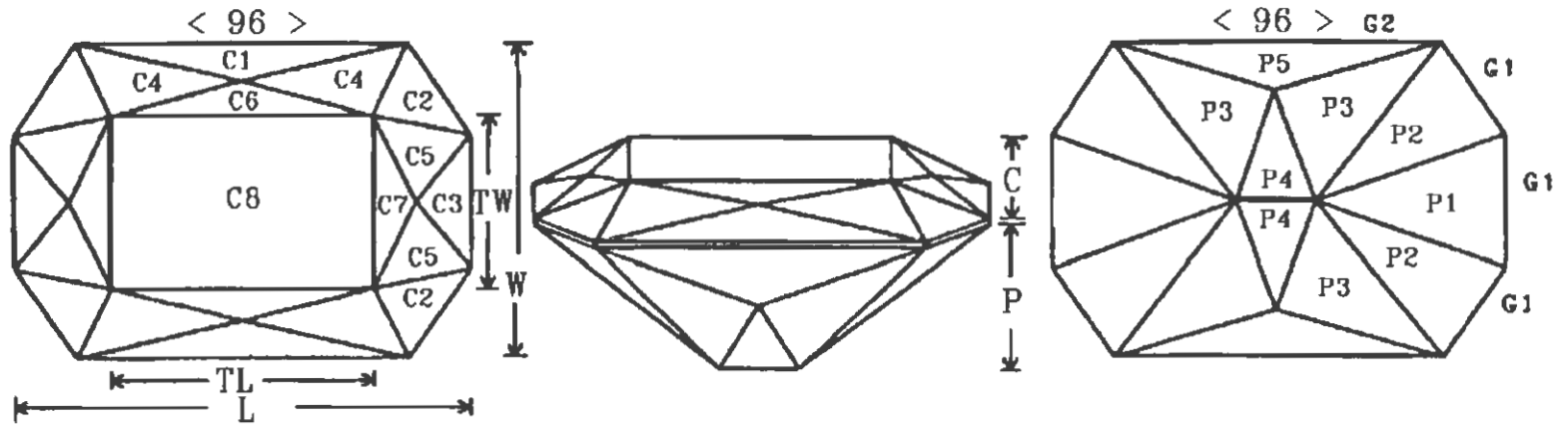


# SEATTLE FACETOR DESIGN December 1989



## 4.101 NOBANDS

96 INDEX                      1.400 L/W                      43 FACETS  
 0.139 C/W                      0.539 P/W  
 0.801 TL/W                      0.550 TW/W

Reference: LONG, Robert H, New Design

CROWN CUTTING INSTRUCTIONS			
STEP/ANGLE	BEARING INDEX		REMARKS
C1	37.5	96-48	Fix girdle thickness
C2	33.0	81-63-33-15	Level girdle
C3	27.0	72-24	Level girdle
C4	31.0	95-49-47-01	Meet C1-C2-girdle
C5	25.3	73-71-25-23	Meet C2-C5-girdle
C6	24.3	96-48	Meet C4-C1-C4
C7	22.1	72-24	Meet C5-C3-C5
C8	0.0	Any for Table	

PAVILION CUTTING INSTRUCTIONS			
STEP/ANGLE		BEARING INDEX	REMARKS
G1	90.0	72-24-81-63-33-15	Fix length
P1	43.0	72-24	Locate girdle
P2	42.0	81-63-33-15	Level girdle and meet G1-G1-P1
P3	43.6	93-51-45-03	Meet P2-P1-P2
P4	41.0	96-48	Meet P1-P2-P3
P5	57.4	96-48	Meet P3-P4-P3
G2	90.0	96-48	Level girdle and meet P2-P3-P5-G1

Note: "G" facets are girdle facets; "P" facets are pavilion facets other than the girdle.

Cutting sequence is simplified by using ECED for the end and corner facets. Indexing for the corner facets has been adjusted from the more usual (12-36-60-84) i.e. 45 degrees on corner, to mitigate the dark bands problem (see article on page 2).