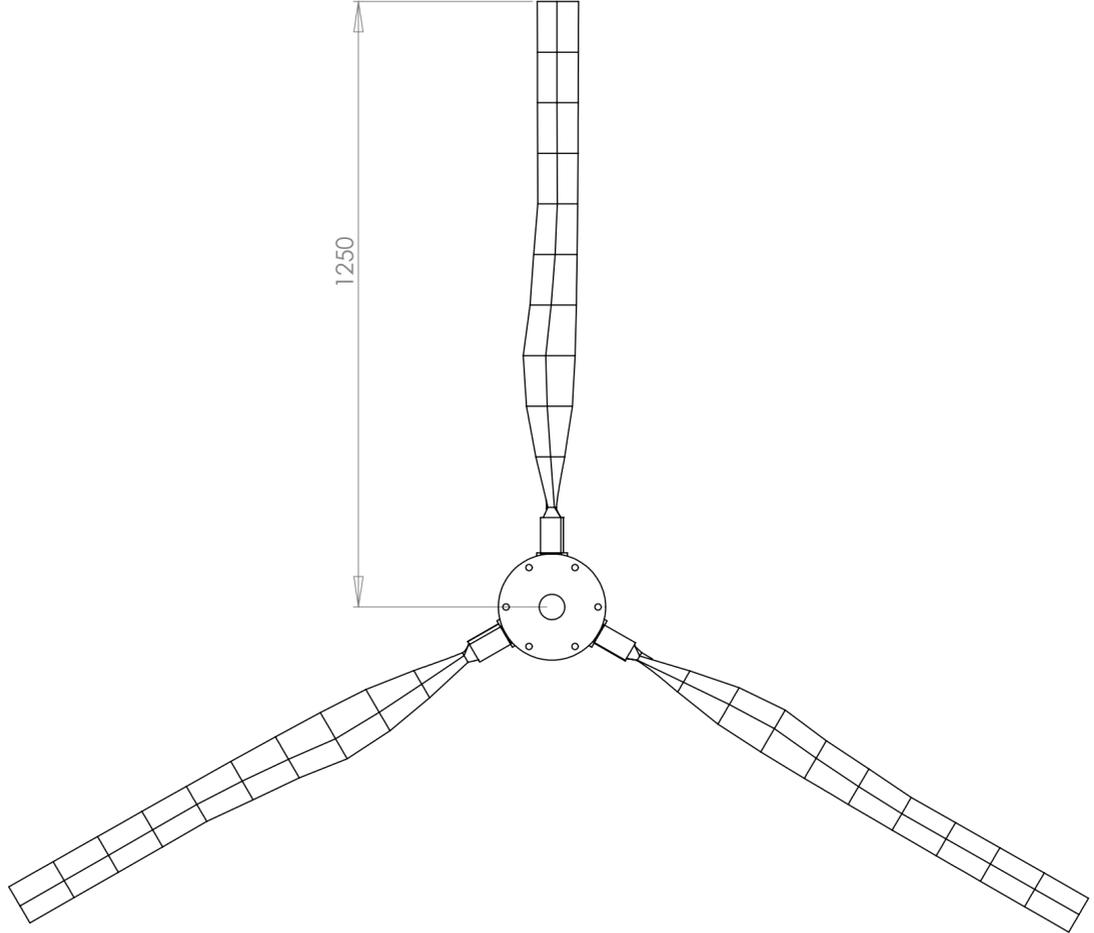
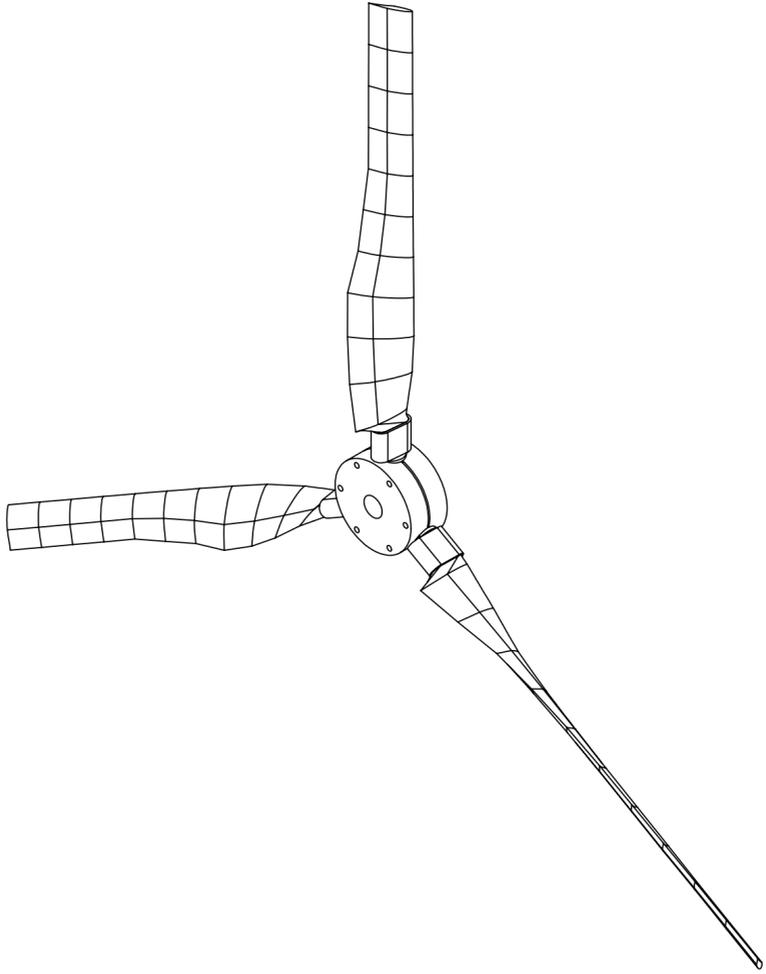


THE ROTOR ASSEMBLY CONSISTS OF THE BLADES, BLADE ROOT HOLDERS, FRONT AND BACK HUB COMPONENTS, NOSE CONE AND THE ADJUSTMENT PINS WHICH ARE USED WHEN ADJUSTING THE BLADE PITCH ANGLE.
 THE ADJUSTMENT PINS ARE A SPRING LOADED CHAMBER AND PIN ASSEMBLY THAT IS PRESSED INTO THE REAR HUB ASSEMBLY. THE PINS LOCATE A SERIES OF HOLES IN THE CYLINDRICAL SURFACE OF THE BLADE ROOT HOLDER WHICH ARE INCREMENTALLY SEPARATED BY 10°.



ROTOR - END VIEW



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UNIVERSITY OF SOUTHERN QUEENSLAN		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		DRAWN	J.KIRSCH	6/10/09	KH3- 500 WIND TURBINE	
		TOLERANCES: FRACTIONAL ± ANGULAR: MATCH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		CHECKED			TITLE: ROTOR ASSEMBLY	
		INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		ENG APPR.			SIZE DWG. NO. REV	
NEXT ASSY		FINISH		MFG APPR.			C 5	
APPLICATION		DO NOT SCALE DRAWING		Q.A.			SCALE: 1:10 SHEET 1 OF 1	
				COMMENTS:				