Structures	II
Arch 324	

Name 1	
Name 2	
Name 3	

# Lateral Stability

## Description

This project investigates stable arrangements of structural walls against lateral loading.

### Goals

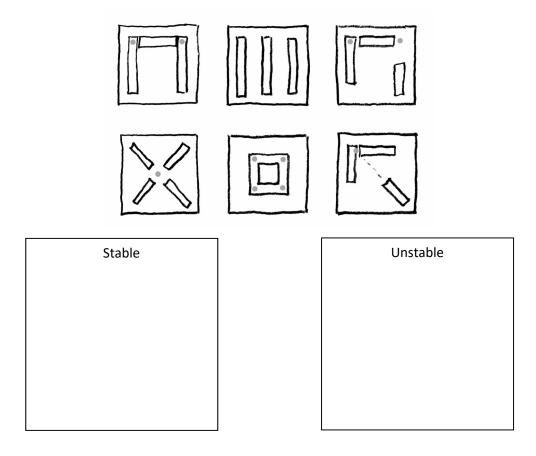
To observe the effects of lateral loading

To investigate the criteria of stable wall patters

To develop stable arrangements of shear walls based on the 2 point rule

### **Procedure**

- 1. Arrange the small wood walls on the foam core base to support the MDF slab.
- 2. Make each of the six arrangements.
- 3. Apply lateral and torsional accelerations to the base and note the effects on the assembly. Mark on the diagrams below which fail and which remain stable.
- 4. Make your own stable and unstable arrangement.
- 5. Sketch the arrangements below and mark the intersection points.



#### Due