

ORTHOGRAPHIC PROTECTION

OCT 12
SECT 03

19
20

SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS

TITLE TEXT SIZE 6MM

USUALLY THREE, TO SHOW ALL FEATURES OF OBJECT

NORMAL TEXT SIZE 8MM

TOP VIEW

ISOMETRIC VIEW

CENTRE LINES CROSSING

DIAMETER
SYMBOL

PAGE HEADER

PAGE SHEET

ISOMERIC

BASE LINE

DIMENSION
LINE

ARROW

EXTENSION
LINE:
THIN AND
MEDIUM
WEIGHT

THINNER

FEATURE/DETAIL LINE
HIDDEN LINE
CENTRE LINE SINGLE

OBJECT LINES:
THICK / DARK

DIMENSIONS
LINE SPACING

SPACE
10mm
18mm

PAGE BORDER
SPACING

CONSTRUCTION
LINES:
THIN / LIGHT

FRONT VIEW

OVERALL DIMENSIONS

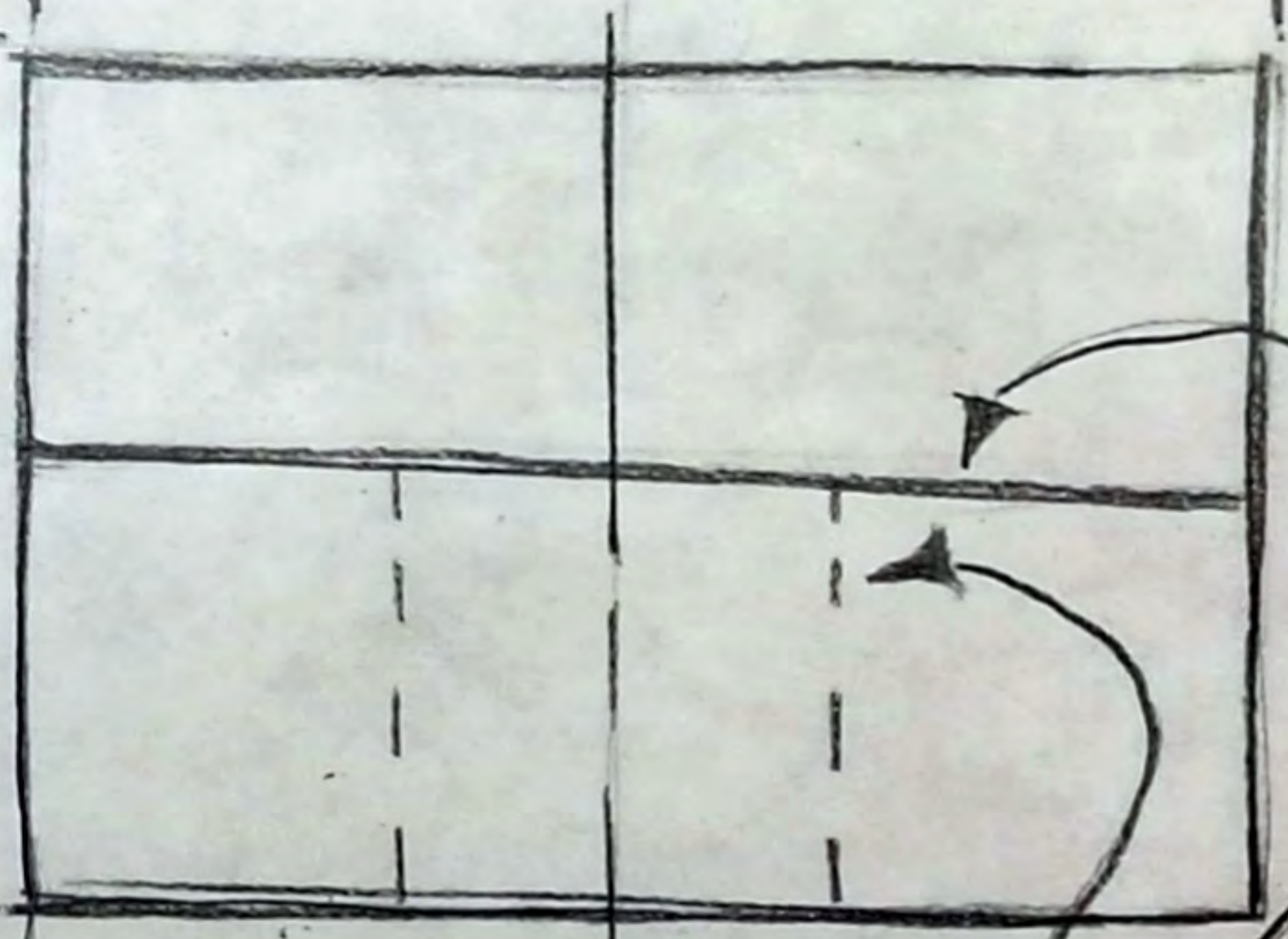
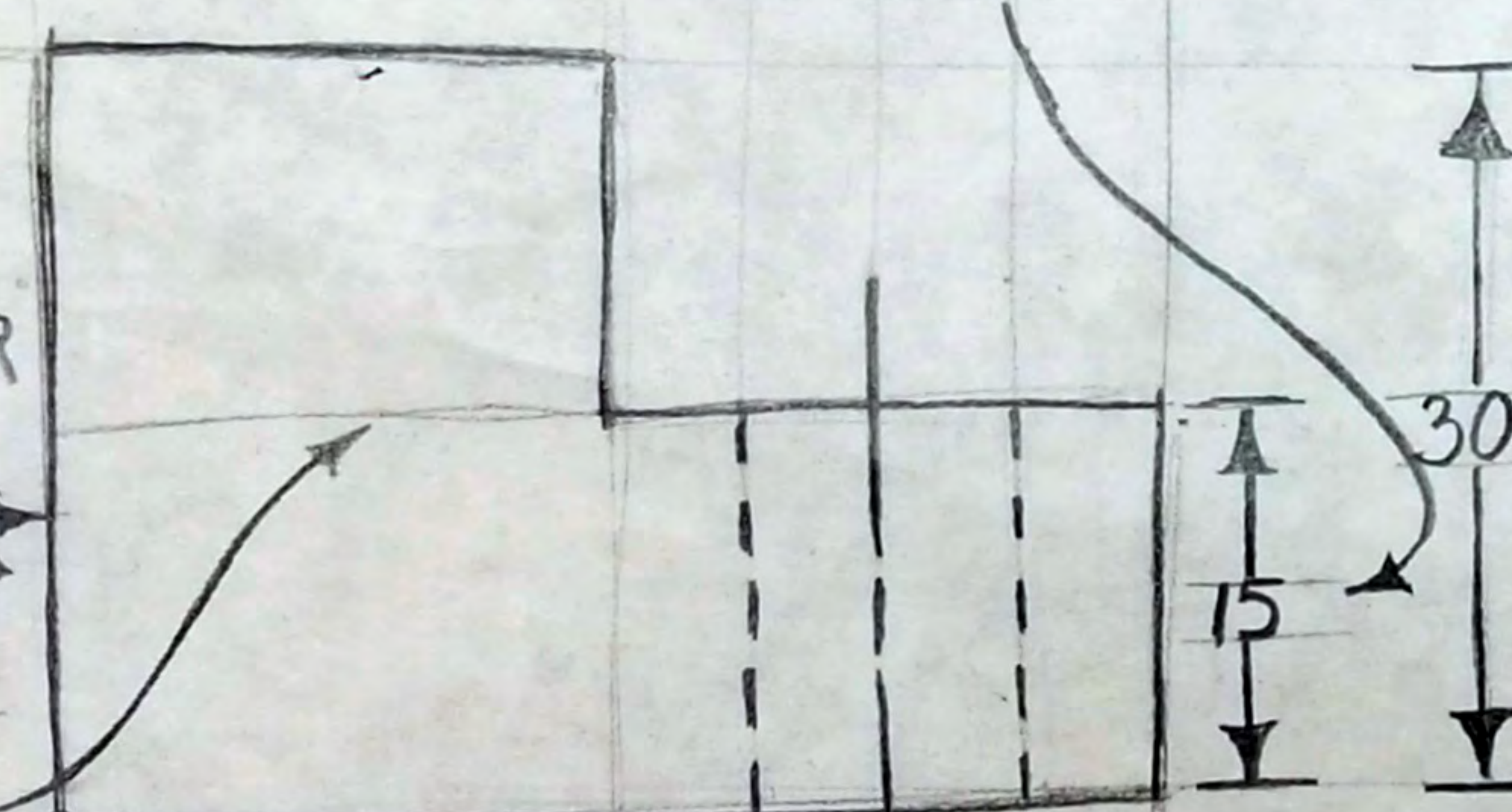
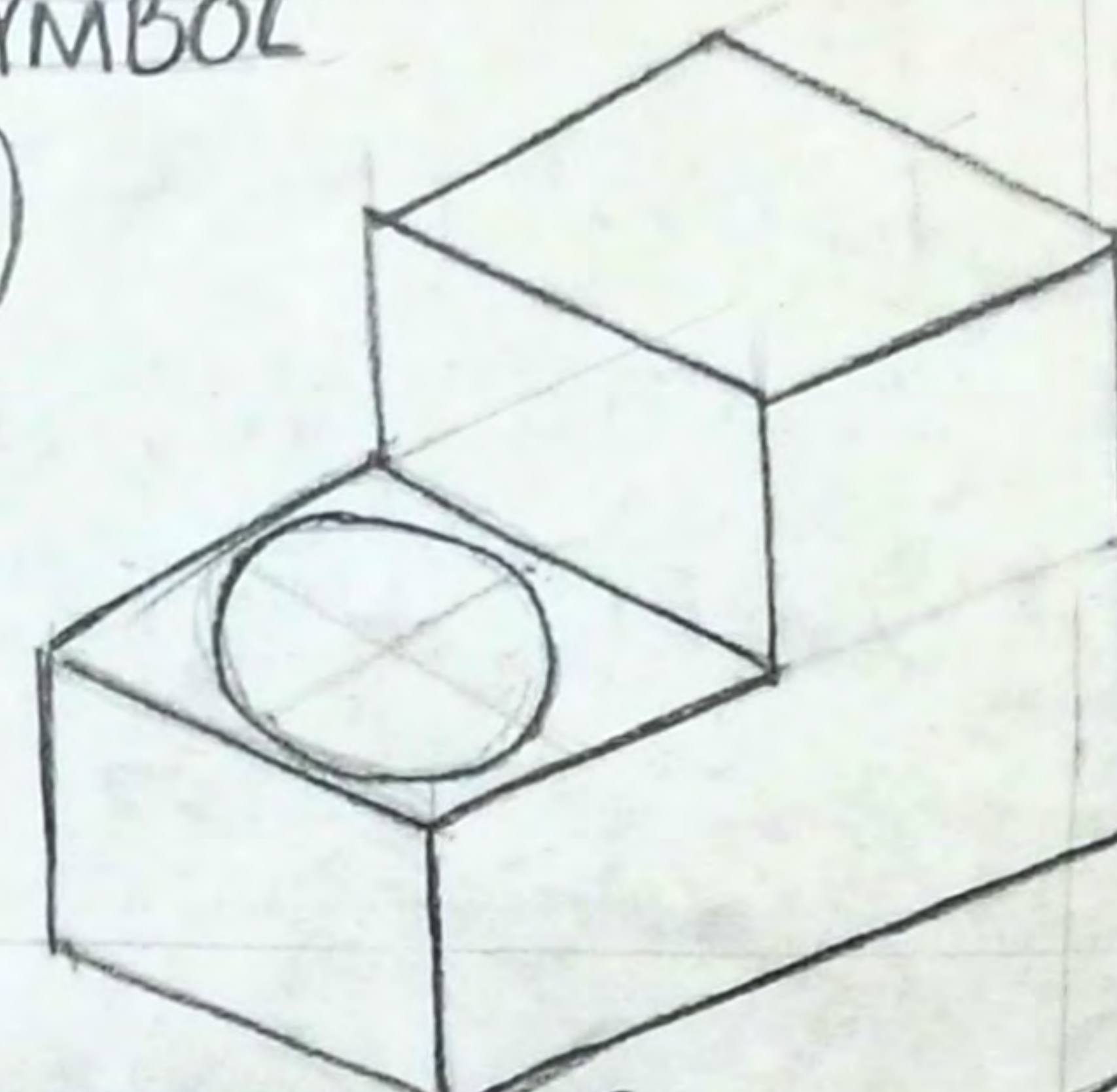
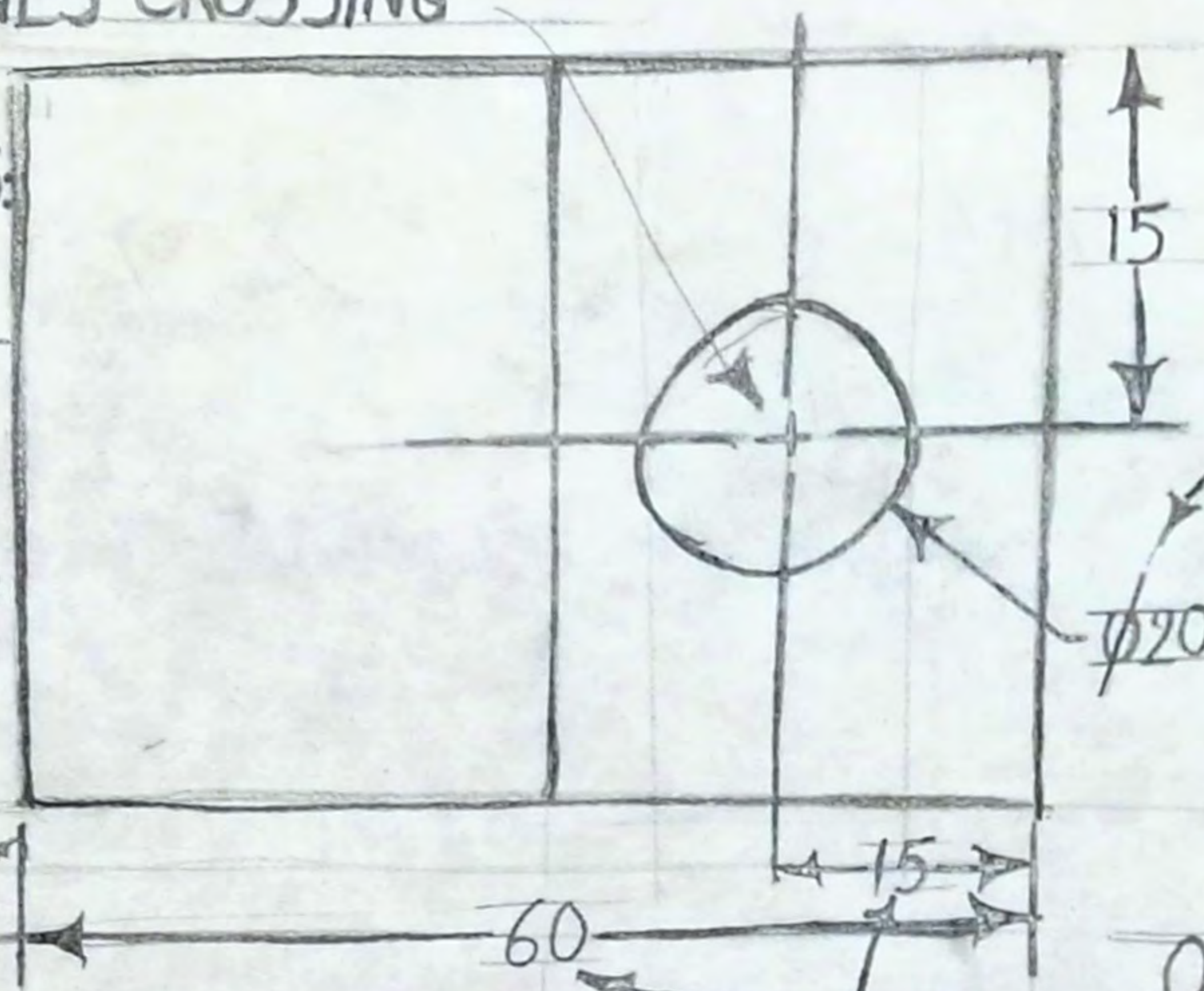
DETAILS DIMENSIONS

RIGHT SIDE
VIEW

SPACE

SPACING BETWEEN OBJECT
VIEWS IS KEPT THE SAME

STARTING POINT



ORTHOGRAPHIC PROJECTION

SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS,
USUALLY THREE, TO SHOW ALL FEATURES OF OBJECTS

TITLE TEXT SIZE 6MM
NORMAL TEXT 3mm
~~3MM~~ *TOO SMALL!*

OCT.
Sec. 7.

