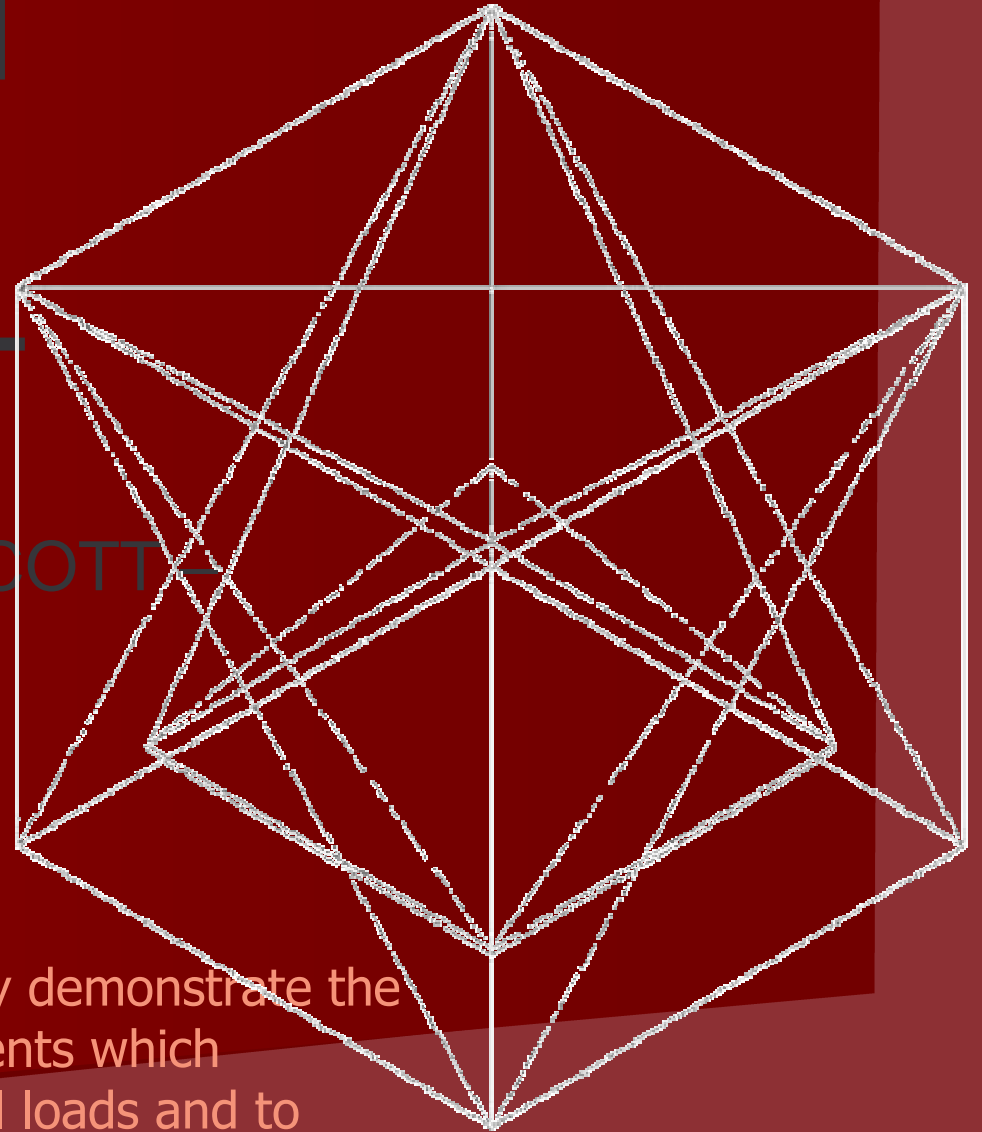


ARCH 631 DESIGN PROJECT

ALEISHA KOLB - HOLLIE SCOTT -
MANDI RABALAIS

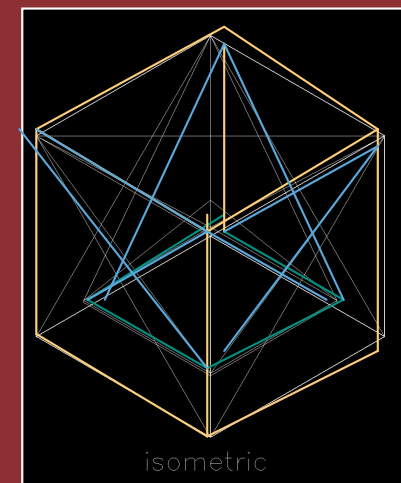
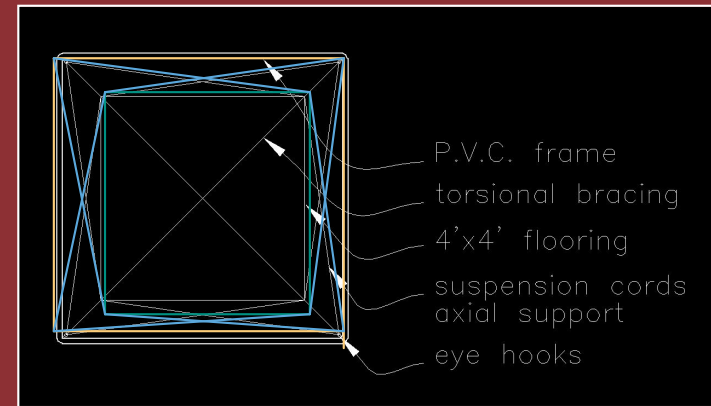
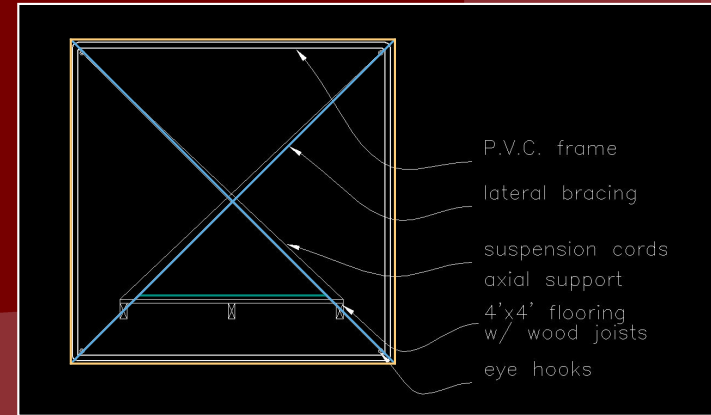


“The objective of the model is to physically demonstrate the 3 dimensional interplay of structural elements which maintain stability under vertical and lateral loads and to stimulate the structural planning process. The presentation file is to impart knowledge and physically demonstrate the variety of stabilizing systems. ”

