

STAPLE HERE

FOR OFFICIAL USE

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**1330/402**

NATIONAL QUALIFICATIONS 2011  
 TUESDAY, 17 MAY  
 10.35 AM – 12.05 PM  
**GRAPHIC COMMUNICATION**  
**STANDARD GRADE**  
 General Level

Fill in these boxes and read what is printed below.

Full name of centre				Town			
<input type="text"/>				<input type="text"/>			
Forename(s)				Surname			
<input type="text"/>				<input type="text"/>			
Date of birth		Scottish candidate number				Number of seat	
Day	Month	Year					
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1 95 marks are allocated to this paper: 35 marks for Knowledge and Interpretation  
 60 marks for Drawing Abilities

- 2 Answer all questions.
- 3 Read each question carefully before you answer.
- 4 Written answers may be in **ink** or **pencil**.
- 5 Drawings and sketches **must be in pencil**.
- 6 Sketches need only be in line form—do not spend time rendering.
- 7 Dimensions are given in millimetres or as stated.
- 8 Orthographic drawings are in third angle projection.
- 9 For each question, the element being tested and the mark allocation are shown in brackets, eg (DA 5) means a question on Drawing Abilities worth 5 marks.
- 10 **At the end of the examination**

check that your name is on every sheet;  
 put the sheets in correct numerical order;  
 place this sheet on top of the others;  
 join all sheets together by **stapling** at the top left-hand corner;  
 before leaving the examination room, you must give these sheets to the Invigilator (if you do not you may lose all the marks for this paper).

	KI	DA
1		
2		
3		
4		
5		
6		
7		
8		
9		
Total Marks		

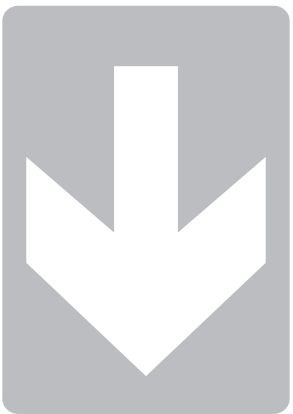


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Study the signs shown below and insert the missing information. The first one is done for you.

Sign type

**Safe condition**



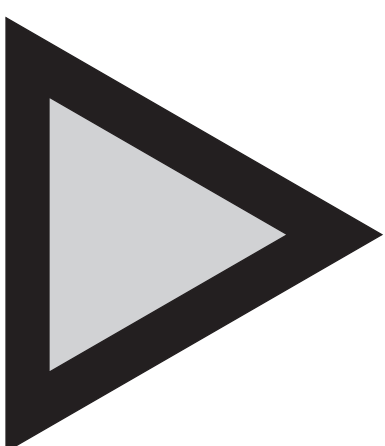
Border colour

**None**

Background colour

**Green**

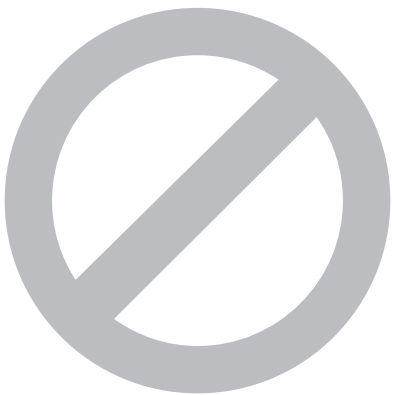
Sign type



Border colour

Background colour

Sign type



Border colour

Background colour

Sign type



Background colour

**Total (KI 8)**

Colours can be used for many different reasons and in many different situations.

(a) State an appropriate colour to use in the following situations.

(i) To represent health and vitality.

Colour .....

(ii) To represent that something is hot.

Colour .....

(iii) To represent that something is environmentally friendly.

Colour .....

(iv) To contrast with yellow.

Colour .....

(v) To harmonise with red.

Colour .....

**KI 5**

(b) State the effect created by using a receding colour for the background of a presentation drawing.

Effect .....

**KI 1**

(c) State what must be added to a primary colour in order to obtain a tertiary colour.

Answer .....

**KI 1**

(d) State **two** tertiary colours that contain red.

Colour ..... Colour.....

**KI 2**

**Total (KI 9)**



**Colour Matters for the Home**

Designers use many different types of drawings when working on new designs. Study the drawings shown and answer the following questions.

(a) (i) State the **individual** names given to each of the views shown at **1, 2, 3** and **4**.

**View 1** .....

**View 2** .....

(ii) State the **general** name that would be given to **Views 1, 2, 3** and **4**.

Name .....

(b) State the **Angle X** on **View 1**.

