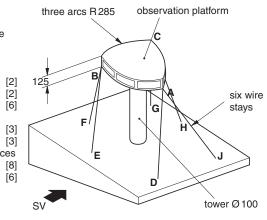
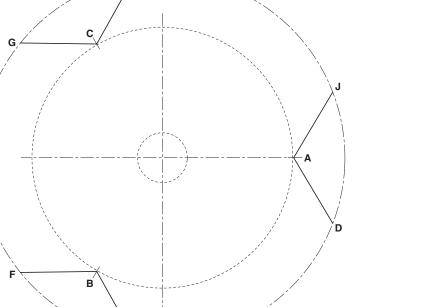


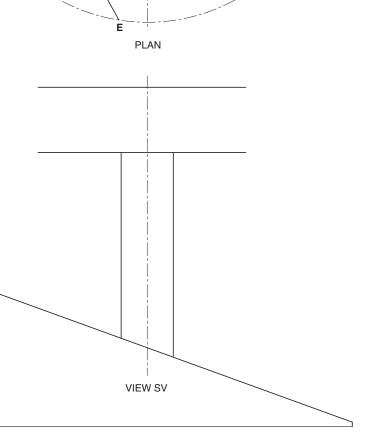
An architect's model of an observation platform supported on a cylindrical tower is shown in the sketch to the right. The building is to be situated on the sloping side of a hill, supported by six wire

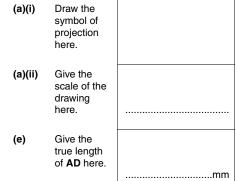
An incomplete plan and an incomplete side view of the model are given below.

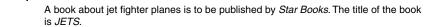
- (a) In the boxes provided:
- (i) draw the symbol for the angle of projection used for the orthographic drawings;
- (ii) give the scale used for the orthographic drawings;
- (b) Complete the plan of the model by constructing the three R285 mm arcs AB, BC and CA.
- (c) Complete the view SV of the building by:
 - (i) finishing the outline of the observation platform;
- (ii) drawing the wire stays.
- (d) The model is to be made from thin card. Construct the true shape of **one** of the curved surfaces of the observation platform.
- (e) Determine the true length of the wire stay AD and print your answer in the box provided.











An incomplete drawing of the front cover of the book is given below.

- Complete the drawing by:

 (a) drawing the letters **T** and **S** in the given squares. The letters must be similar in
- design to the given letters **J** and **E**; [8]

 (b) making a **simplified** illustration of a jet fighter in any suitable position on the front cover. A drawing of a jet fighter is given to help you. Marks will be given for design sketches for the illustration;
- (c) drawing a regular five-pointed star inscribed in the circle given in the bottom right hand corner of the cover;
- (d) adding colour and shading to your drawing. You need not colour all the cover, but it must be clear what it will look like when it is finished.

DRAW DESIGN SKETCHES FOR AIRCRAFT HERE