FLOOR SYSTEM

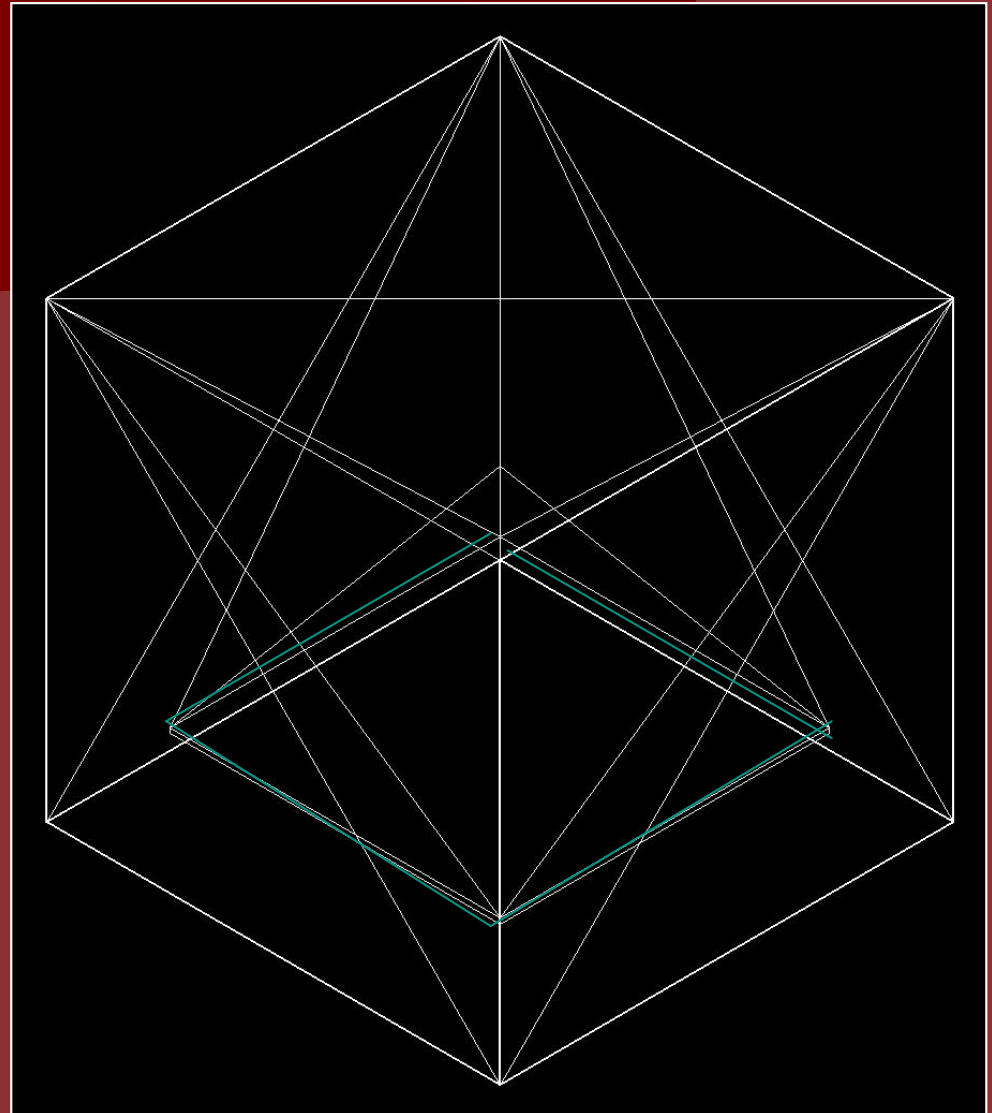
CABLES

RIGID FRAME



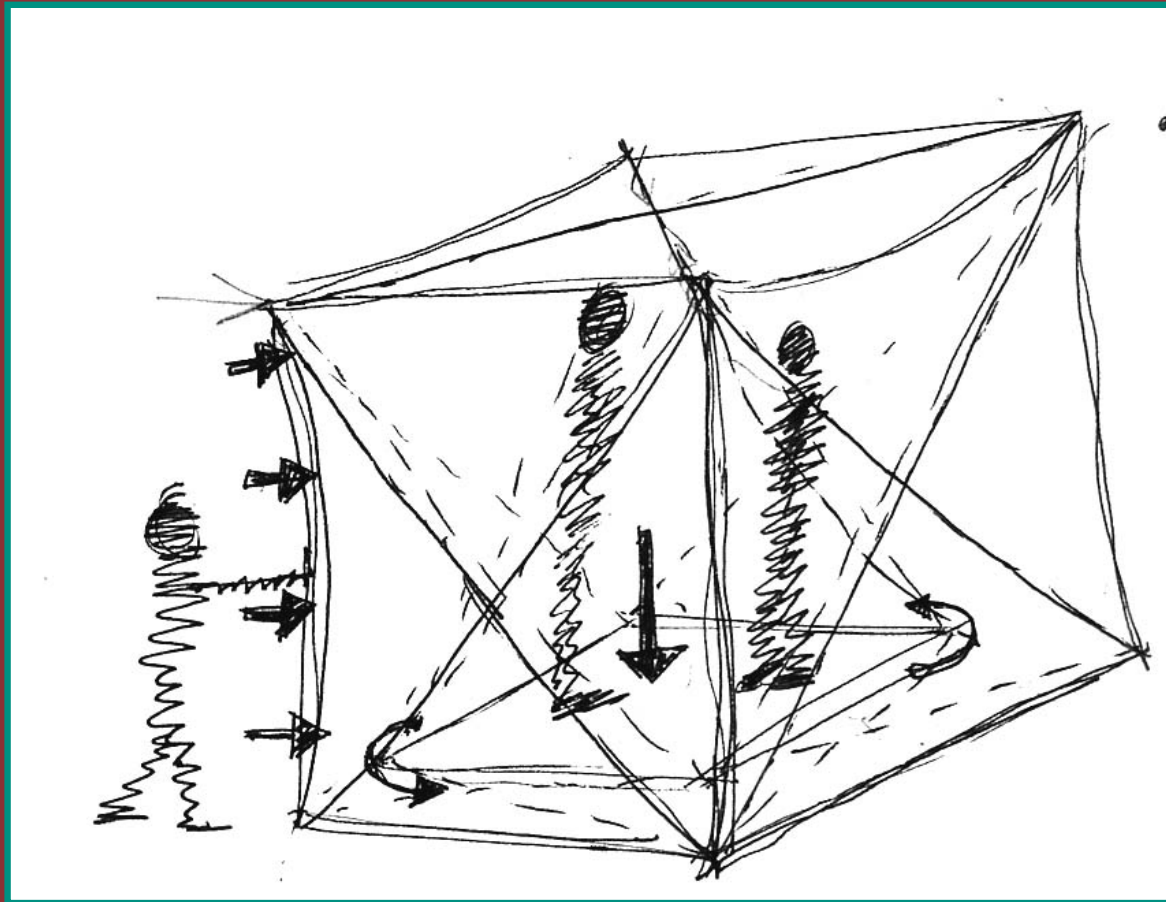