**Angle X** .....

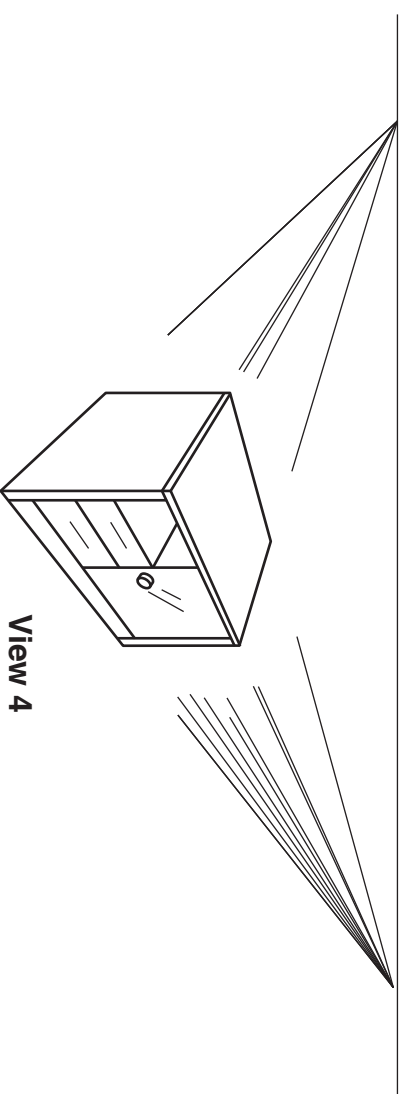
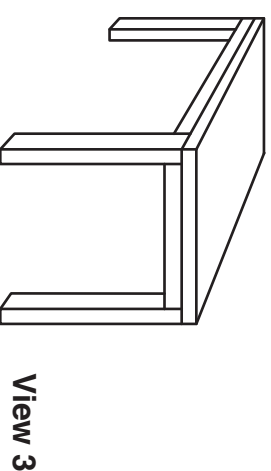
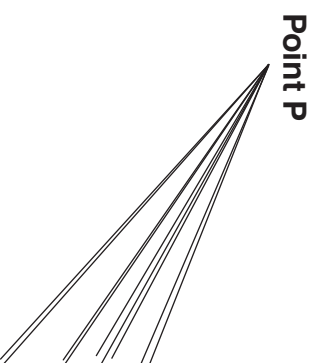
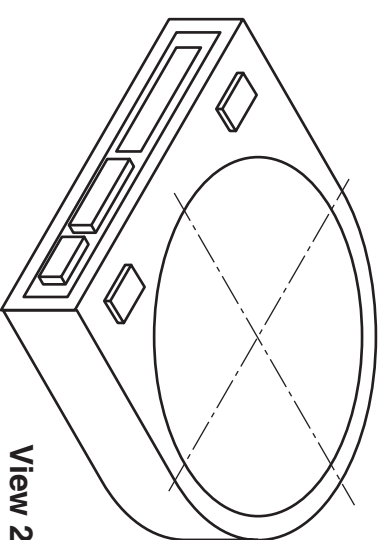
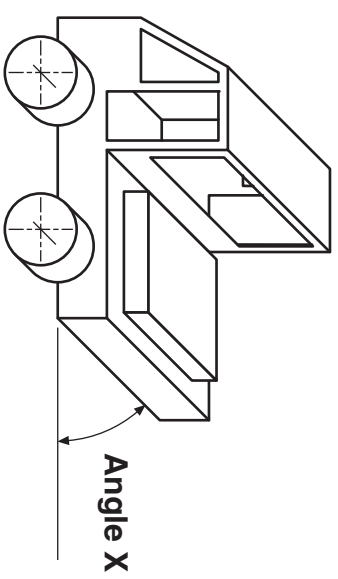
(c) State the name given to the **Point P** on **View 3**.

**Point P** .....

(d) State the name given to the **Line H** on **View 4**.

**Line H** .....

**Total (KI 8)**



Architects use BSi symbols to represent features on their drawings.

(a) State what each of the architectural symbols shown at **A**, **B**, **C**, **D**, **E**, **F** and **G** represents.

**A** .....

**B** .....

**C** .....

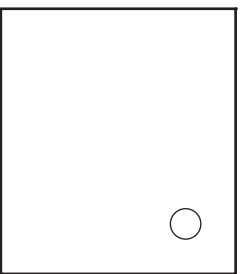
**D** .....

**E** .....

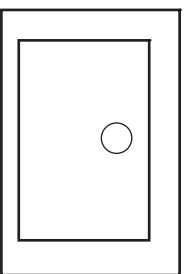
**F** .....

