Exercise 3: Thickened Plane + the Explosion

Choose one of the three following options.

A. Solid Material
   • Carve, grind, or cast non-orthogonal plane figures from a solid material (or liquid material that cures to solid)
   • An invention of a jig to determine location and angle is suggested
   • 3d printing is not allowed

B. Thick Sheet Material
   • Generate non-orthogonal details of a plane figure geometry
   • Material must be of significant thickness—such as 3/4” plywood
   • CNC Milling or Waterjet cutting is required

C. 3D Print
   • Demonstrate the potentials of non-orthogonal plane figure intersections
   • High detailed connections are required
   • Figure must internalize, mirror, or produce negative space in addition to the use of plane figures

For each of the three selections, the following deliverables are required
   • A physical model of roughly 6” size or greater of the material/method selected
   • A presentation of geometric operations employed (as well as failures)
   • A composite drawing that exploits the potentials of the strategy
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