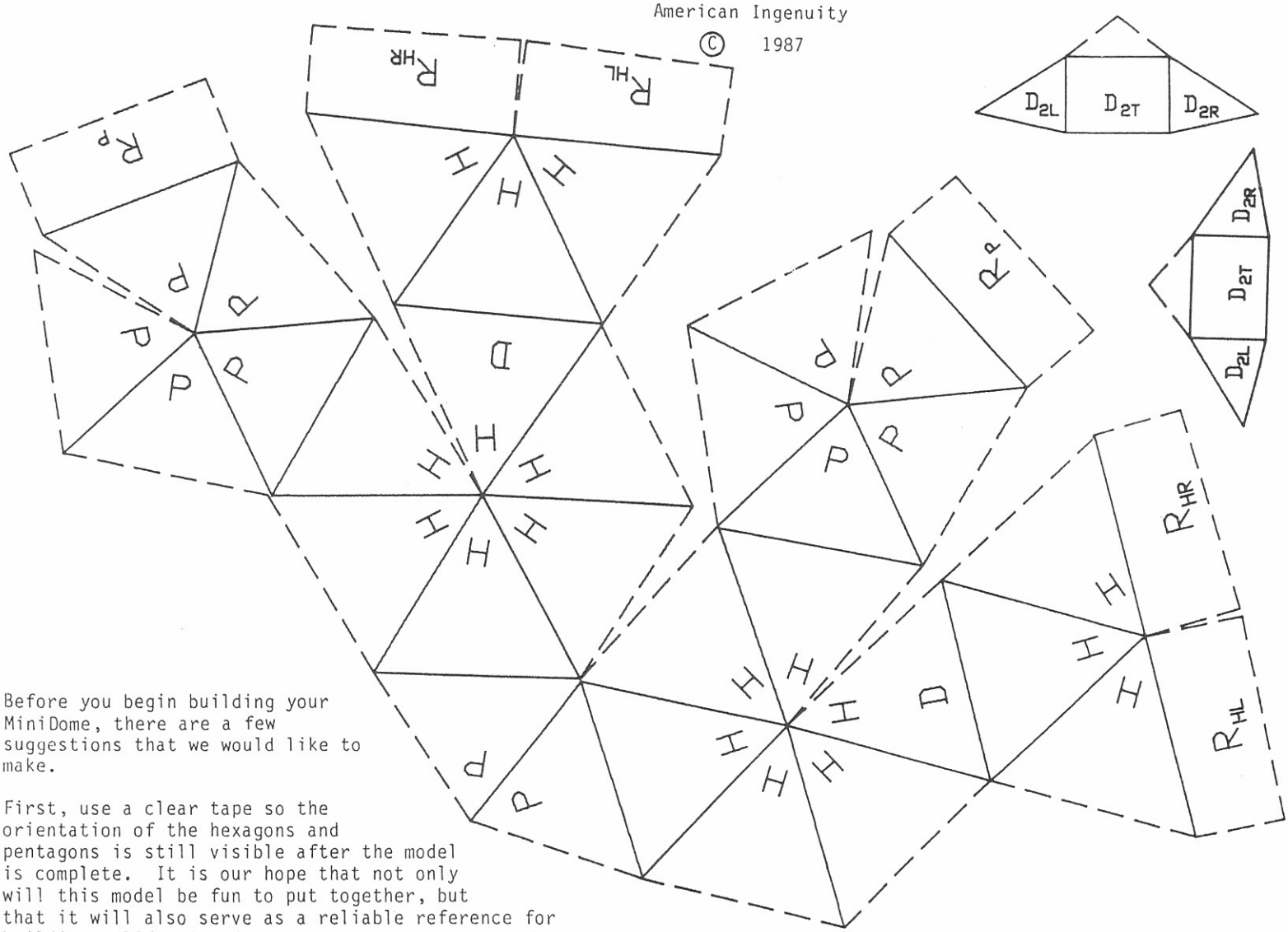
American Ingenuity
© 1987



Before you begin building your MiniDome, there are a few suggestions that we would like to make.

First, use a clear tape so the orientation of the hexagons and pentagons is still visible after the model is complete. It is our hope that not only will this model be fun to put together, but that it will also serve as a reliable reference for building a life-size dome.

The second suggestion is that when putting the model together, do so with the graphics to the inside. It is easier to tape the sides together while looking directly at the marked panels. Finally, if you anticipate needing more window dormers and entryways than we have provided, make copies of these before starting.

Here are some step-by-step instructions for building your model home. Enjoy!

1. Cut along the dotted lines of the dome shell.

2. Use a rounded edge tool, such as a butter knife, and place a crease along each of the solid lines. These creases will make it easier to fold the MiniDome.

3. Tape together each of the dotted line sides of a hexagon ("H" panel), pentagon ("P" panel) and riser walls ("R" panel) so that the shell begins to take shape. Be sure to tape the entire seam.

4. Repeat step 3 with the other side of the dome shell.

5. Tape the two sides of the dome shell together. You have already completed the shell of your MiniDome!

6. Cut out the window dormers and entryways along the outside edges. Entryways are designated by the numbered "E" panels and dormers are indicated by the "D" panels. The tabs (shown by dotted lines) provided at the top of each, is for the convenience of taping. These tabs should be folded downward and placed against the dome shell. The E_1 panel should be in line with the R_{HL} panel, while the E_5 panel is in line with the R_{HR} panel.

7. Window dormers are to be placed against those hexagon panels that have been marked with a "D". The points of the dormer should be placed in line, starting at the base of the hexagon panel, along the "H" panel sides and taped to the dome shell. The panel marked "D_{2T}" specifies the top of the dormer for the second floor.

8. Repeat steps 6 and 7 for each window dormer and entryway desired. There is a maximum of five dormers for the 2nd floor and five entryways for the 1st floor.