**G** .....

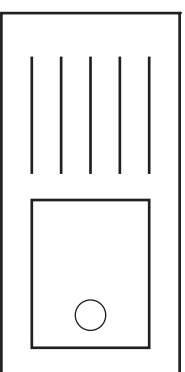
KI 7



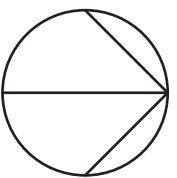
**A**



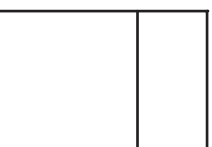
**B**



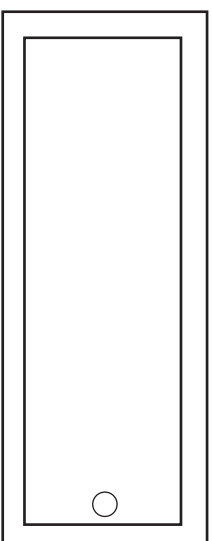
**C**



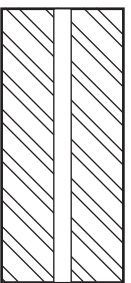
**D**



**E**



**F**



**G**

(b) Plans are used by architects to show different features and details.

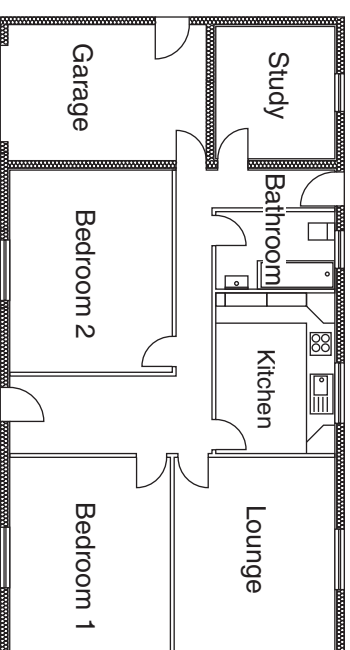
State the name of the plan types shown at **H**, **I** and **J**.

**H** .....

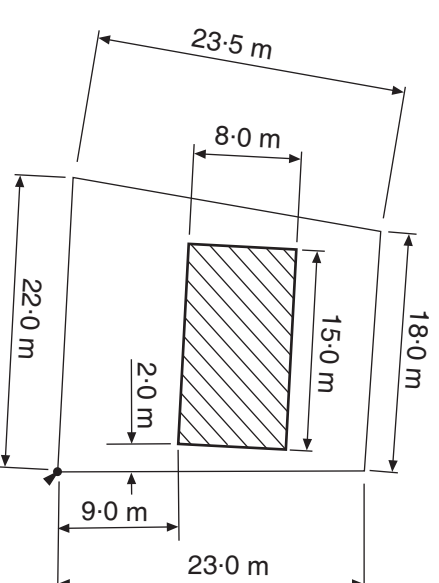
**I** .....

**J** .....

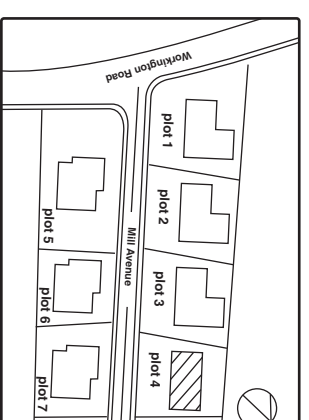
KI 3



**H**



**I**



**J**

Total (KI 10)

The elevation of a bike seat clamp is given.

A dimensioned pictorial view is also shown.

Using the given sizes, **draw**:

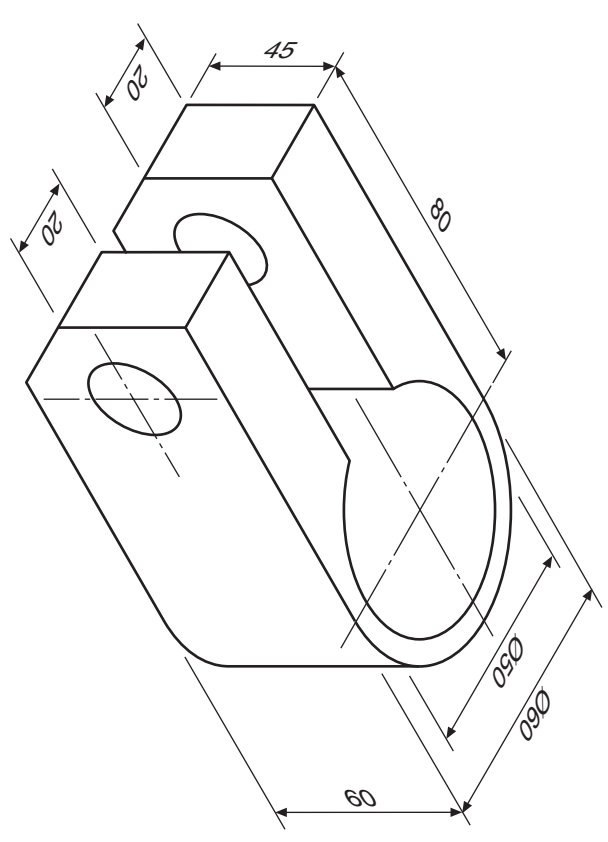
- (a) the plan projected from the elevation;
- (b) the end elevation.

Show all hidden detail.

