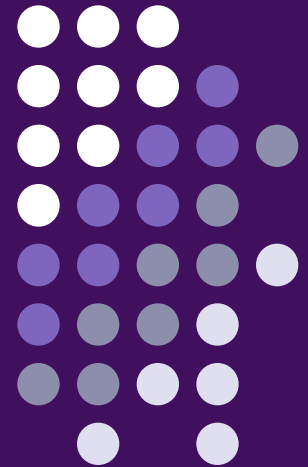


# The Rock Slide

Purple B  
Sketch Model Review





# Market

- 7,700 Professional Climbers
- 29,000 Gyms in the US
- 40 Million Memberships in 2005
- \$3.8 Billion Spent on Exercise Equipment

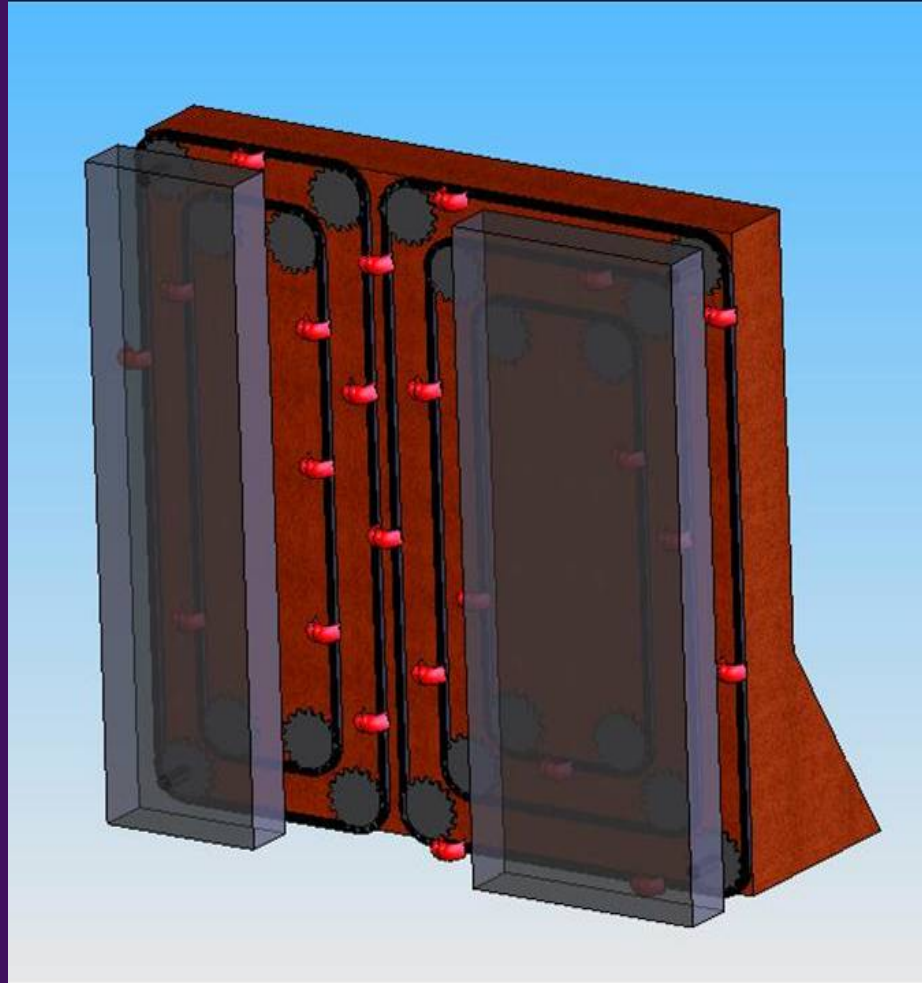


# Development

- Natural rock climbing
- Indoor rock climbing walls
- Continuous climbing walls
- Next step?
  - Randomized continuous climbing walls



# CAD Model





# How it Works

- Two Chains
- Single Gear Controls Speed
- Different Lengths Vary Location

# Sketch Model





# Technical Problems

- Attaching handholds
  - Strength of welding - must support at least ~880 N
  - Placement
- Protect hair and fingers from getting caught
- Maximize useful climbing area
- Budget

# Next Step

- Costs
- Better gear train
- Gravity control





