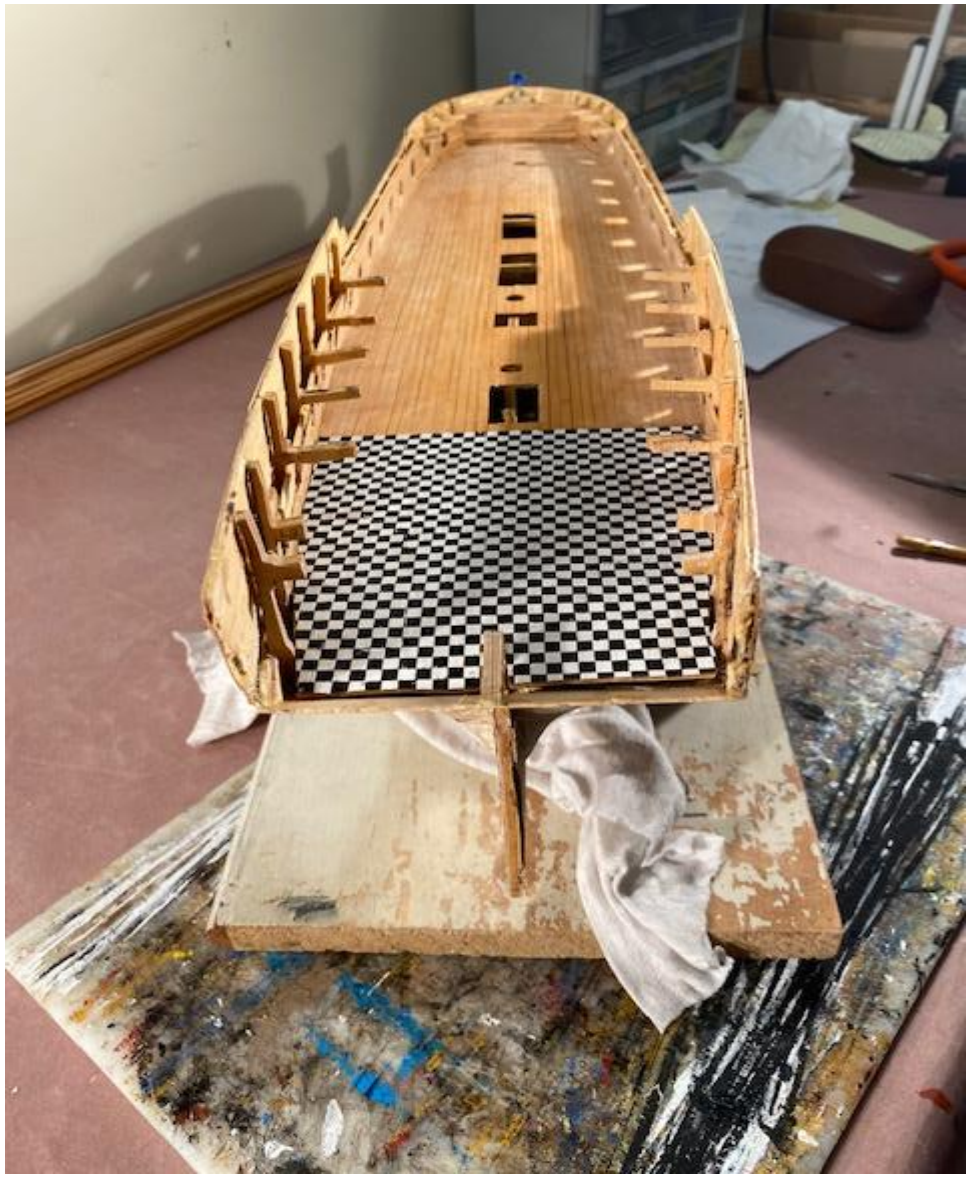
The assembly is ready for final install!!!!!!!!