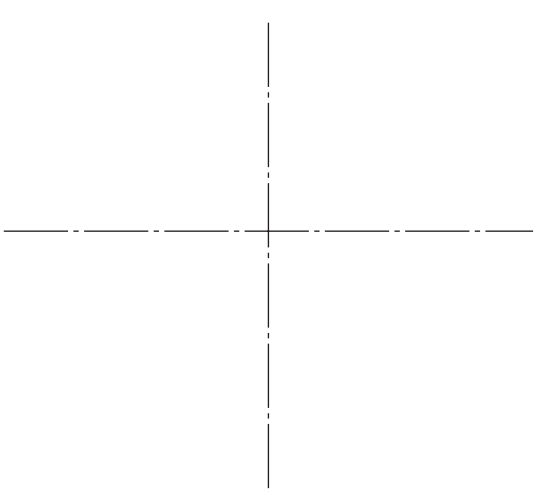
DA 7

DA 7

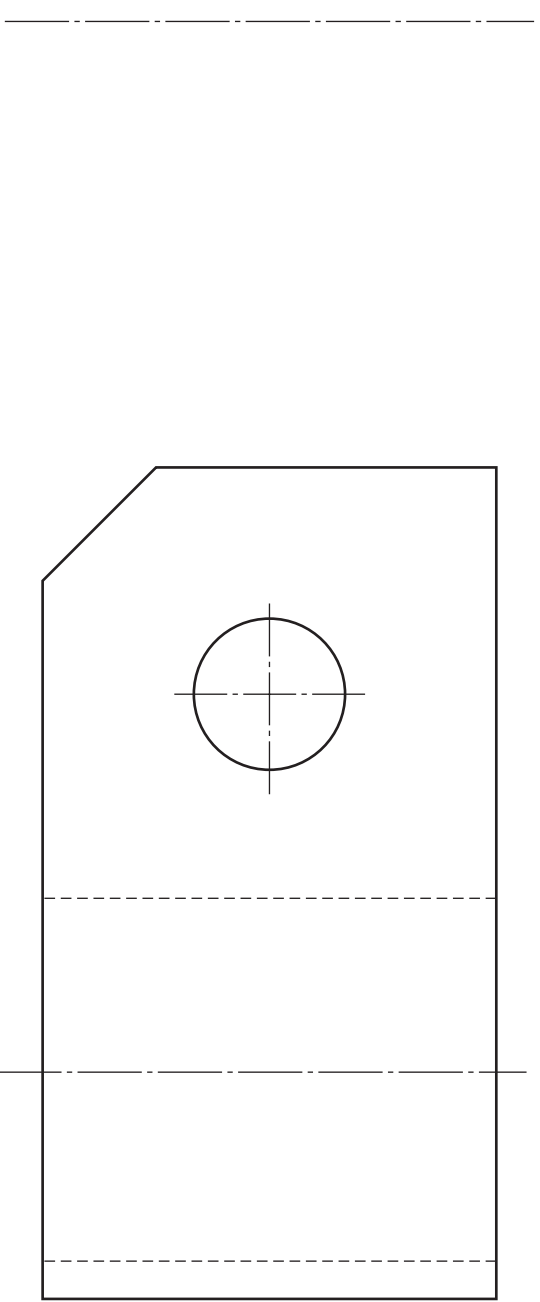
Total (DA 14)



