

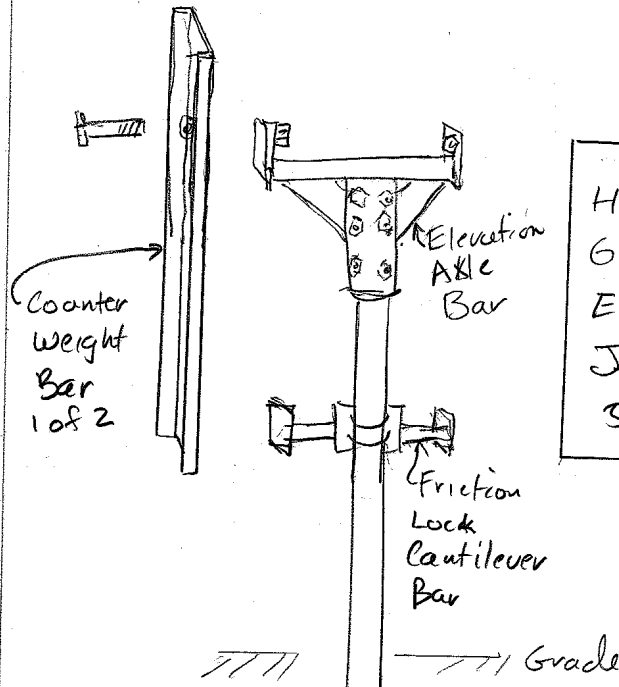
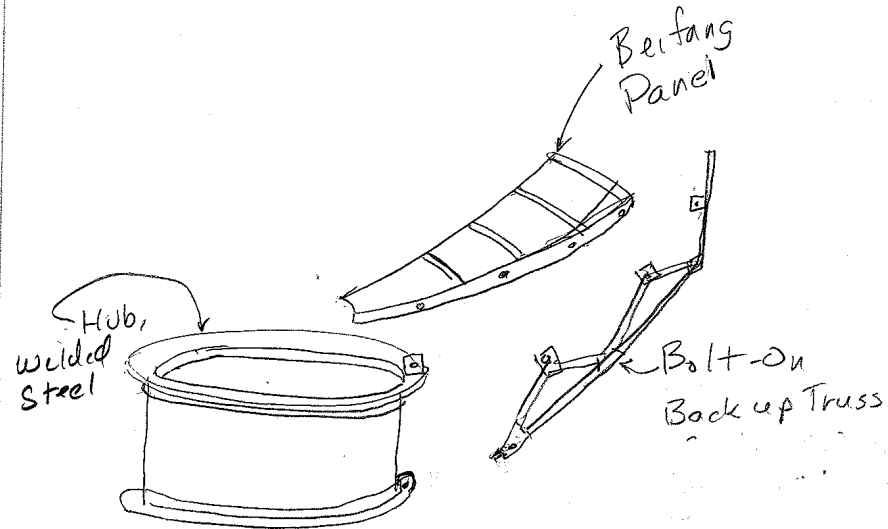
6.1 meter dish for HIRAX

Report by Jeff Peterson 5/21/15

- I was asked by HIRAX to procure a 6 m dish
- I enlisted the help of Zhiping Chen who modeled the structure, negotiated with companies, and helped with fabrication.
- I considered Beifang and HPT as sources
 - I like the stackable panels from Beifang
 - I realized that the Beifang design was used at Mi Yuen, and these dishes are still up 20 years later
 - I like the deep trusses and steel hub of HPT
 - A strong negative of HPT is the installation of the mesh in the field
 - Neither design used a counterweight.
- We decided to buy a Beifang dish and build our own hub/truss/counterweight backup structure.

Exploded view

STAEDTLER®
No. 937 811E
Engineer's Computation Pad



HIRAX
6-Meter Dish
Exploded View
JB PETERSON
5/4/15

Beifang 6m

- Steel ring is twice as heavy as for 4.9 m—very strong
- Elevation adjustment nut now swivels—much better
- Could use Beifang dishes as-is
- Cost was \$1280 USD plus shipping
- HPT quote was \$4000













Video of elevation adjustment