18
20

PAGE HEADER

PAGE SHEET

CENTER LINES CROSSING

TOP VIEW

ISOMETRIC VIEW

OBJECT LINES
THICK/DARK

DIAMETER
SYMBOL

DIMENSION
LINE SPACING

SPACE

OVERALL DIMENSIONS

DETAIL DIMENSIONS

ISOMETRIC

BASE LINE

DIMENSION
LINE

ARROW

EXTENSION
LINE:
THIN AND
MEDIUM
WEIGHT

FEATURE/DETAIL LINE

HIDDEN LINE

CENTER LINE SINGLE

PAGE BOARDER
SPACING

CONSTRUCTION
LINES:
THIN/LIGHT

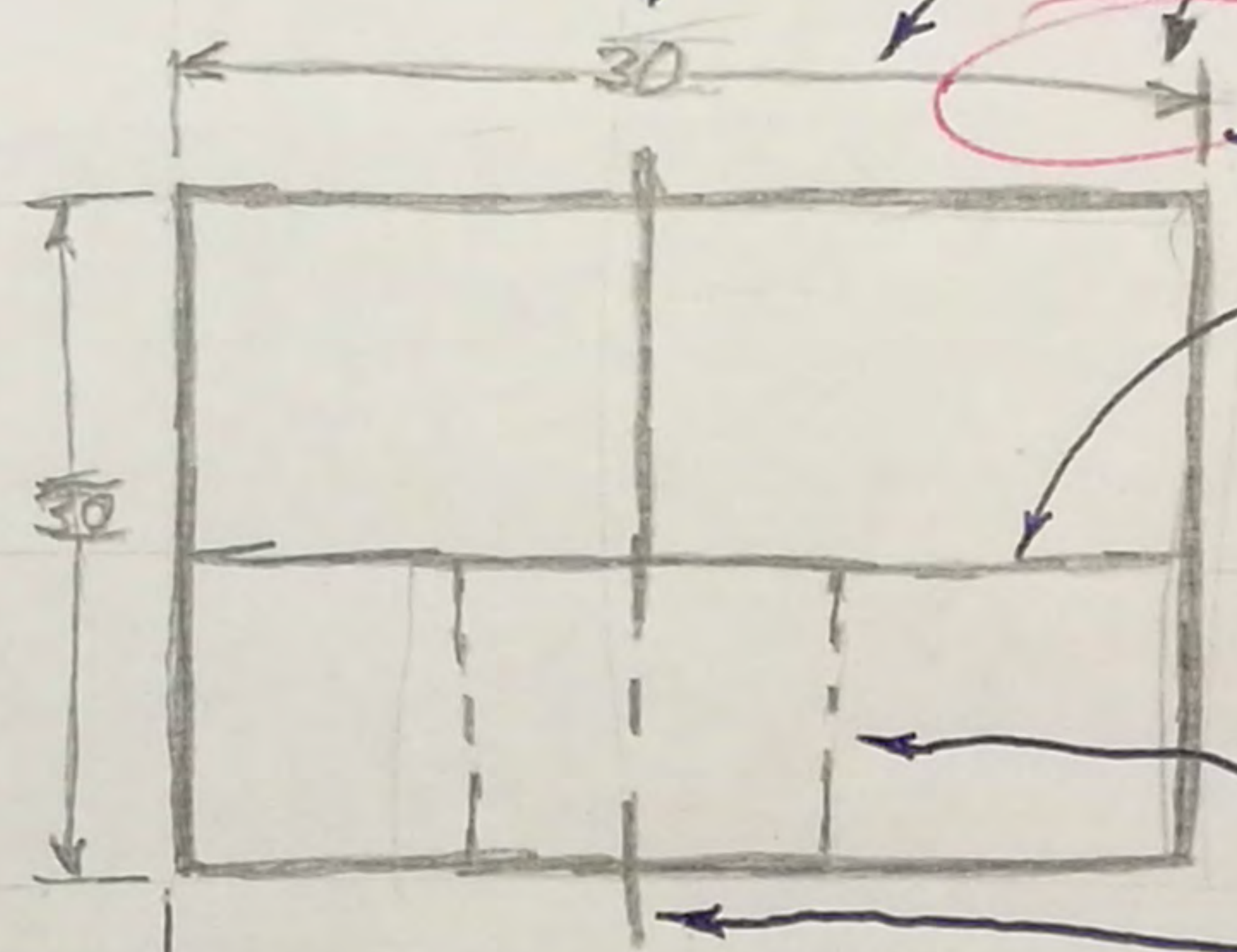
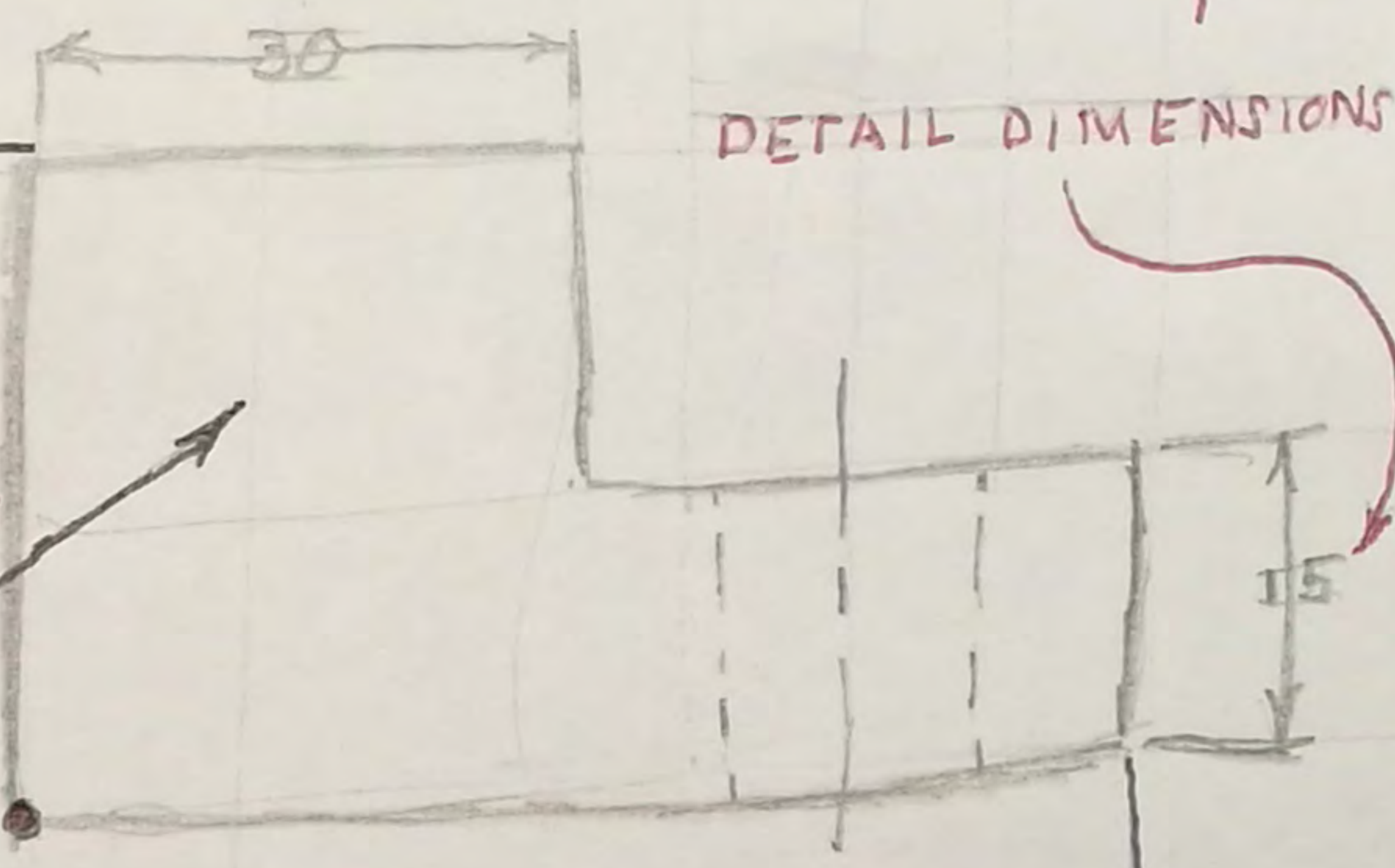
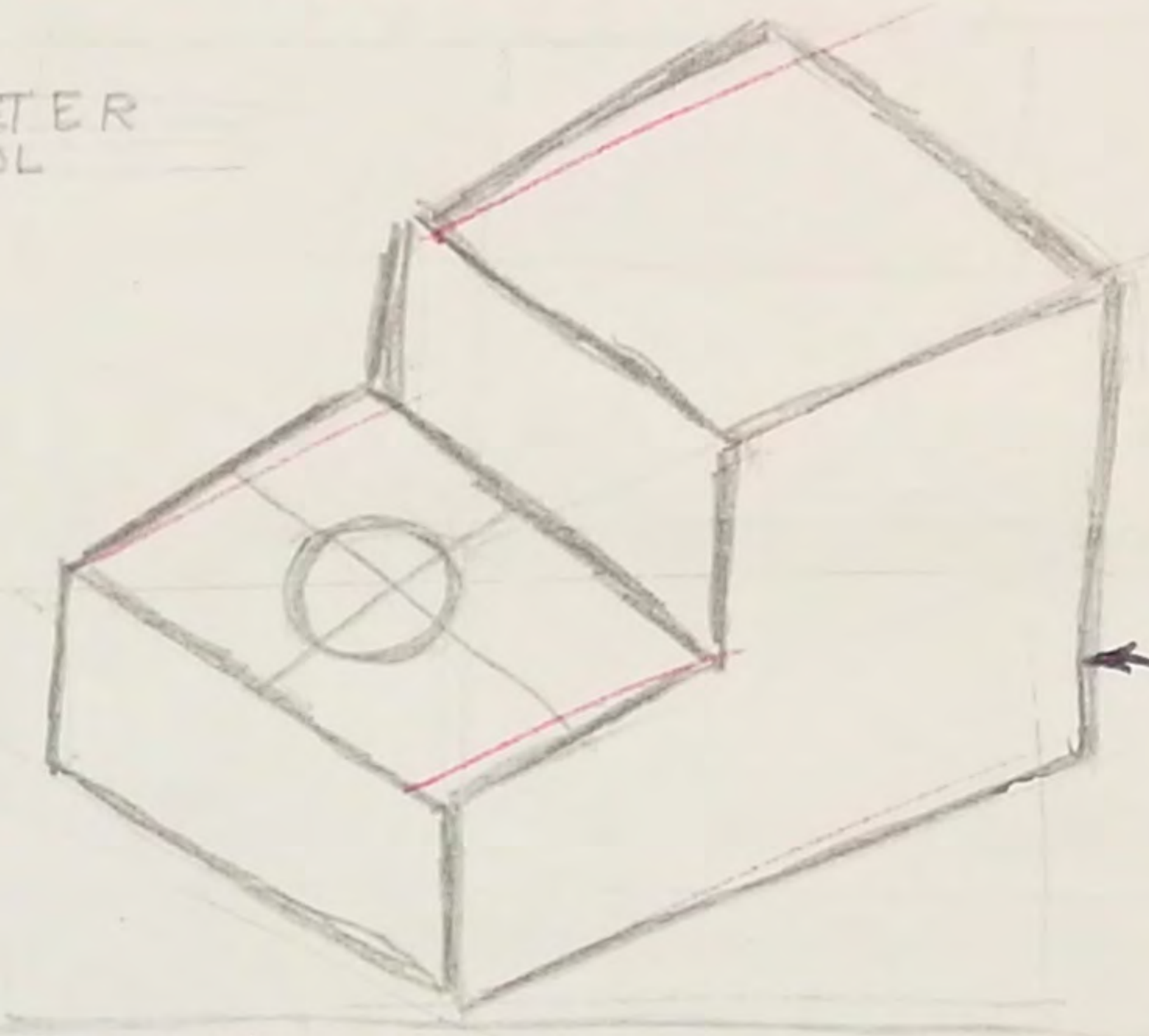
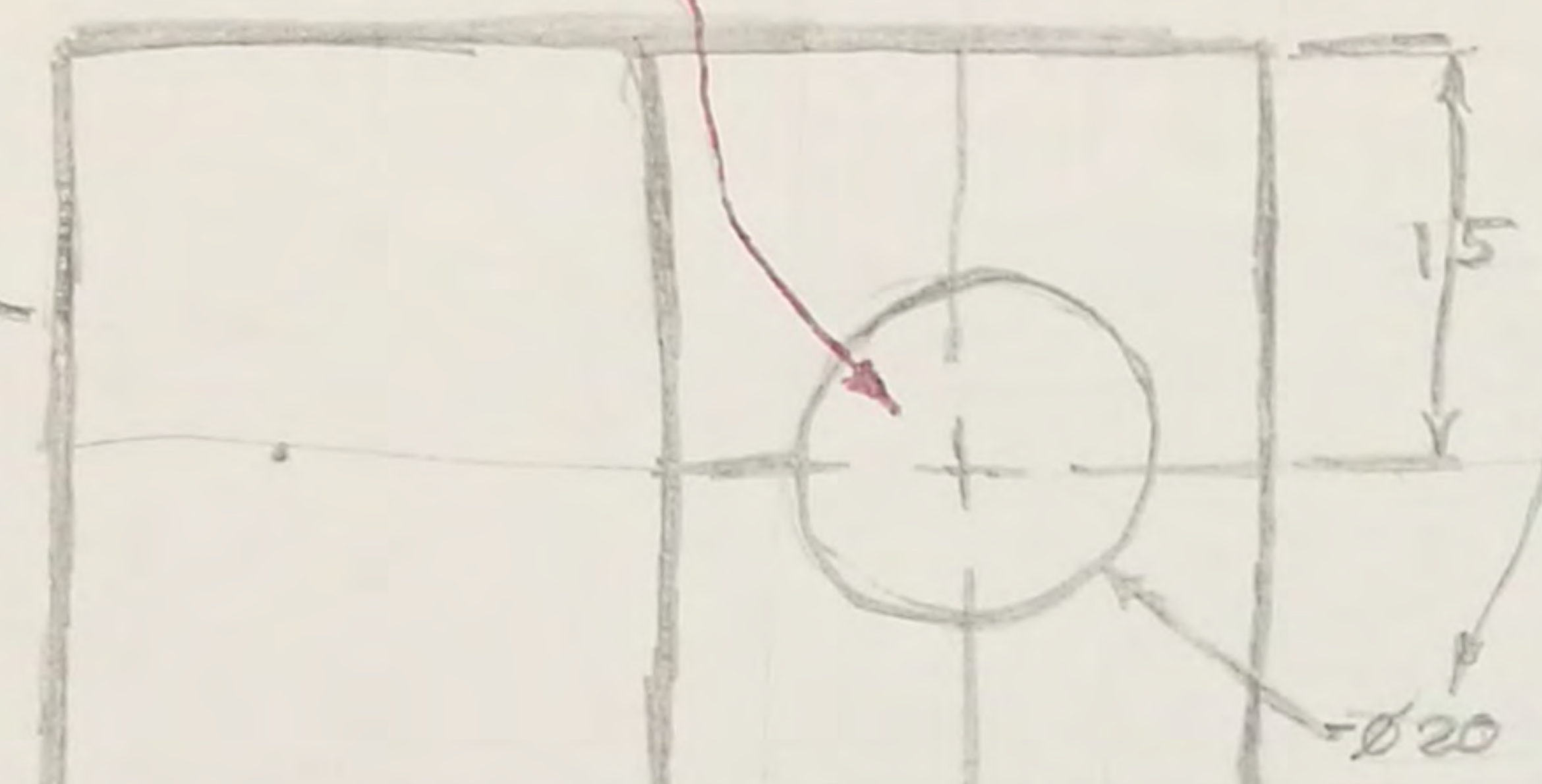
STARTING POINT

