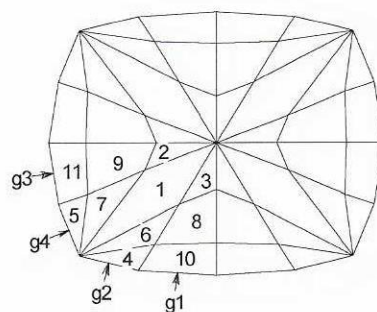
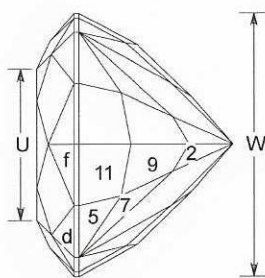
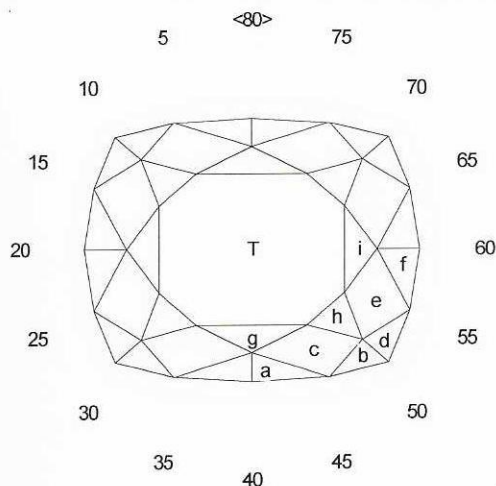


The Queen's Fancy

By Ernie Hawes

Angles for R.I. = 1.760

77 + 16 girdles = 93 facets

2-fold, mirror-image symmetry

80 index

$L/W = 1.250$ $T/W = 0.695$ $U/W = 0.576$

$P/W = 0.576$ $C/W = 0.145$

$Vol./W^3 = 0.365$

PAVILION

1	41.40°	09-31-49-71	Cut to center point
2	38.00°	16-24-56-64	Cut to center point
3	42.40°	03-37-43-77	Cut to center point
g1	90.00°	01-39-41-79	Set girdle width to allow 1.25 ratio
g2	90.00°	03-37-43-77	Meet g1 at line dividing 1 and 3
g3	90.00°	18-22-58-62	Cut length to 1.25 ratio with width
g4	90.00°	15-25-55-65	Meet g3 at line dividing 1 and 2
4	58.40°	03-37-43-77	Cut to juncture g2/g4 and 1
5	53.40°	15-25-55-65	Meet 1 and 4 at juncture g2/g4
6	43.60°	07-33-47-73	Meet at juncture 4/5 and g2/g4
7	42.00°	11-29-51-69	Meet at juncture 4/5 and g2/g4
8	45.90°	02-38-42-78	Meet at juncture 1/3/6
9	40.80°	17-23-57-63	Meet at juncture 1/2/7
10	60.00°	01-39-41-79	Cut to level girdle line
11	54.00°	18-22-58-62	Cut to level girdle line

CROWN

a	41.00°	01-39-41-79	Set girdle thickness
b	38.80°	03-37-43-77	Cut to girdle line
c	36.00°	02-38-42-78	Meet a/b at girdle
d	34.80°	15-25-55-65	Cut to girdle line
e	30.20°	17-23-57-63	Meet d at girdle juncture g3/g4
f	32.70°	18-22-58-62	Cut to girdle line
g	26.00°	80-40	Meet at juncture a/c
h	19.00°	09-31-49-71	Meet at juncture b/c/d/e
i	20.60°	20-60	Meet at juncture e/h and f
T	0.00°	Table	Cut table to juncture c/g/h and e/h/i

Angles are suitable for RI 1.63 - 1.80. OK for tourmaline, topaz, garnet (except pyrope), chrysoberyl, corundum, and zircon.