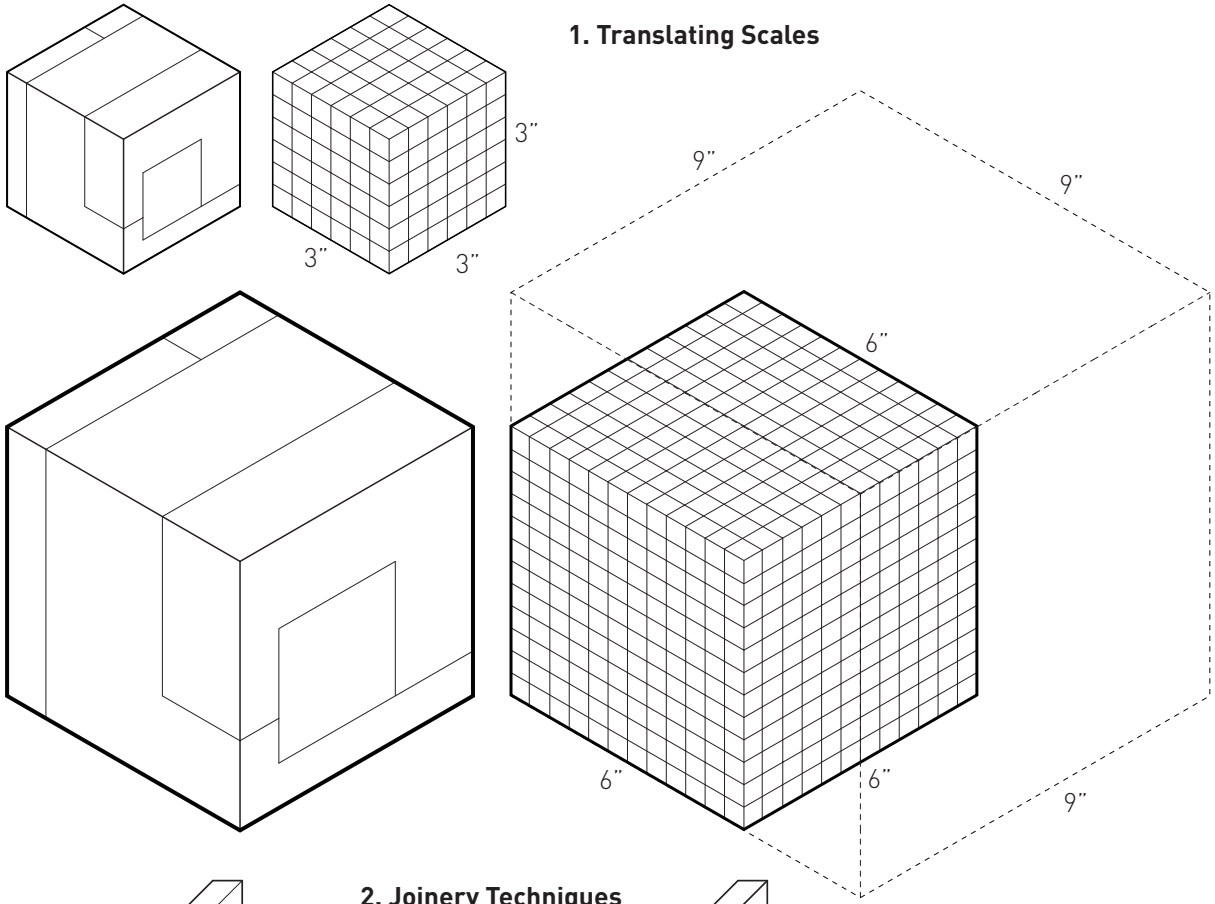

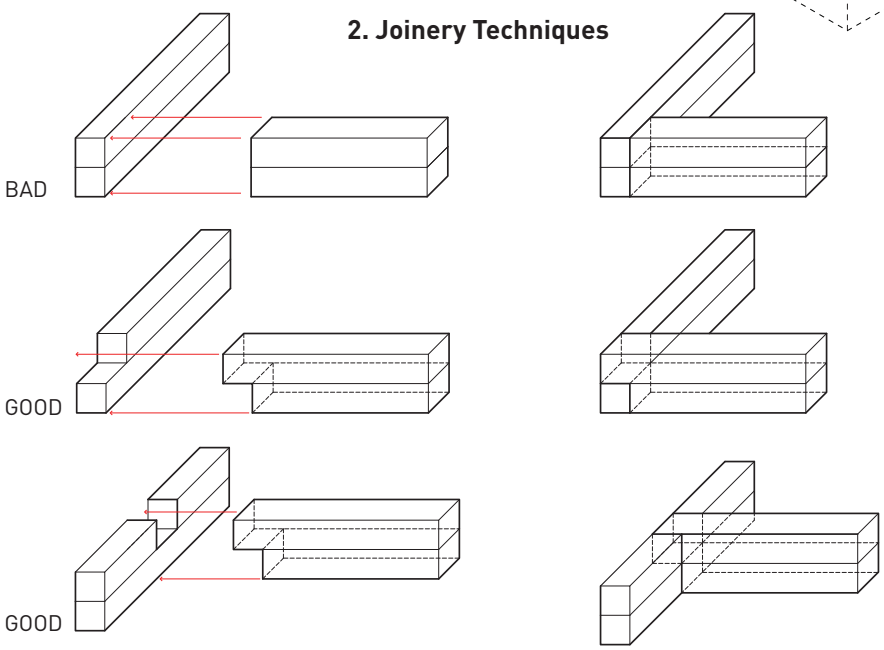

ASSIGNMENT 2.4

INSTRUCTIONS:

In assignment 2.4 you will be asked to reproduce your wooded 3" cube at a larger scale. The 3" model will be reconstructed as a 6" cube, but the scale of the material will change (1" x 1" Cross Sections). This will happen in two stages.

Step One:

Using 1" x 1" strips of blue foam, you will recreate your 3" cube as a 6" x 6" x 6" cube. The translation of scales should not be not seen as an opportunity to re-design your cube, but rather a moment to reconsider the details which will produce the same cube at a larger scale. You should consider different types of joinery in the production of the 6" foam cube (see the diagram at lower left). This model will serve as a mock up for the eventual construction of a 6" cube made entirely of basswood. While you are constructing your cube you should take an inventory of the lengths of material used, so that you can make an accurate estimation of the amount of basswood that you will use. Each student will be provided with 10 long peices of basswood.

The 6" foam model will also serve as means to test how the cube can expand to fill a 9" x 9" x 9" volume. You should build in locks and other elements which willl allow the 6" cube to fill the 9" x 9" x 9" volume, without assistance.

Step Two:

Following the completion of the 6" x 6" x 6" foam cube, you should consult with your instructor and TA to make sure that you are ready to build the final model out of Basswood. Once your foam model has been approved, you should use it as a guide for the production of your final model in basswood. The basswood model should be resolved using the joinery strategies developed during the production fo the 6" x 6" x 6" foam cube model.

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