SPACE

SPACING BETWEEN OBJECT
VIEWS IS KEPT THE SAME

FRONT VIEW

RIGHT SIDE VIEW



ORTHOGRAPHIC PROJECTION

NORMAL TEXT
SIZE 3MM

SHOW AN OBJECT FROM DIFFERENT 2D VIEWS
USUALLY THREE, TO SHOW ALL FEATURES OF OBJECTS

PRACTICE

OCT 5
SECT 0

12
20

Top View

ISOMETRIC VIEW

PAGE
HEADER

ISOMETRIC

OBJECT LINE
Thick/DARK

Centre line
crossing

DIAMETER
(SYMBOL)

$\phi 20$

DIMENSION
LINE SPACING

SPACE

OVERALL
dimension

30

DIMENSION
LINE

Base
Line

ARROW
EXTENSION

Arrow
Extension
Line

Thin and
weight

Feature/Detail
Line

Hidden line

DARKER

LINE
CONSISTENCY

RIGHT SIDE
VIEW

Centre line
Single

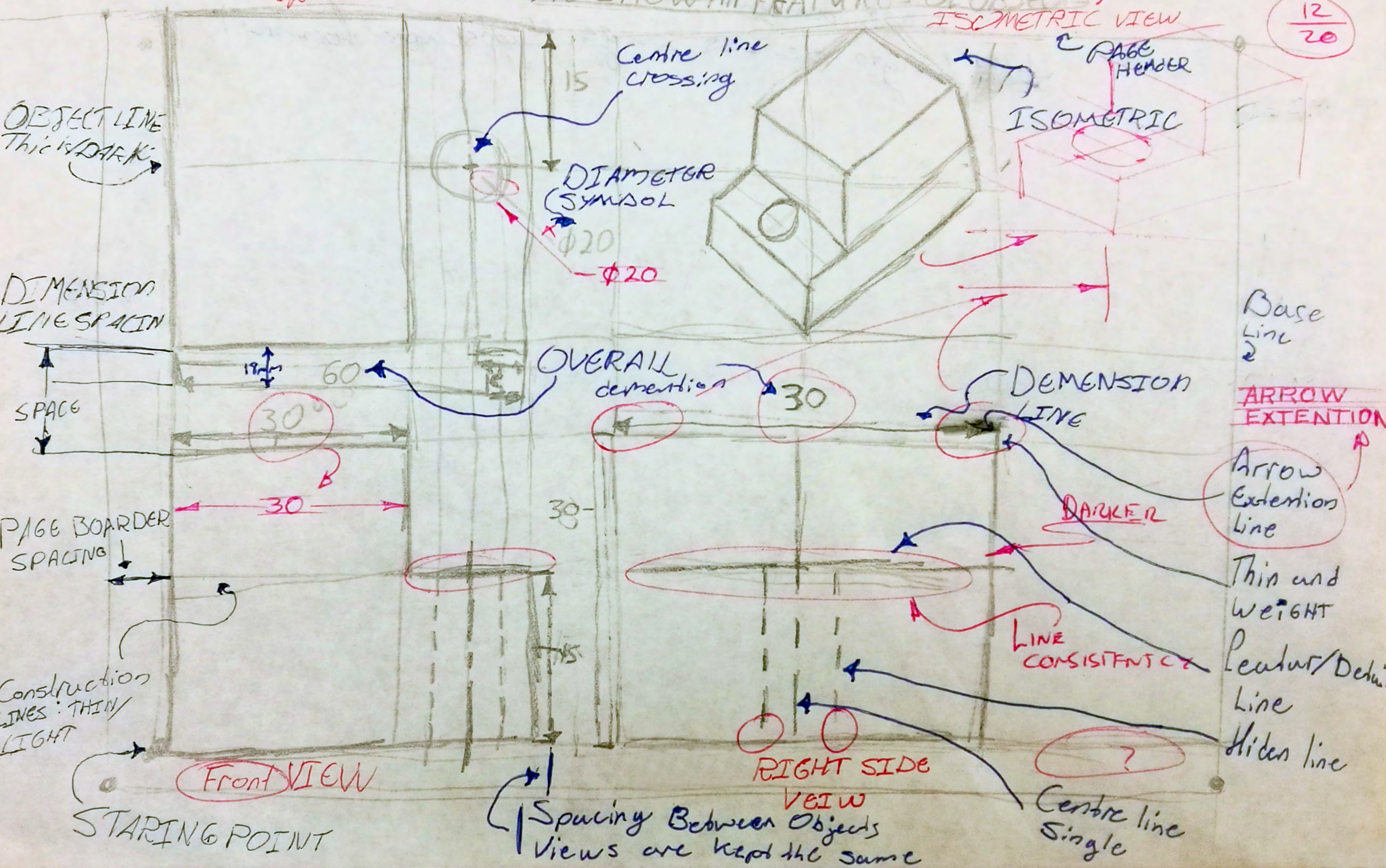
Spacing Between Objects
Views are kept the same

Front VIEW

STARTING POINT

PAGE BORDER
SPACING

Construction
LINES: THIN/
LIGHT



ORTHOGRAPHIC PROJECTION

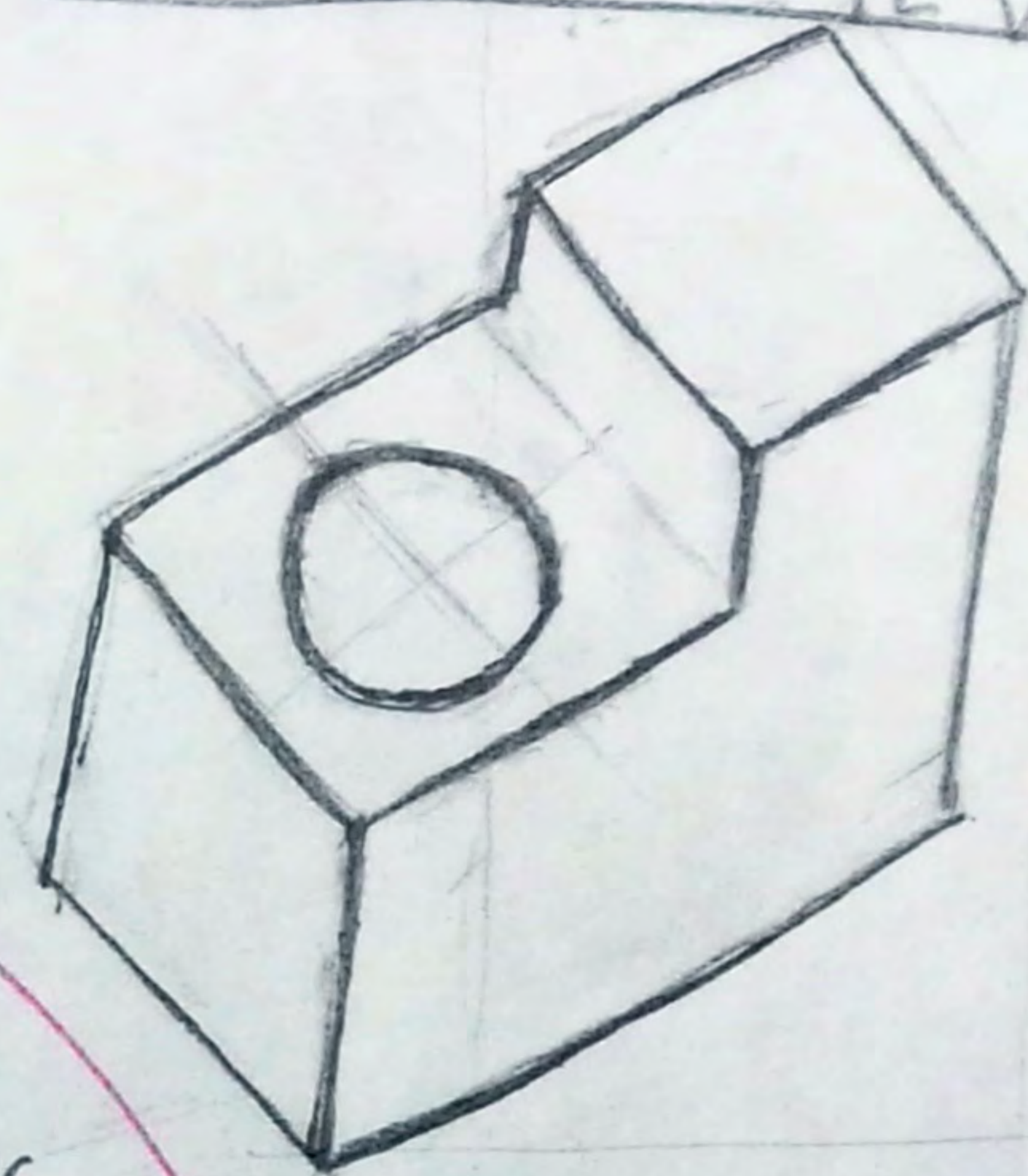
SHOWS AN OBJECT FROM 2D VIEWS, USUALLY THREE TO SHOW ALL FEATURES OF AN OBJECT.