PICTORIAL VIEW

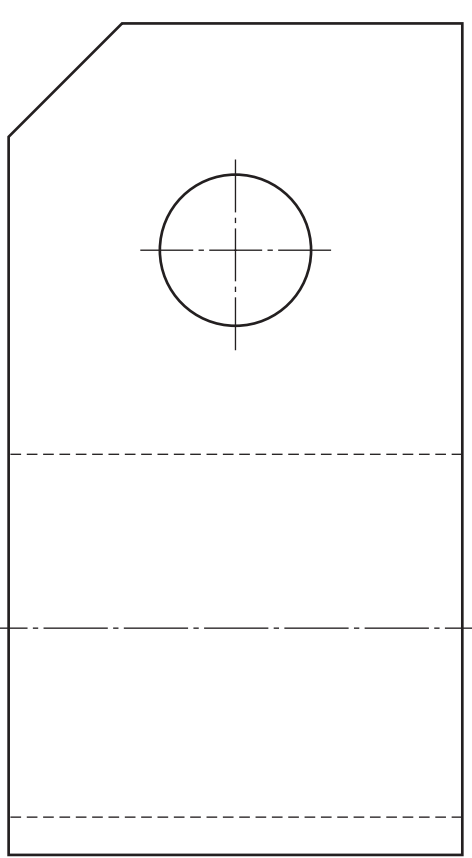


PLAN

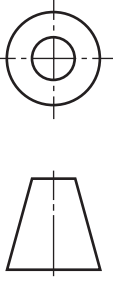


END ELEVATION

ELEVATION



a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

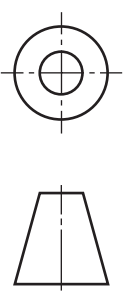
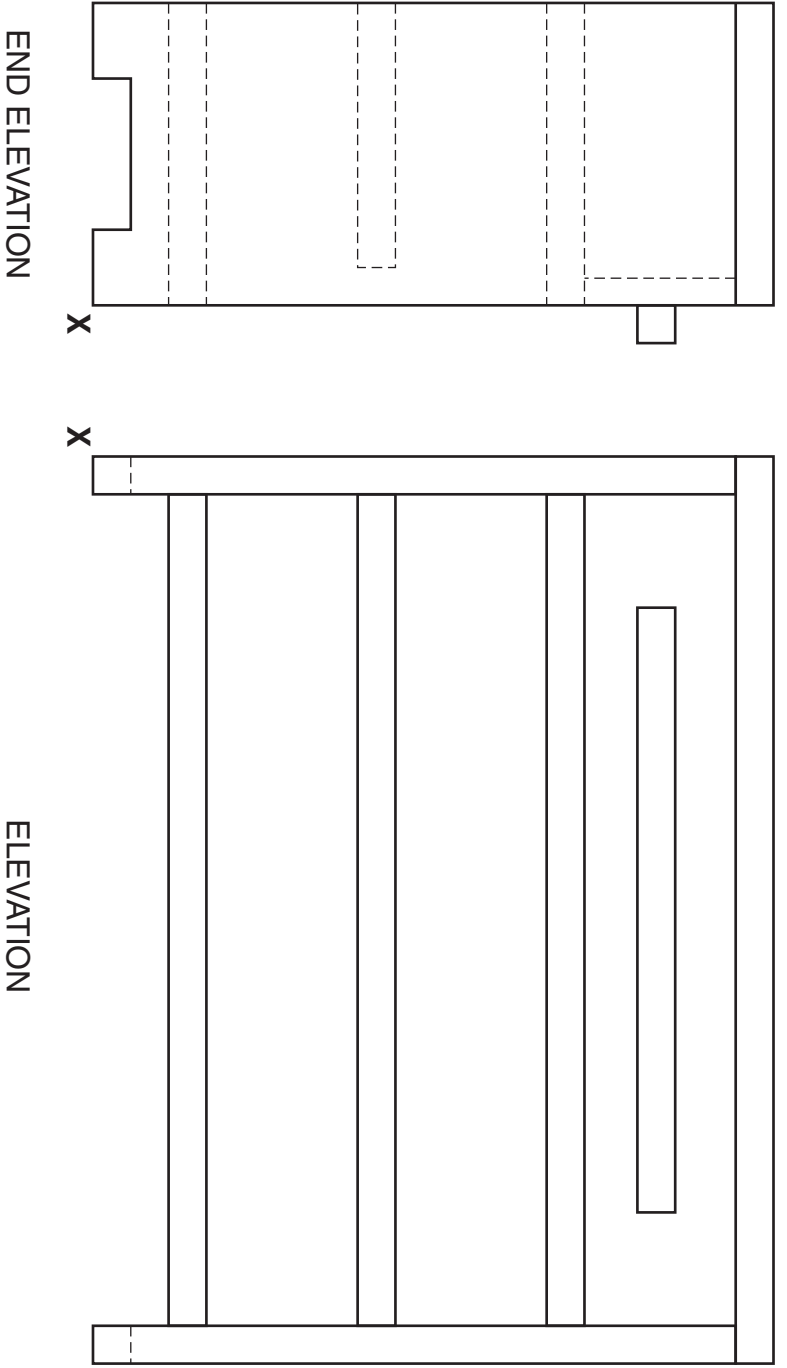


The elevation and end elevation of a cabinet are given.

Draw an **isometric view** of the cabinet, using corner **X** as a start.

Do not show hidden detail.

Total (DA 12)



[1330/402]

<i>a</i>	
<i>b</i>	
<i>c</i>	
<i>d</i>	
<i>e</i>	
<i>f</i>	
<i>g</i>	
<i>h</i>	
<i>i</i>	
<i>j</i>	
<i>k</i>	
<i>l</i>	
<i>m</i>	
<i>n</i>	



The elevation and plan of a workshop emergency stop are given.