Floor System

One-way slab with Joists

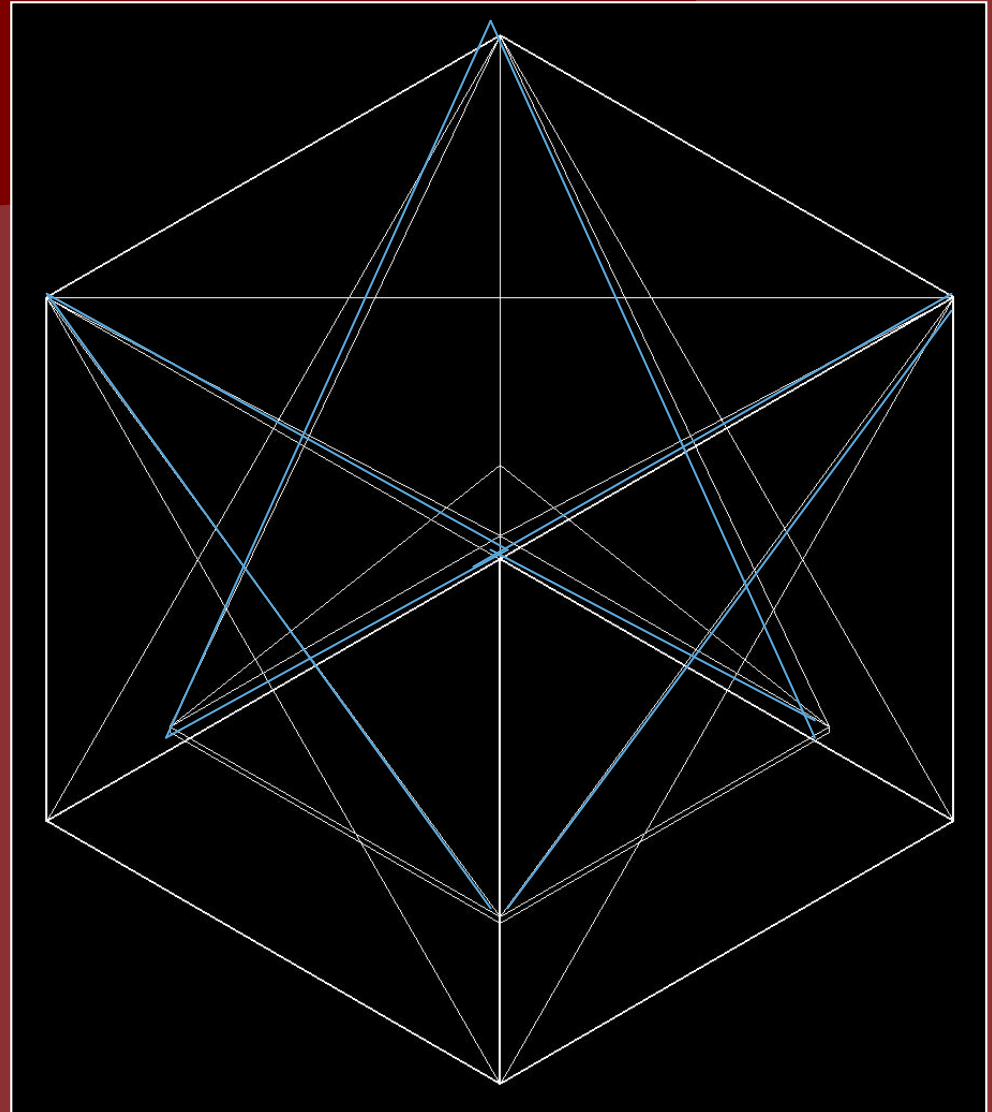


Stresses

1. Deflection