NORMAL TEXT SIZE 3 MM

PAGE
HEADER

PAGE
SHEET

ISOMETRIC VIEW



ISOMETRIC

BASE
LINE

CENTRE LINES CROSSING

TOP VIEW

OBJECT
LINES:
THICK/DARK

DIMENSION
LINES SPACING

SPACE

DIAMETER
SYMBOL

$\phi 20$

30

18 MM

60

15

OVERALL
DIMENSIONS

DETAIL DIMENSIONS

30

PAGE
BOARER
SPACING

DIMENSION
LINE

ARROW

30

30

CONSTRUCTION
LINES THIN/
LIGHT

15

EXTENSION
LINE:
THIN AND
MEDIUM
WEIGHT

FRONT VIEW

SPACE

STARTING
POINT

RIGHT SIDE VIEW

CENTRE LINE SINGLE
HIDDEN LINE

FEATURE/DETAIL LINE

SPACING BETWEEN OBJECT
VIEWS IS KEPT THE SAME

ORTHOGRAPHIC PROJECTION

TITLE TEXT
SIZE 6MM
NORMAL
TEXT SIZE 3.0MM

14
20

OCT 10
SECT

CENTER LINES

SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS
USUALLY THREE, TO SHOW ALL FEATURES OF OBJECTS

CROSSING TOP VIEW

ISOMETRIC VIEW

OBJECT
LINES:
DARK
THICK

DIAMETER
SYMBOL

Ø20

DETAILED/
OVERALL
DIMENSIONS?

SKETCH LINE
CONSISTENTLY

RACING

PAGE
BOARDER
SPACE
DIMENSION
LINE SPACING

FRONT VIEW

RIGHT SIDE VIEW

CONSTRUCTION
LINES:
THIN/LIGHT

STARTING
POINT

SPACING BETWEEN
OBJECTS

CENTRAL
LINE
SINGLE

FEATURE LINE
HIDDEN LINE

PAGE HEADER

PAGE SHEET

ISOMETRIC

BASE LINE

DIMENSION
LINE

ARROW

EXTENSION
LINE!

