

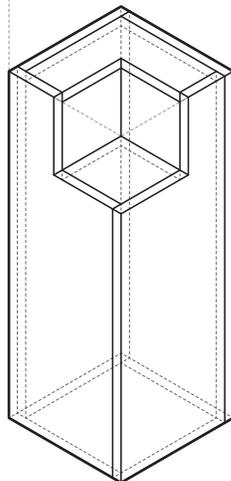
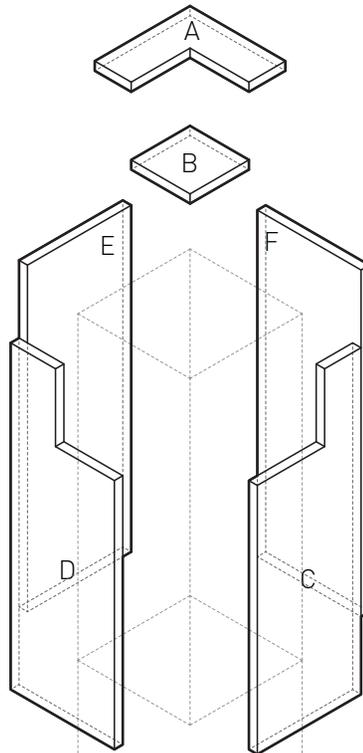
PINE BOARD

9.25"



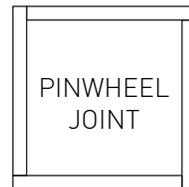
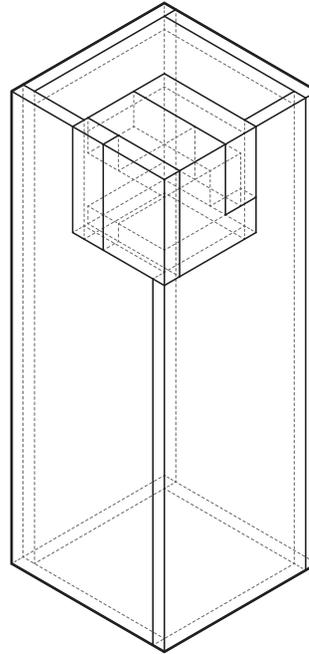
120"

ASSEMBLY DIAGRAM



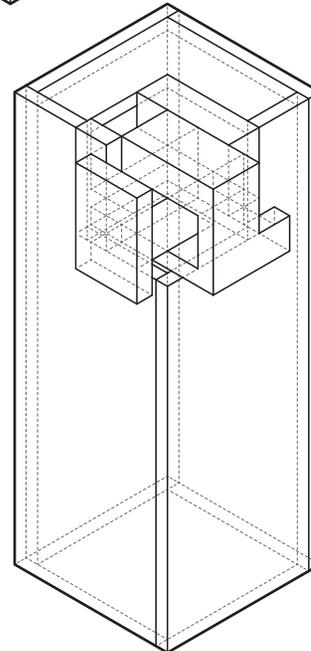
ASSEMBLED BASE

CLOSED CONDITION



PINWHEEL JOINT

OPEN CONDITION



ASSIGNMENT 2.3

INSTRUCTIONS:

Step One:

In assignment 2.3 you will be asked to produce a wooden base, which will serve as a "site" for your 6" x 6" x 6" Basswood cube. This model base will be produced during a woodshop tutorial session, in which each student will be responsible for the assembly of the base model. You should pay careful attention to the detail of the assembly of the base, as it will need to be built to receive your basswood model. Further instruction on the assembly of the base will be given during the tutorial session by the TA for your section.

Each base will be constructed out of a single 1" x 10" x 10' pine board. Your TA's will help you with the cutting of the Base, and you will be responsible for the assembly. Each Base is comprised of 6 parts, each with different dimensions. Consult the example base model while building your base to ensure that the assembly is correct.

Step Two:

For the Final review, your 6" x 6" x 6" basswood model should have a removable connection to the base, allowing you to slide the model to its open position. The cube model should be able to rest on the base, un-assisted, when it is in its open position. This means that you will have to consider strategies to balance the cube, so it does not topple off of the base. Be mindful of this issue while you are devising a removable connection to the base. Consult your Instructor and TA when you are developing the connection to your base, to ensure that the method of connection is suitable for your model.

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