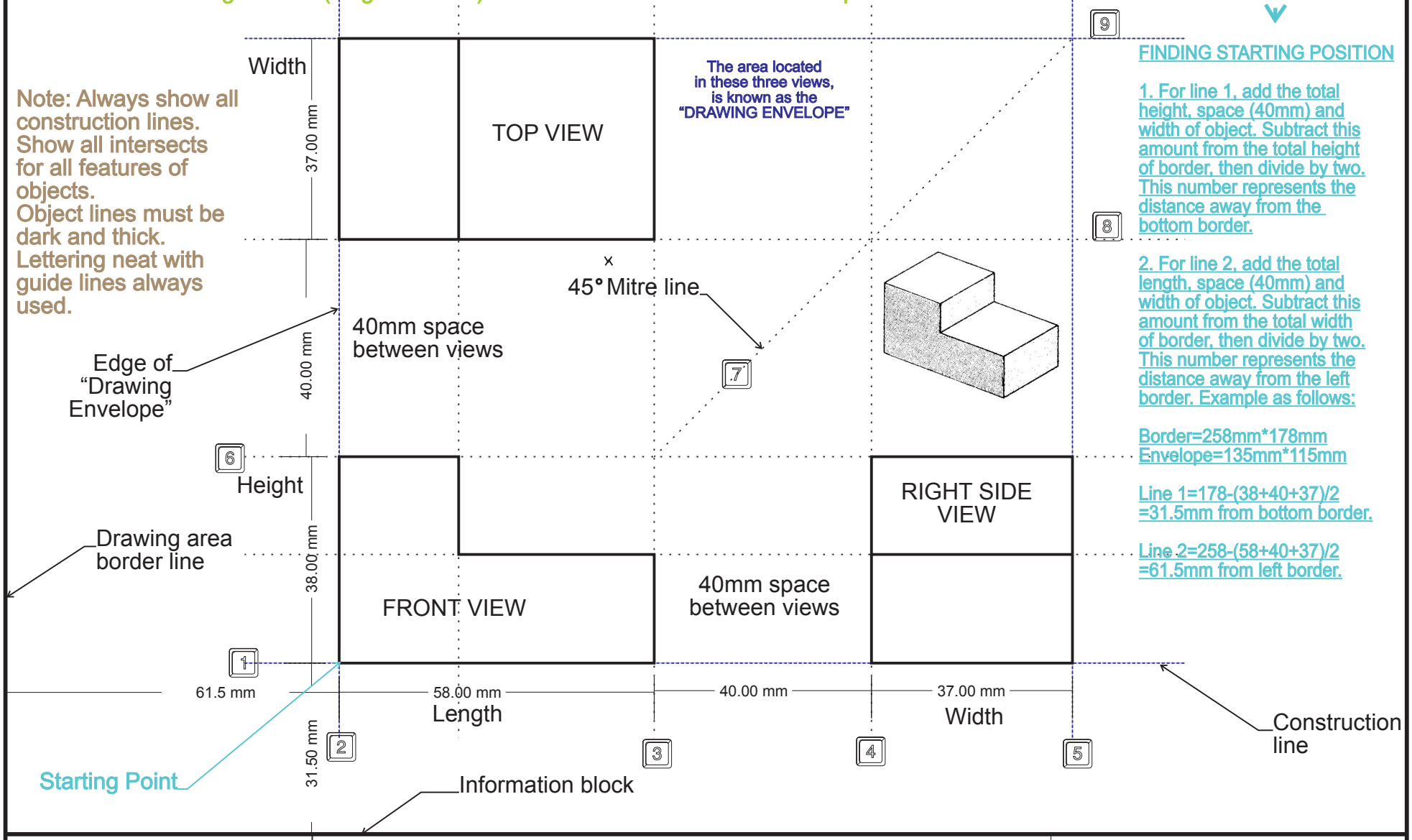
INSTRUCTIONS: It takes nine main construction lines to position the FRONT, TOP and RIGHT SIDE VIEWS

1. Find the starting position.
2. Draw the lines in numerical order. Note line #8 and 9 must be taken from the mitre line (7) intersecting points.
3. Draw all the remaining detail lines to complete the view outlines. To reduce smudging, finish the object lines starting vertical lines from right to left (if right handed) and the horizontal lines from the top to the bottom.

Note: Always show all construction lines. Show all intersects for all features of objects. Object lines must be dark and thick. Lettering neat with guide lines always used.



FINDING STARTING POSITION

1. For line 1, add the total height, space (40mm) and width of object. Subtract this amount from the total height of border, then divide by two. This number represents the distance away from the bottom border.

2. For line 2, add the total length, space (40mm) and width of object. Subtract this amount from the total width of border, then divide by two. This number represents the distance away from the left border. Example as follows:

Border=258mm*178mm
Envelope=135mm*115mm

Line 1=178-(38+40+37)/2
=31.5mm from bottom border.

Line 2=258-(58+40+37)/2
=61.5mm from left border.

T.D.S.B. Western Tech. Technical Design	Title: ORTHOGRAPHIC DRAWINGS	Drawn By: MR. FRANZEN	
		Form: 007	DWG. 001
	Material: Wood / scale: 1: 1	Date: JAN, 00	