THIN AND
MEDIUM

WEIGHT

ORTHOGRAPHIC PROJECTION

TITLE TEXT SIZE 6MM

OCT
SECTION

SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS,
USUALLY THREE, TO SHOW ALL FEATURES OF OBJECT

NORMAL TEXT SIZE 3MM

20
20

CENTER LINES CROSSING

TOP VIEW

ISOMETRIC VIEW

PAGE HEADER

PAGE SHEET

OBJECT LINES:
THICK/DARK

DIMENSION
LINE SPACING

DIAMETER
SYMBOL

15

Ø20

OVERALL DIMENSIONS

DETAIL DIMENSIONS

ISOMETRIC

BASE LINE

DIMENSION
LINE

ARROW

EXTENSION
LINE:
THIN AND
MEDIUM
WEIGHT

PAGE BORDER
SPACING

CONSTRUCTION
LINES:
THIN/LIGHT

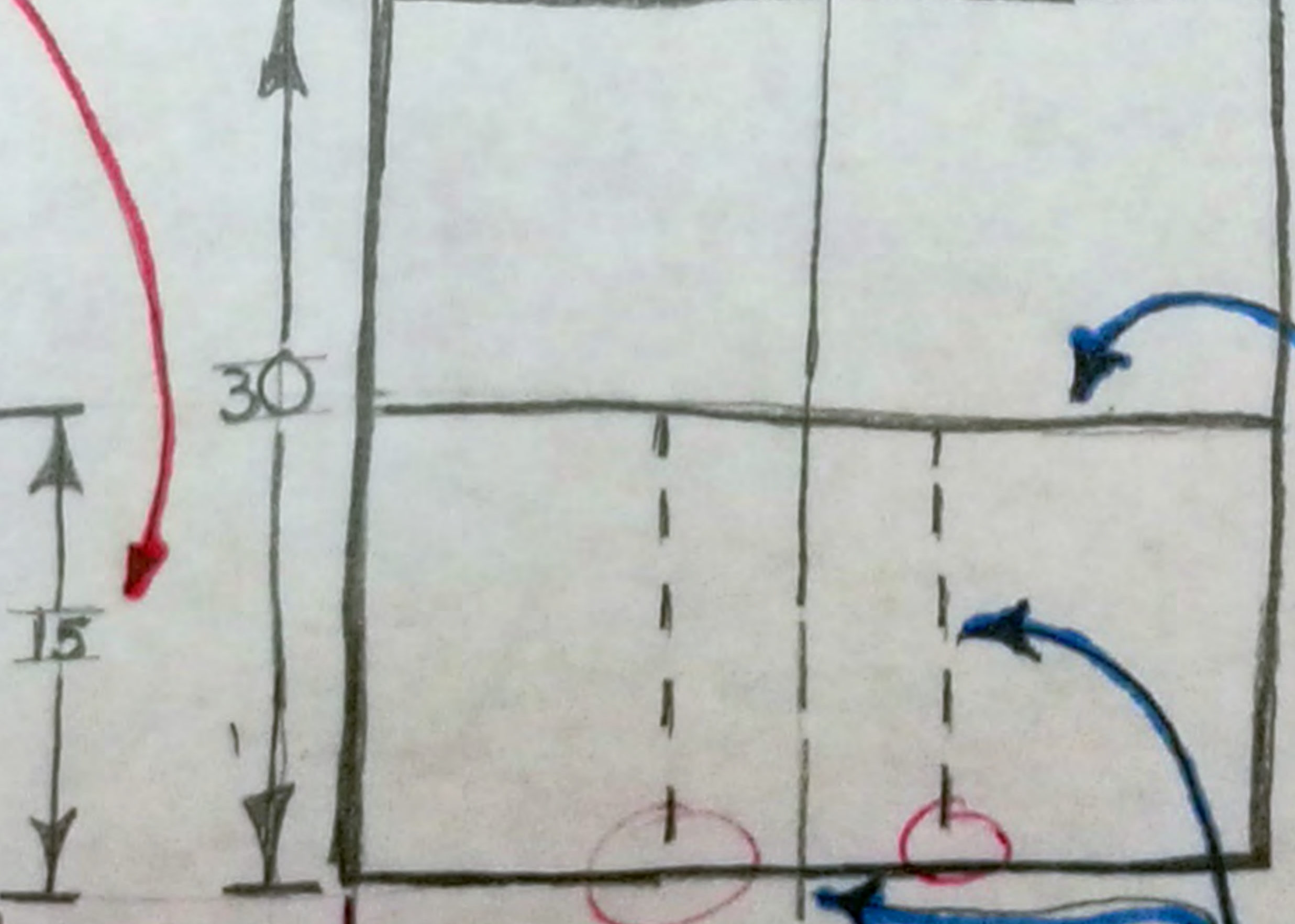
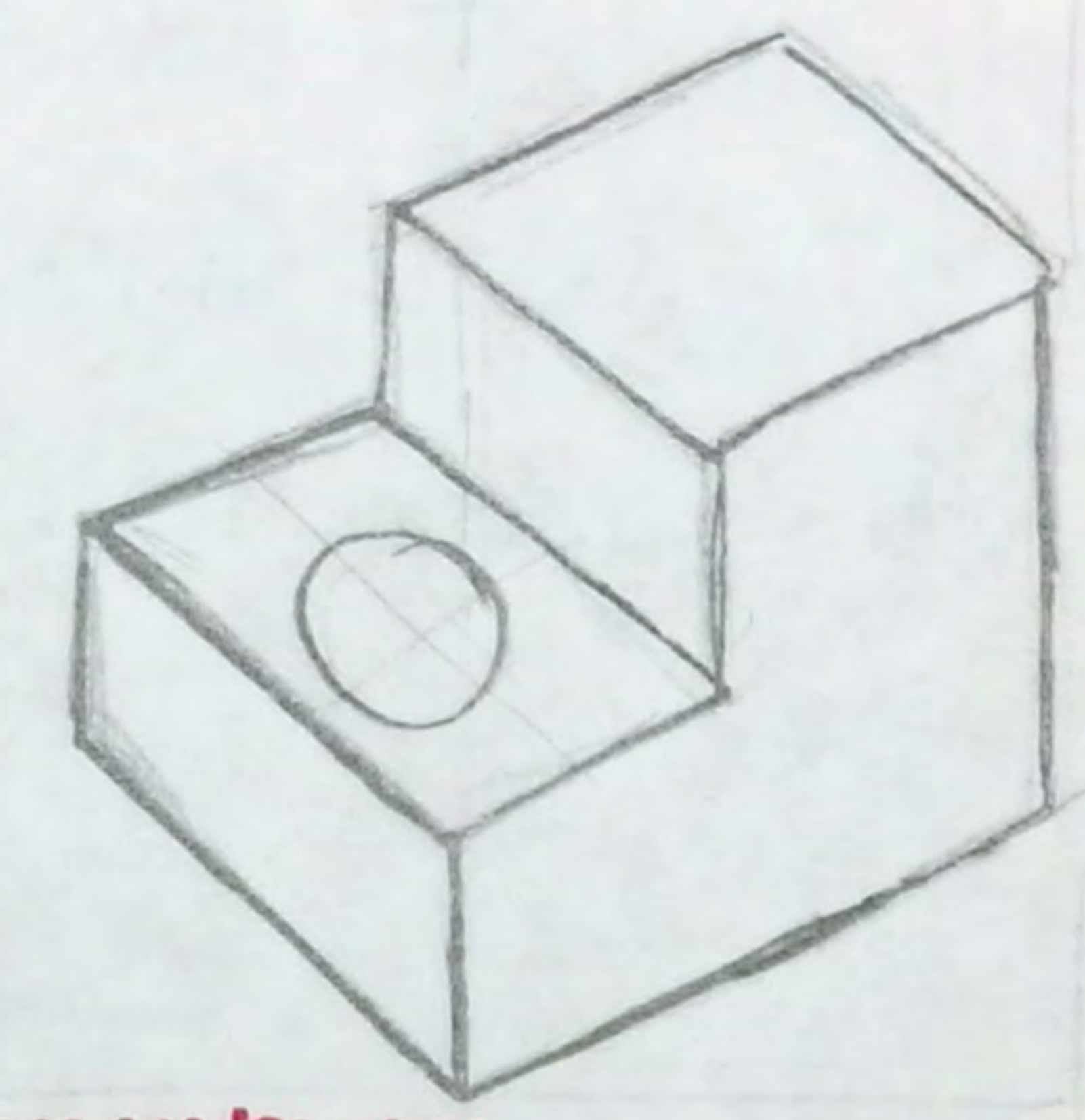
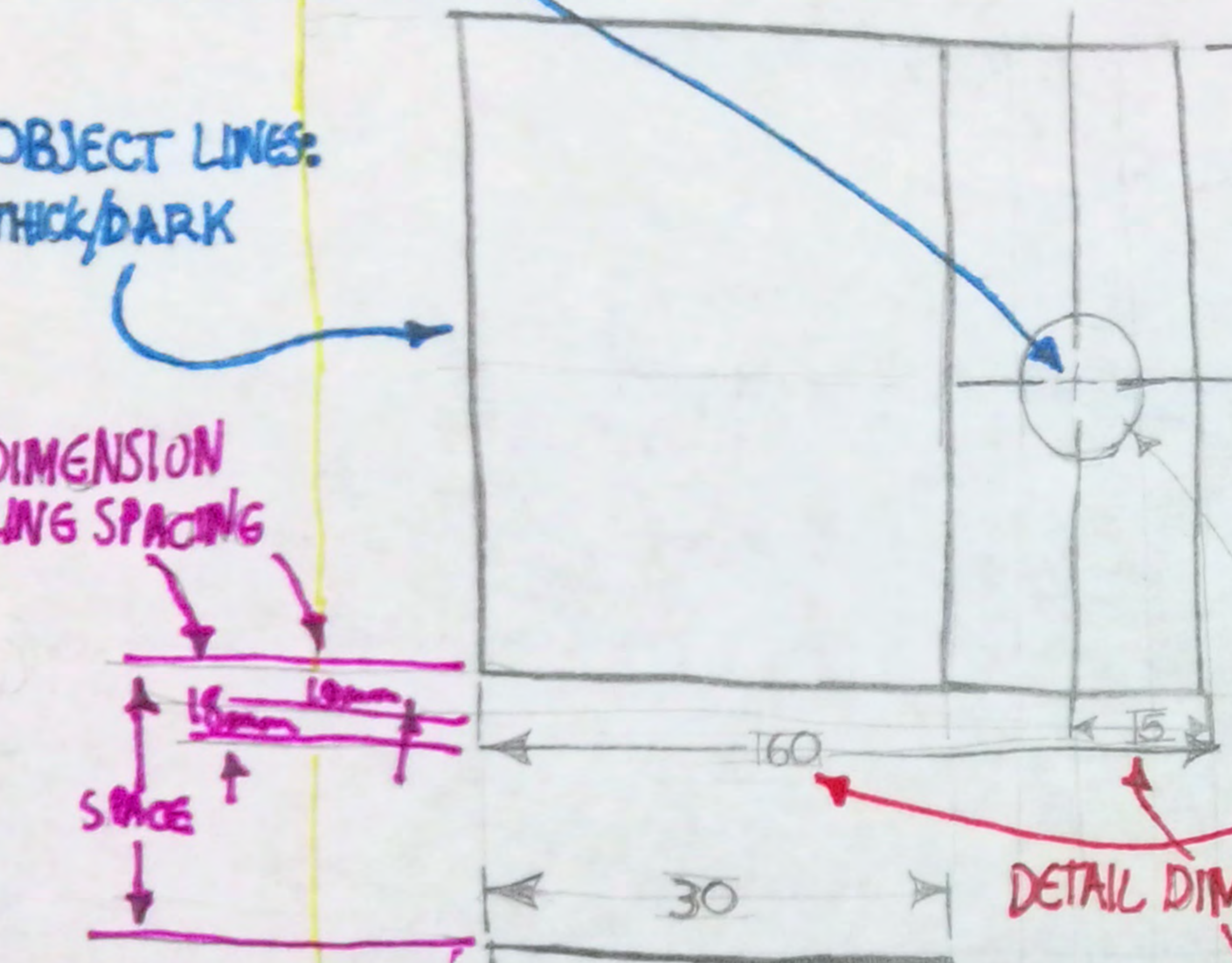
FRONT VIEW

