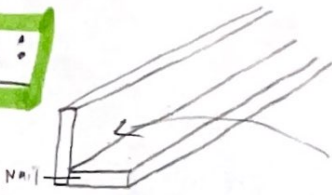


Magna tiles operation:

Mark 1:

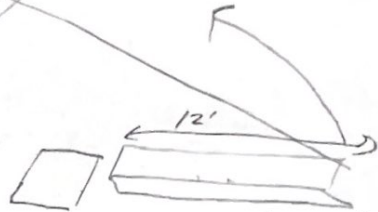
challenge goal 12'



did not transfer downward force (weight) equally



bent under strain



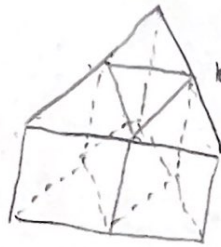
Successfully built a 12' structure free standing

bent under strain

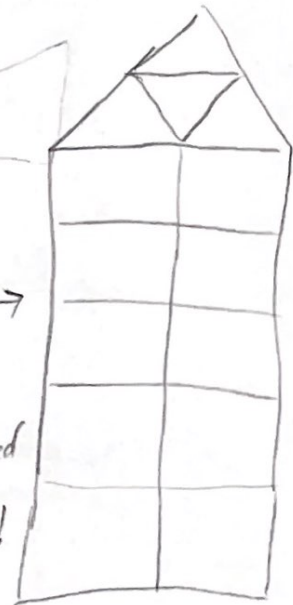
Mark 2:

challenge goal 24'

changed design to an equilateral triangle

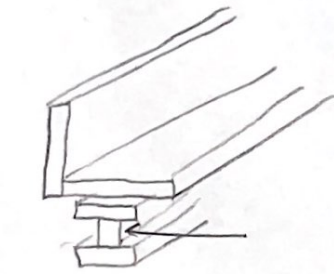


4 triangle or Triforce



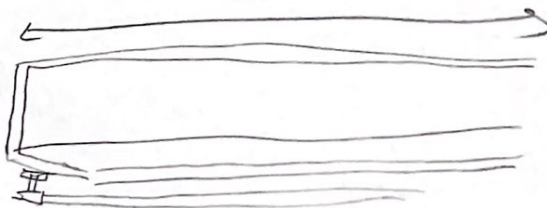
\* This structure held 55.4 lb.

\* All weight was transferred directly to the next level Better than cube structure!



constructed I beam for support to stop deflection -> Not strong enough bent and broke

24'



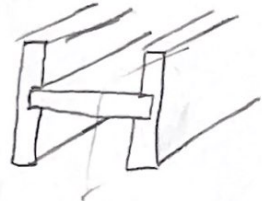
Made in 8' sections - connected with screws. totally up stable - bent and broke -

Mark 3:

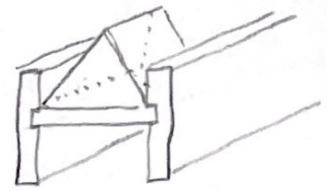


challenge 24'  
Goal

As per discussin with Tai:  
construct an Ibeam -



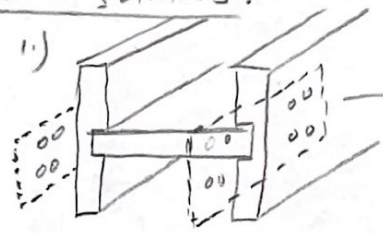
use Ibeam as the scaffold.



Challenge:

How to connect 8' sections of the I beams?  
\* Needs to be able to be assembled and broken down

possible solutions:



→ steel plate that connects each section

so