Steel Cables Suspension System

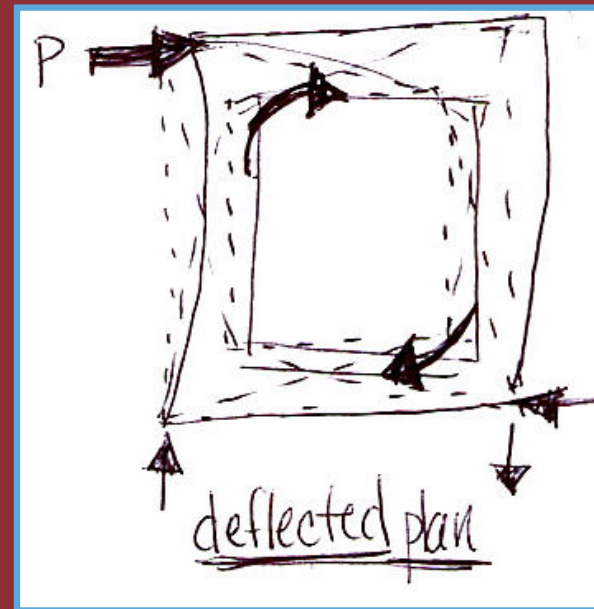
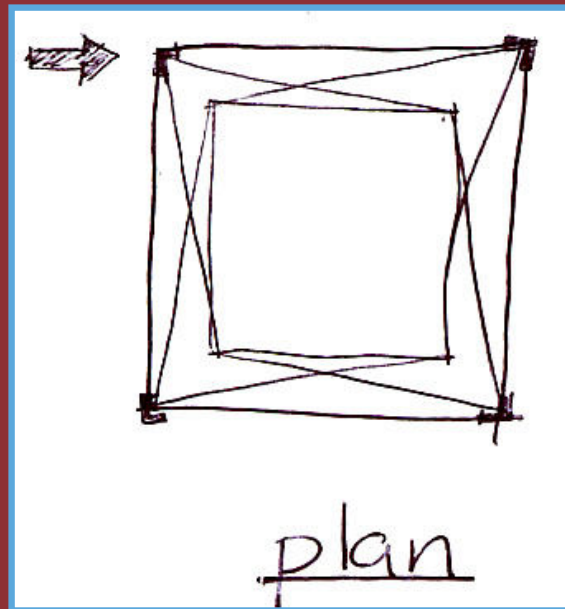


