



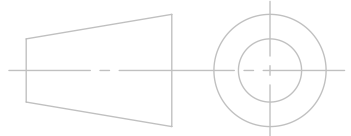
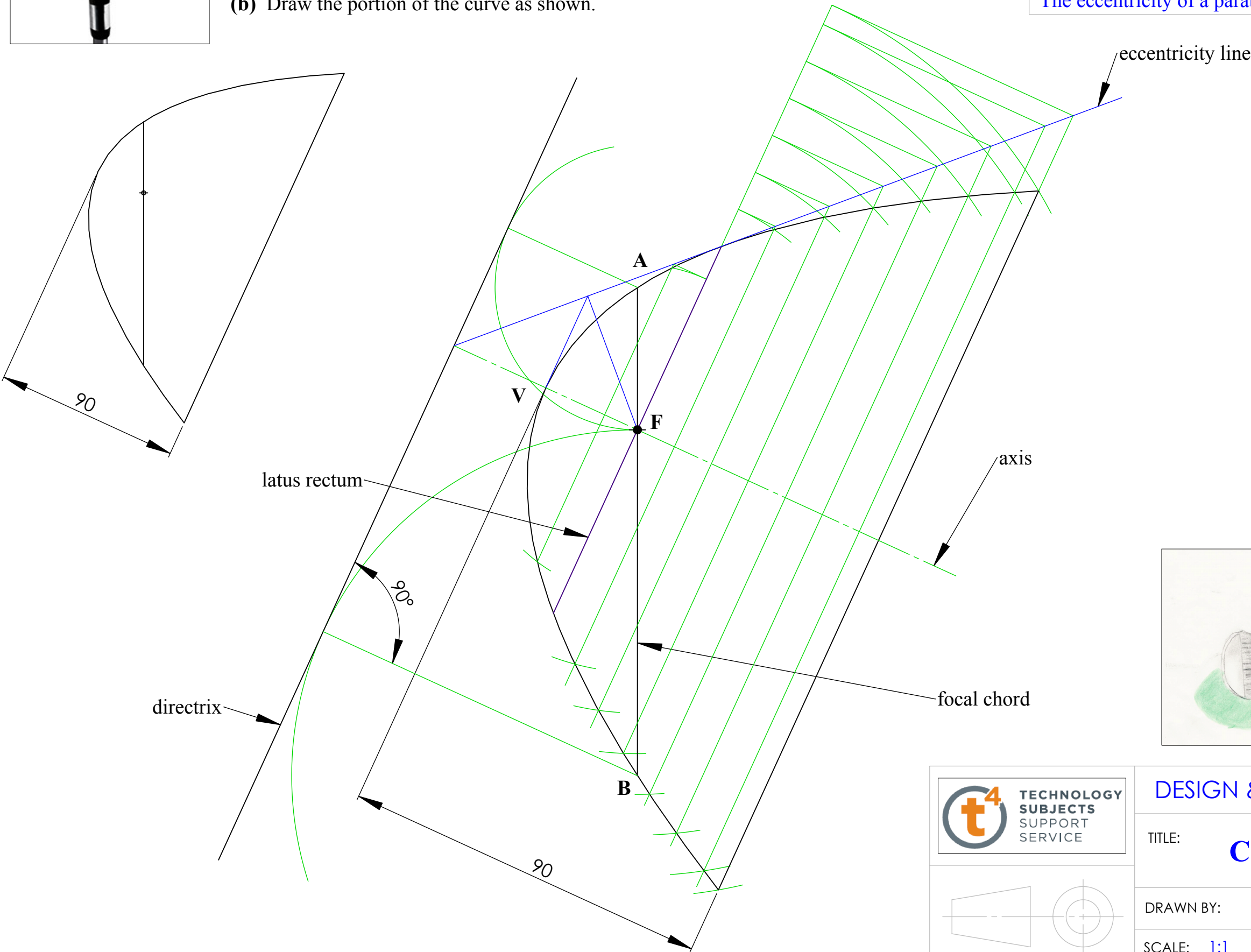
A photograph of a **Cleveland Launcher driver** is shown. The underside of the club is in the shape of a **parabola**. A drawing of this parabola is also shown.

In the drawing below, F is the **focus** of the parabola and the line AFB represents a **focal chord** of the curve.

- (a) Determine the position of the **directrix** and the **axis** of the parabola.
- (b) Draw the portion of the curve as shown.

Key Principles:

- A and B are the same distance from F as they are from the
- The axis is drawn to the directrix.
- The vertex lies midway between the focus and the
- The eccentricity of a parabola is always



DESIGN & COMMUNICATION GRAPHICS

TITLE: **CONIC SECTIONS 8**

DRAWN BY:	SIZE A3	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm
SCALE: 1:1	DATE: 26/01/2009	SHEET 1 OF 1