SUMMARY

The most familiar form of the truncated icosahedron in America would likely be the soccer ball, but its history and its influence go far beyond that.

I had always wanted to build a symmetric form and I finally had the time and money to invest in the project. The crux was the angles and keeping the connections somewhat elegant.
The answer came to me as a gestalt: hinges would make the angles for me and be a strong and excellent connector for the plates. After that epiphany, keeping the plates identical; 20 hexagons, 12 pentagons. Beyond the preparation of the plates it was endless screwing and insertion of T-nut anchors. I have taken it to several Maker Faires and plan to present at World Maker Faire in New York this September.