Stresses

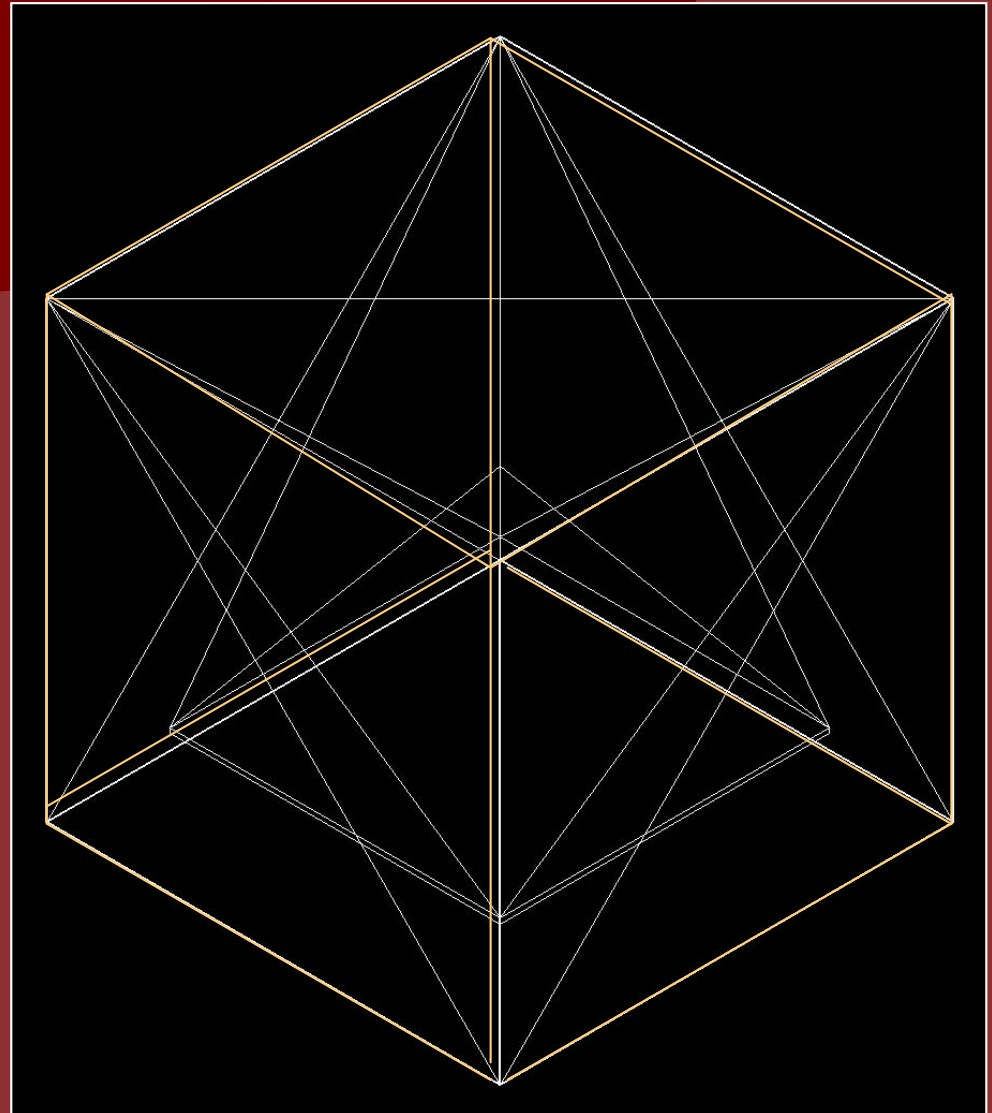
1. Tension

2. Compression

3. Torsion



Building System
Rigid Frame with
Lateral Bracing



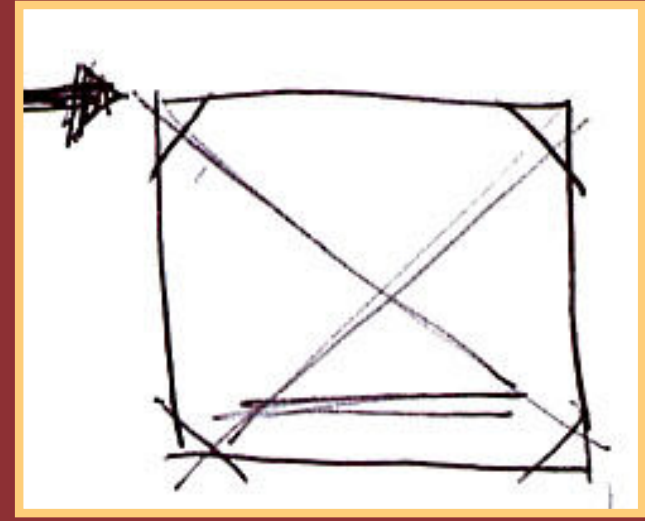