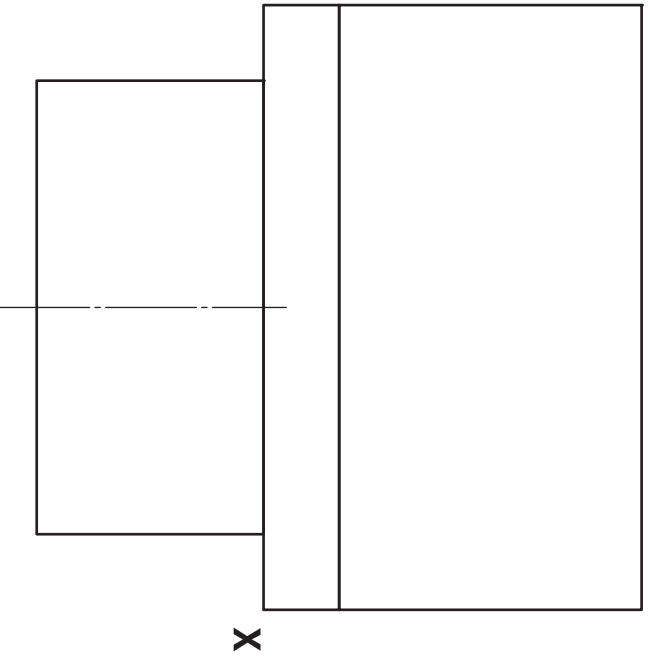
Draw an oblique view of the emergency stop using the given start X.

Do not show hidden detail.

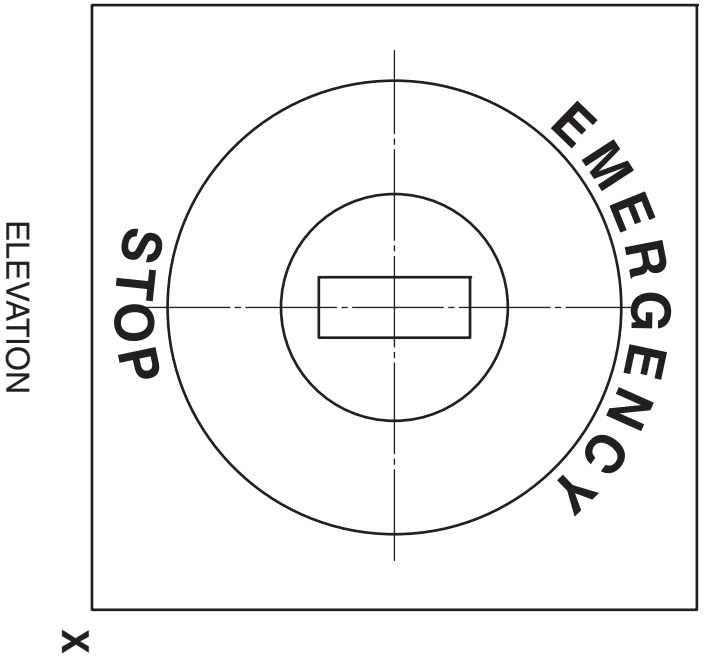
Do not show the text "Emergency Stop".

All sizes at 45 ° should be halved.

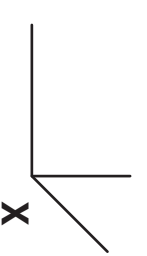
Total (DA 11)



PLAN

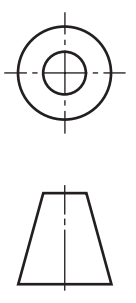


ELEVATION



OBLIQUE VIEW

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	



The elevation and plan of a perfume box with lid are given. Two pictorial views are also shown.

Draw:

(a) the end elevation;

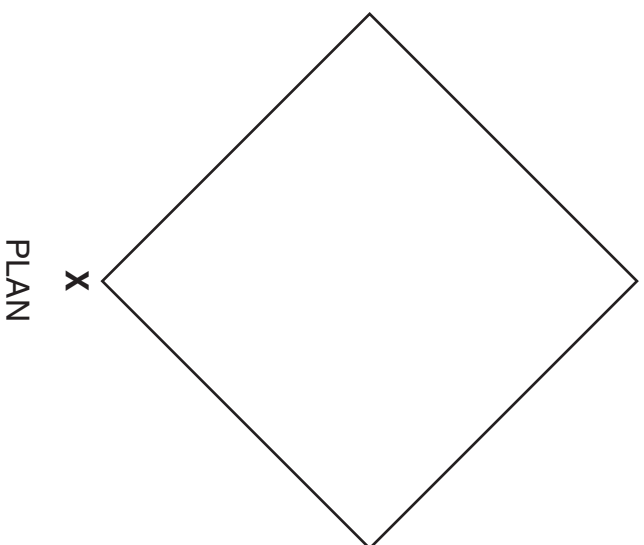
DA 8

(b) the true shape of the lid top.

