

SEATTLE FACETOR DESIGN
FEBRUARY 1976

CUTTING ANGLES FOR 12 MAIN TRUE ELLIPSE (72 INDEX, SPINEL ANGLES)

		Ellipse Size (mm)					
		5 x 7	6 x 7	5 x 6	4 x 5	6 x 8	
		10 x 14	12 x 14	10 x 12	8 x 10	12 x 16	
		15 x 21	18 x 21	15 x 18	12 x 15	18 x 24	
		20 x 28	24 x 28	20 x 24	16 x 20	24 x 32	
		25 x 35	30 x 35	25 x 30	20 x 25	30 x 40	
		CROWN INDEX					
C R O S S	M	35 - 72	45.5	42.4	43.2	43.3	44.1
	A	04 - 32 - 40 - 68	44.0	41.8	42.5	42.4	42.9
	I	10 - 26 - 46 - 62	39.2	39.7	39.9	39.3	38.9
	N	18 - 54	36.0	38.0	38.0	37.0	36.0

W N E A K S	B	01 - 35 - 37 - 71	47.4	44.4	45.1	45.3	46.0
	R	03 - 33 - 39 - 69	46.6	44.1	44.8	44.8	45.4
	E	05 - 31 - 41 - 67	45.3	43.5	44.1	44.0	44.3
	A	09 - 27 - 45 - 63	42.0	42.0	42.4	41.8	41.5
	K	12 - 24 - 48 - 60	40.9	42.0	42.1	41.4	40.5
	S	16 - 20 - 52 - 56	40.2	42.1	42.1	41.2	40.2

S T A R S	O	02 - 24 - 38 - 70	39.0	36.0	37.0	37.0	38.0
	T	07 - 29 - 43 - 65	34.0	33.9	33.0	33.0	33.0
	A	14 - 22 - 50 - 58	27.0	28.0	28.0	29.0	27.0

		PAVILION INDEX					
P A V I L I O N	M	35 - 72	46.5	43.4	44.2	44.3	45.1
	A	04 - 32 - 40 - 68	45.0	42.8	43.5	43.4	43.9
	I	10 - 26 - 46 - 62	40.2	40.7	40.9	40.3	39.9
	N	18 - 54	37.0	39.0	39.0	38.0	37.0

I L L O N	B	01 - 35 - 37 - 71	47.2	44.2	44.9	45.1	45.8
	R	03 - 33 - 39 - 69	46.4	43.9	44.6	44.6	45.2
	E	05 - 31 - 41 - 67	45.1	43.3	43.9	43.8	44.1
	A	09 - 27 - 45 - 63	41.8	41.8	42.2	41.6	41.3
	K	12 - 24 - 48 - 60	40.1	41.2	41.3	40.6	39.9
	S	16 - 20 - 52 - 56	38.4	40.3	40.3	39.4	36.4

Based on calculations made by R. H. Long.

Tolerances: MAINS \pm 0 degrees
 BREAKS \pm 0.5 degree
 STARS \pm 4.0 degrees