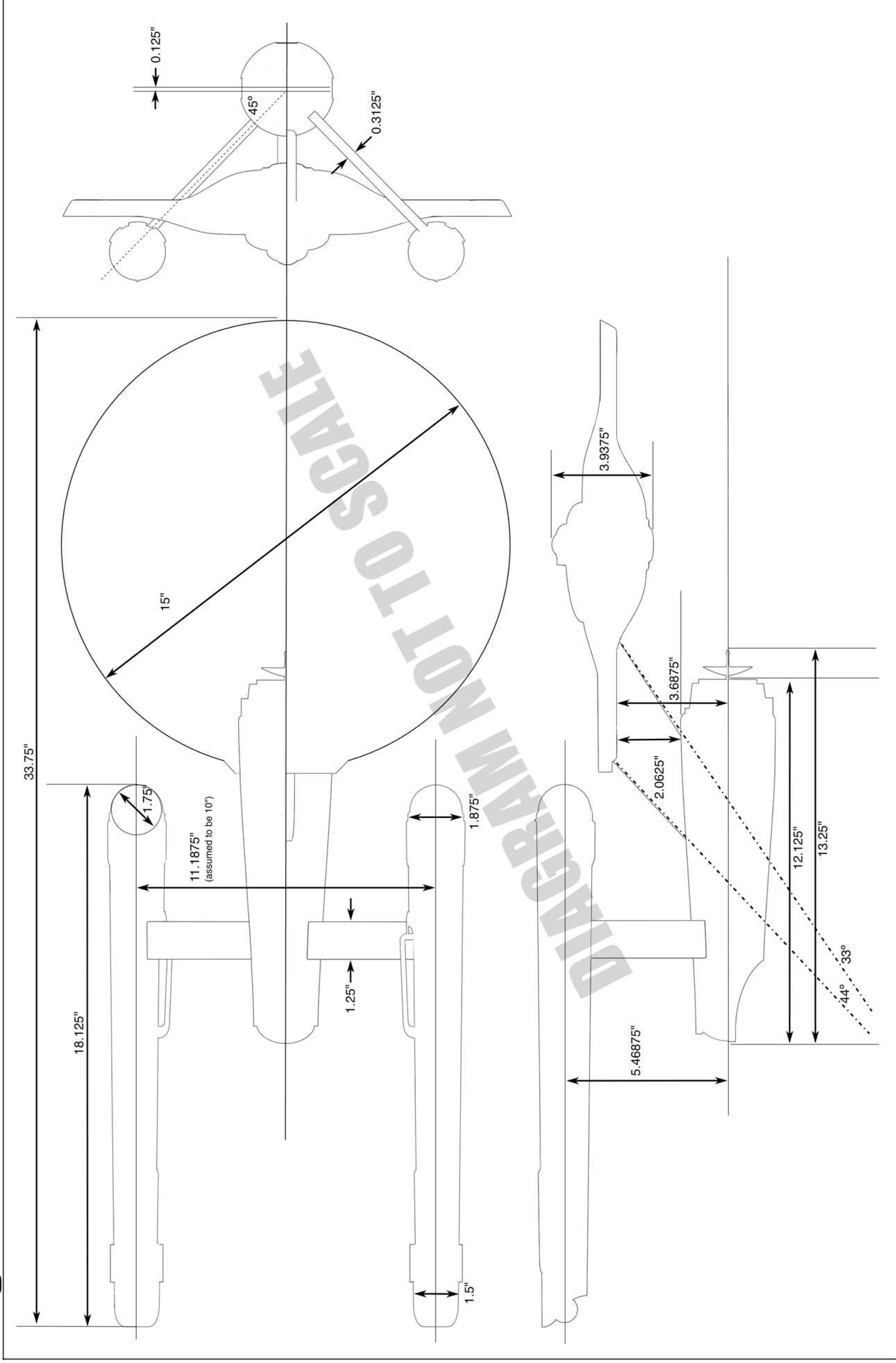


Original Construction Plans Measurements



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Dimensions of Major Elements

	Original Construction Plans	Writers Guide Measurements (scaled based on 417 feet)	11 foot model (best references based on current model)	33 inch model (data from image studies and construction plans)
Overall Length	33.75"	947' (34.06")	134" (134.08161" Kerr)	33.67"
Overall Width	15"	417' (15")	approx. 60"	15"
Overall height			32" (Sinclair)	
Primary Hull Diameter	15"	417' (15")	approx. 60" (59.25 Sinclair)	15"
Primary Hull Thickness	3.9375"			
Primary Hull Edge Thickness			approx. 3"	
Bridge Diameter	1.67"			
Secondary Hull Length (without Dish)	12.125"	340' (12.23")	49"	12.125"
Secondary Hull Length (with Dish)	13.25"		53.5"	
Diameter of Secondary Hull Dish	2.5625" (pilot version)			
Diameter of Secondary Hull	3.25"		13.4" (Sinclair)	
Secondary Hull Center Line below Primary Hull bottom edge	3.6875"			
Secondary Hull top below Primary Hull bottom edge	2.0625"			
Nacelle Length (without Spike)	18.125"	504' (18.13")	72.25"	18.125"
Nacelle Diameter (front)	1.875"		7.625" (Sinclair)	1.875"
Nacelle Diameter (rear)	1.5"		6" (Sinclair)	1.5"
Nacelle Dome Diameter	1.75"		approx. 7" (7.16" Sinclair)	
Rear Nacelle Dome Diameter	n/a			0.875"
Distance between Nacelle Center Lines	11.1875"	304' (10.94")	40" (38.5" Sinclair)	10"
Height of Nacelle Center Line above Secondary Hull Center Line	5.46875"			
Nacelle Support Width	1.25"		5.0" (Sinclair)	1.25'
Nacelle Support Thinkness	0.3125"		1.31" (Sinclair)	0.3125"
Angle of Nacelle Supports above horizon	45 degrees		47 degrees	46 degrees
Intersection of Nacelle Supports Center Lines above Secondary Hull center line	0.125"		- 1" (Sinclair)	0.0625"

The above table provides four major sets of measurements of the Starship Enterprise, measurements from the construction plans, writers guide dimensions, best measurements of the 11 foot model, best measurements of the 33 inch model.

The scaling of the writers guide dimensions is based on 417 feet equaling 15". This is used rather than the overall length because the individual components can be assembled in ways that would drastically effect the length of the ship. The width of the primary hull, the length of the secondary hull and the length of the nacelles are all ridged elements. The overall length and distance between the center lines of the nacelles are examples of dimensions that can be effected by component placement.

And in fact the nacelle center line distance is by far the single worst reference to work from. Matt Jefferies favored a wide placement of the nacelles (11.1875" and 10.94") compared to how the models were built (10" and approximately 40"). And even though the nacelles were built with a narrow placement, Jefferies continued to draw the Enterprise with his original wide placement (most likely for esthetics).



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