DA 3

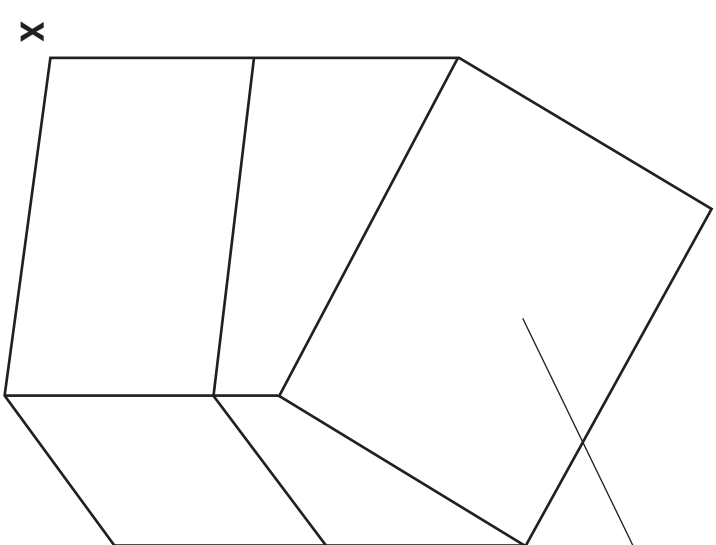
Show all hidden detail.

Total (DA 11)



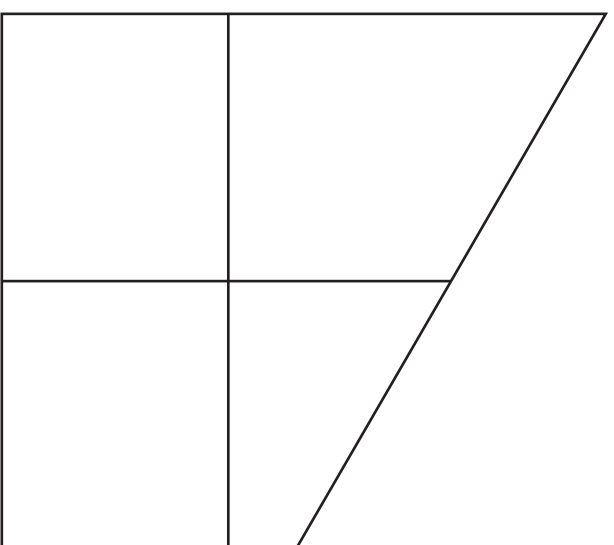
PLAN

TRUE SHAPE

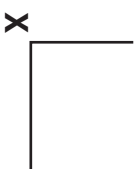


LID TOP

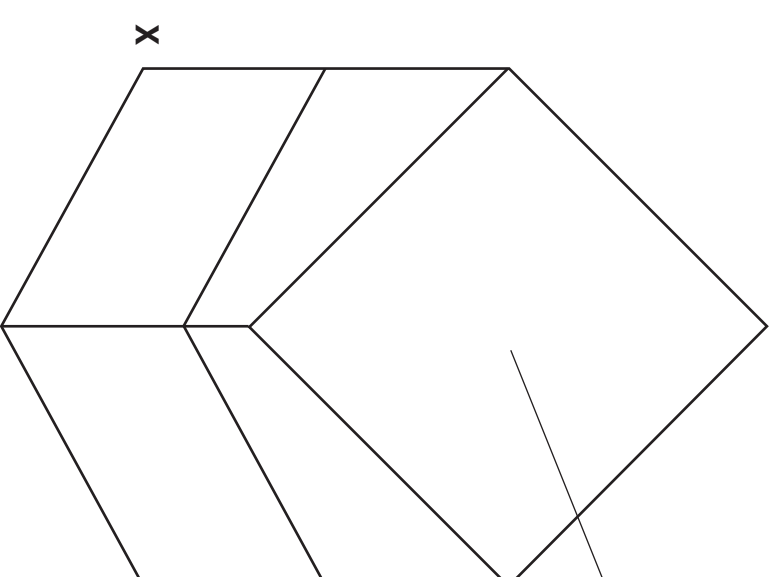
PICTORIAL VIEWS



ELEVATION

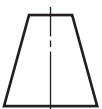
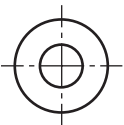


END ELEVATION



LID TOP

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	



The elevation of a bird box is given. A pictorial view is also shown.

**Draw:**

- (a) the plan;
- (b) the surface development of the sides of the bird box, showing front and rear openings, using the given start **X**.

