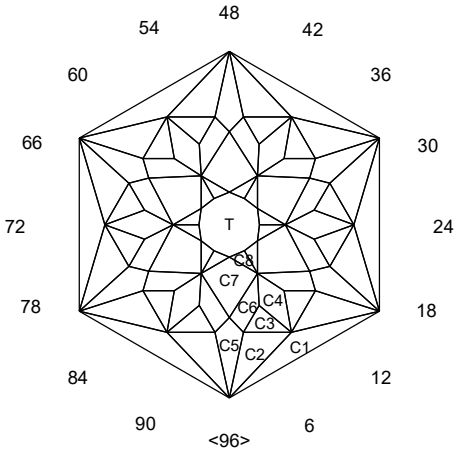
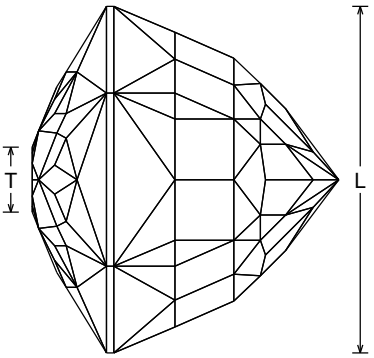
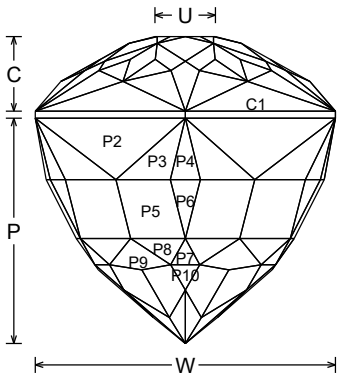
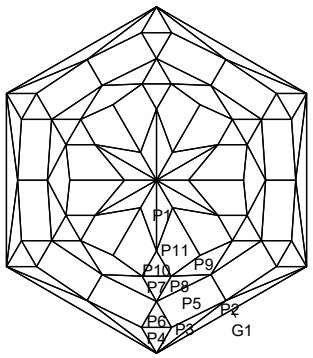
Ice Fortress

by Arya Akhavan (May 2020)









Facet Data

Pavilion facets	96	Pavilion tiers	11
Girdle facets	6	Girdle tiers	1
Crown facets	72+1	Crown tiers	8+1
Total facets	**175**	Total tiers	21

Size Data

L/W	1.155	P/W	0.750
T/W	0.216	C/W	0.248
U/W	0.202	H/W	1.022
V/W^3	0.465	P/C	3.023

Design Data

Angles for R.I.	1.61
Symmetry	6-fold, mirror
Index gear	96

Comments

USFG 2025 Grand Master Design Stone
Stone Width 12.0 mm +/- 0.1 mm
Girdle Width 0.5 mm +/- 0.1 mm
Material is Topaz

Pavilion

P1	39.17	06-10-22-26-38-42-54-58-70-74-86-90	Meet P9, P10
G1	90.00	08-24-40-56-72-88	Set stone size.
P2	79.79	08-24-40-56-72-88	Set girdle width.
P3	74.77	07-09-23-25-39-41-55-57-71-73-87-89	Meet G1, P1
P4	67.00	96-16-32-48-64-80	Meet G1, P1, P2
P5	63.01	07-09-23-25-39-41-55-57-71-73-87-89	Meet P1, P2
P6	66.15	96-16-32-48-64-80	Meet P2, P3, P4
P7	46.37	96-16-32-48-64-80	Meet P4, P5
P8	58.55	07-09-23-25-39-41-55-57-71-73-87-89	Meet P4, P5, P6
P9	54.99	08-24-40-56-72-88	Meet P4, P7
P10	45.05	96-16-32-48-64-80	Meet P6, P7, P8
P11	41.00	07-09-23-25-39-41-55-57-71-73-87-89	Meet P6, P7, P8, P9

Crown

C1	49.21	08-24-40-56-72-88	Level girdle.
C2	35.21	05-11-21-27-37-43-53-59-69-75-85-91	Meet G1, C1
C3	30.66	06-10-22-26-38-42-54-58-70-74-86-90	Meet C1, C2
C4	29.23	08-24-40-56-72-88	Meet C1, C2, C3
C5	31.76	96-16-32-48-64-80	Meet G1, C1, C2

C6	27.04	04-12-20-28-36-44-52-60-68-76-84-92	Meet C2, C3, C5
C7	22.24	96-16-32-48-64-80	Meet C5, C6
C8	14.45	06-10-22-26-38-42-54-58-70-74-86-90	Meet C4, C6, C7
T	0.00	Table	Meet C7, C8