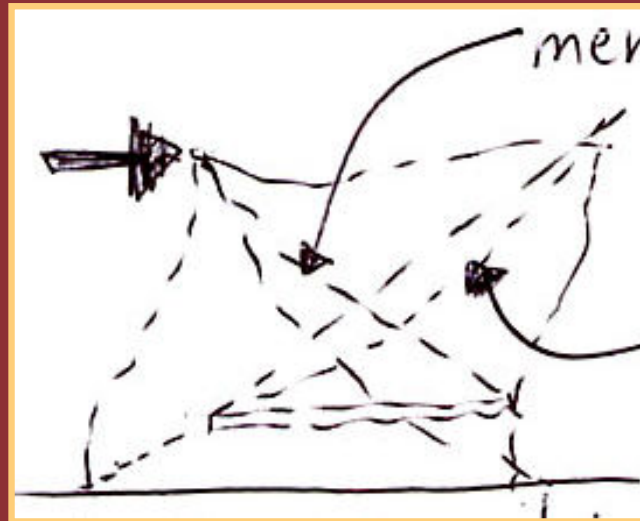
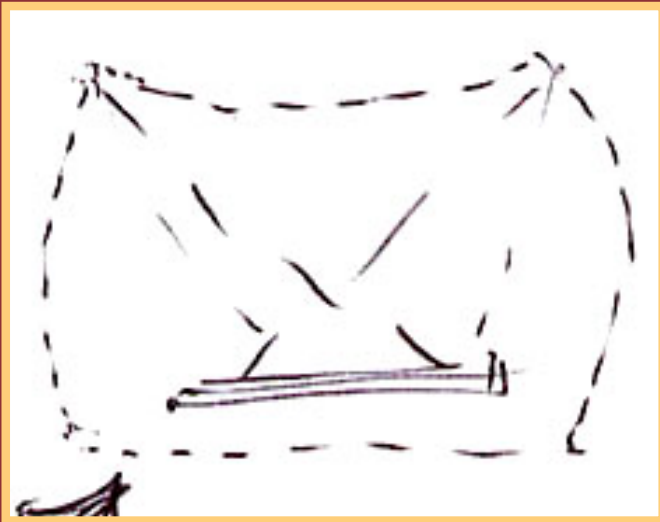
Stresses

1. Deflection

2. Torsion

3. Tension

4. Compression



The Construction Process