**Do not show hidden detail.**

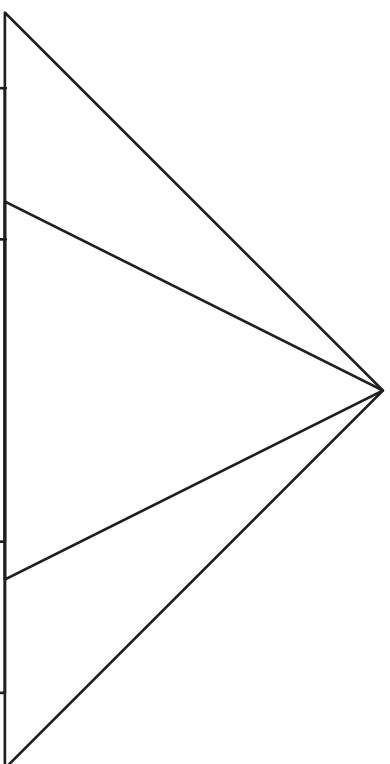
**DA 4**

**DA 8**

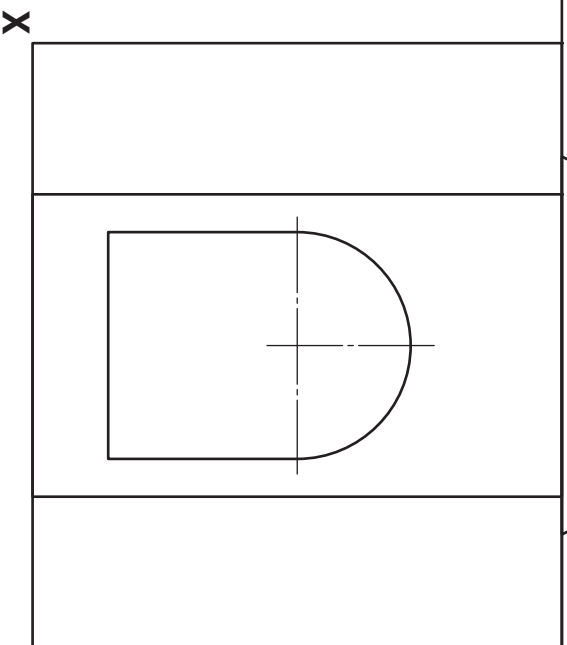
**Total (DA 12)**

+

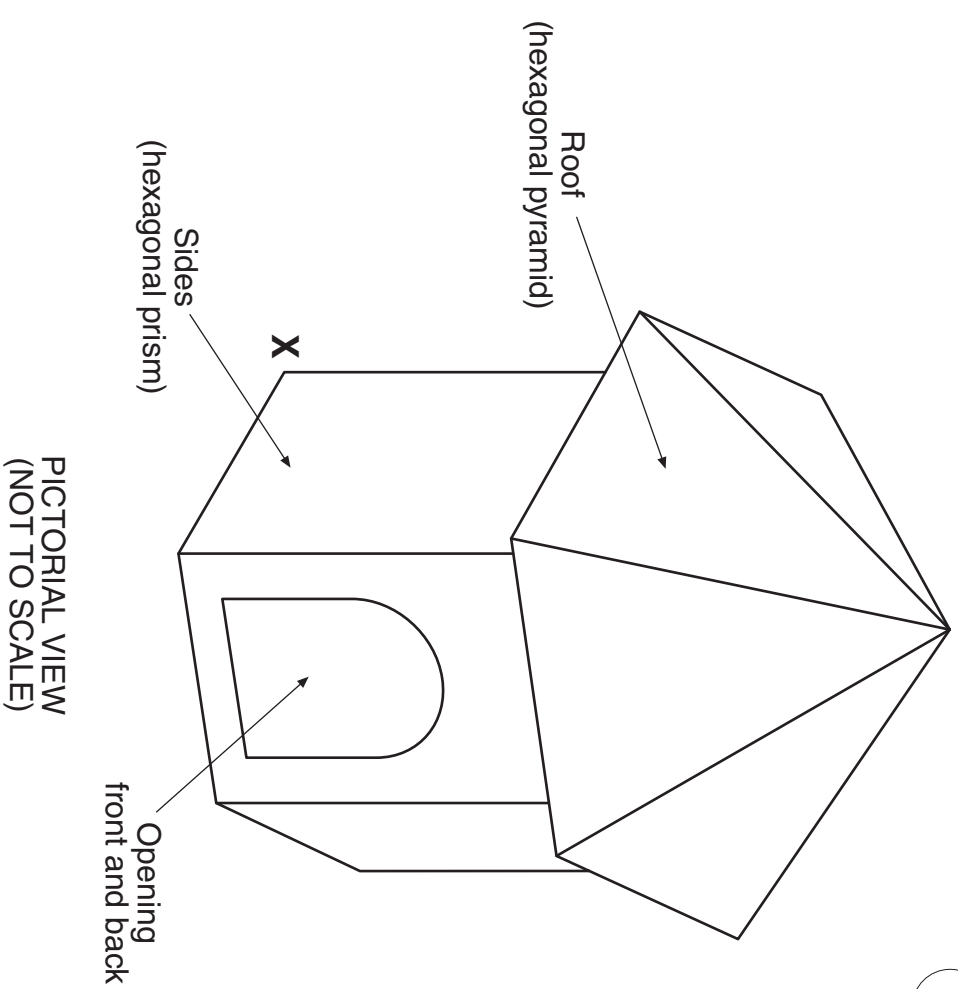
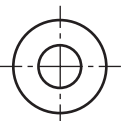
PLAN



ELEVATION



X



PICTORIAL VIEW  
(NOT TO SCALE)

DEVELOPMENT OF SIDES

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

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