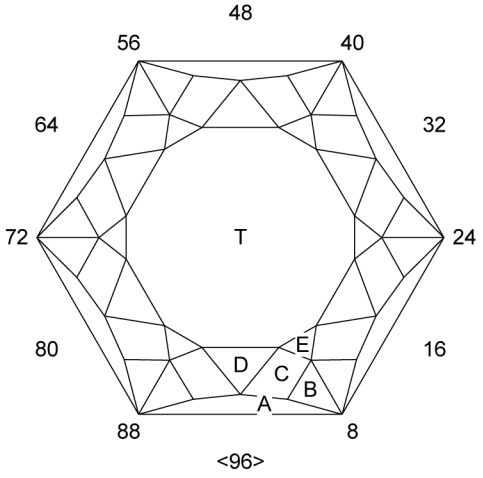
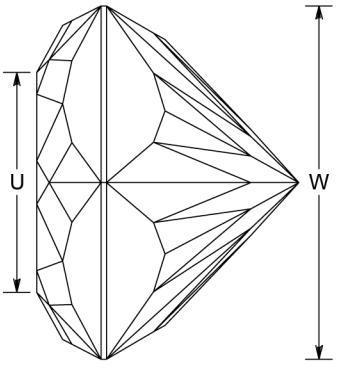
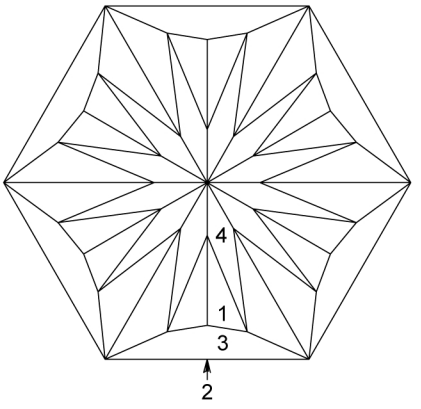
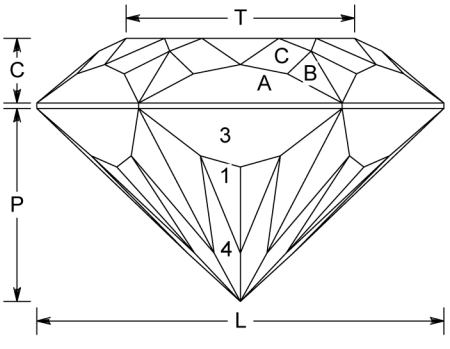






Hexagonal Barion Brilliant

Bruce White 4-29-11
Angles for R.I. = 1.540
85 + 6 girdles = 91 facets
6-fold, mirror-image symmetry
96 index
L/W = 1.155 T/W = 0.648 U/W = 0.622
P/W = 0.545 C/W = 0.183
Vol./W³ = 0.310



PAVILION

1	44.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to Centerpoint
2	90.00°	96-16-32-48-64-80	Establish Width
3	60.00°	96-16-32-48-64-80	Meet at Girdle Line
4	43.25°	04-12-20-28-36-44-52-60-68-76-84-92	Meet at 1-3-1

CROWN

A	63.00°	96-16-32-48-64-80	Set Gidrdle thickness
B	40.00°	06-10-22-26-38-42-54-58-70-74-86-90	Meet A at Girdle
C	34.00°	03-13-19-29-35-45-51-61-67-77-83-93	Cut to a little past the midpoint of A-B interface
D	29.00°	96-16-32-48-64-80	Meet C-A-C
E	25.00°	08-24-40-56-72-88	Meet C-B-B-C
T	0.00°	Table	Meet D-C-E to form Table

Barion Pavlion with Double Barion Crown. Not a pure meet point design because of the C Crown facet