RIGHT SIDE
VIEW

FEATURE/DETAIL LINE
HIDDEN LINE
CENTRE LINE SINGLE

STARTING POINT

SPACES BETWEEN OBJECT
VIEWS IS KEPT THE SAME



ORTHOGRAPHIC PROJECTION

TITLE TEXT SIZE 6MM

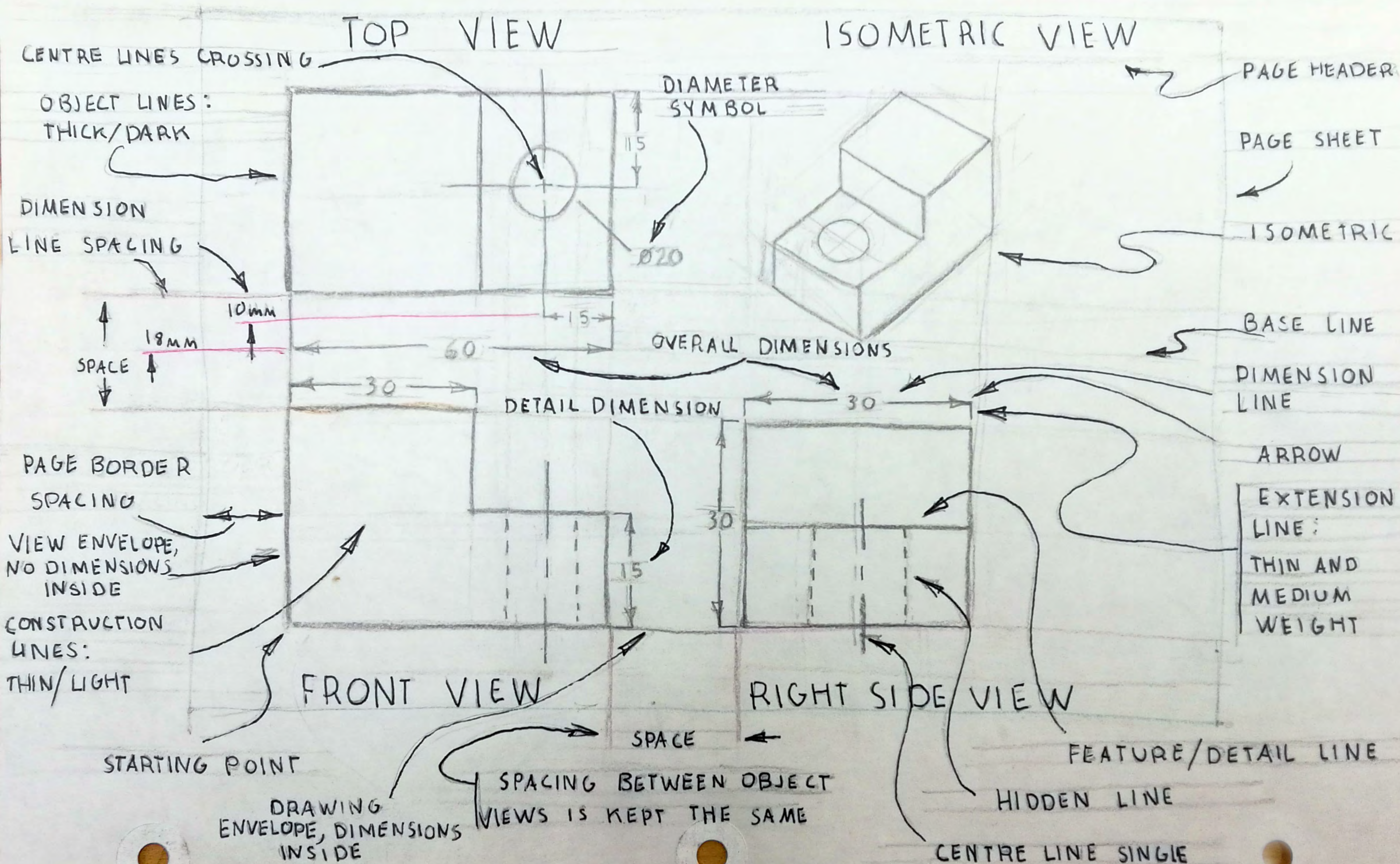
SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS,

USUALLY THREE, TO SHOW ALL FEATURES OF OBJECT.

NORMAL TEXT SIZE 3MM

SECTION #

20/20



SHOWS AN OBJECT FROM DIFFERENT 2D VIEWS
USUALLY THREE, TO SHOW ALL FEATURES OF AN OBJECT.

TOP VIEW

ISOMETRIC VIEW

CENTRE LINE CROSSING

OBJECT LINES:
THICK/DARK

DIMENSION LINE
SPACING

SPACE

PAGE BORDER
SPACING

CONSTRUCTION
LINES:
THIN/
LIGHT

FRONT VIEW

RIGHT SIDE
VIEW

STARTING POINT

SPACE
SPACING BETWEEN
OBJECT VIEWS IS
KEPT THE SAME

CENTRE LINE
SINGLE

DIAMETER
SYMBOL

Ø20

OVERALL DIMENSIONS

DETAIL
DIMENSIONS

PAGE HEADER

PAGE SHEET

ISOMETRIC

BASE LINE

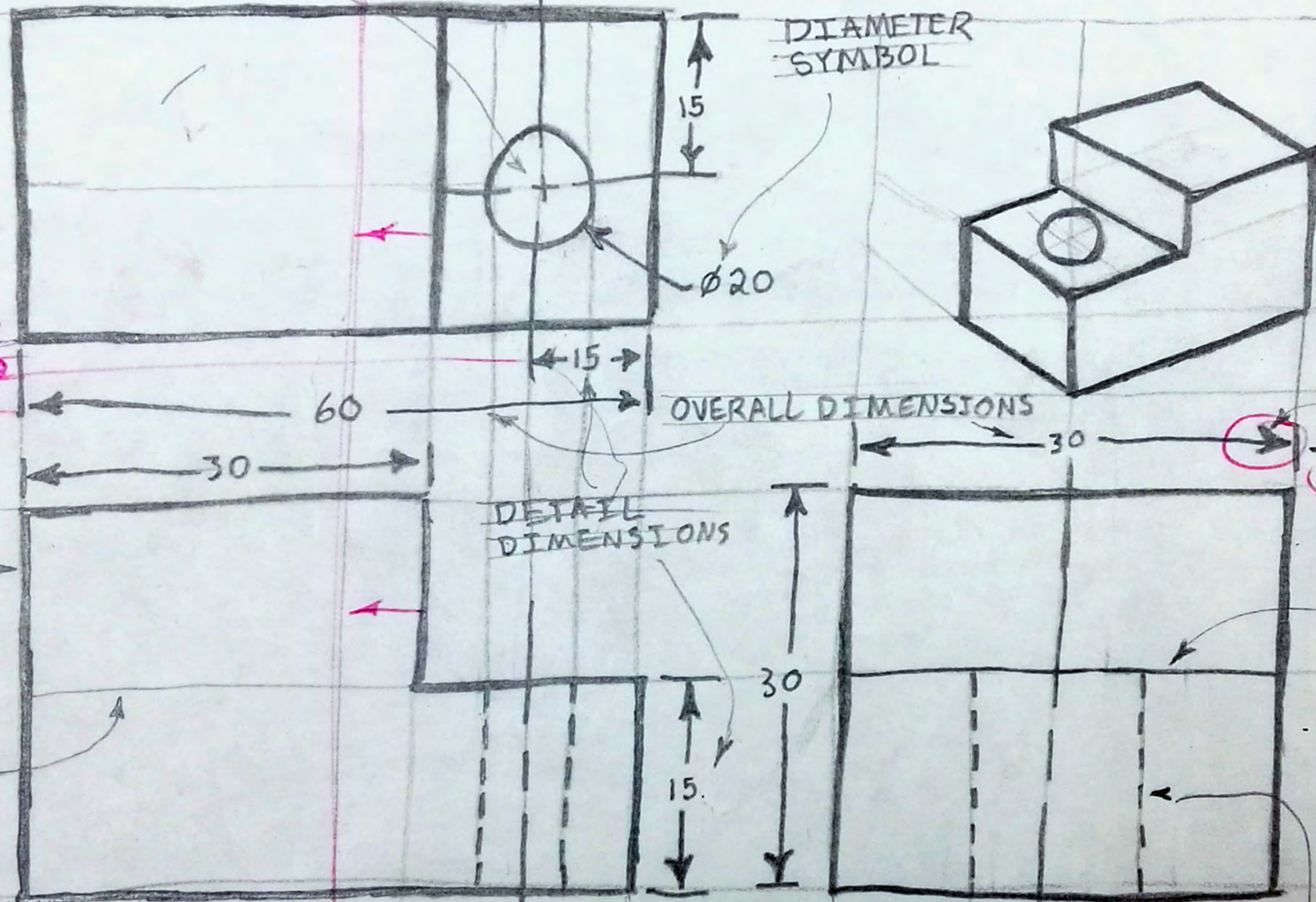
ARROW

EXTENSION
LINE

THIN AND
MEDIUM
WEIGHT

FEATURE/DETAIL
LINE

HIDDEN LINE



TEXT NOTE ?

R

3 rules? $\frac{13}{20}$

SECT

CENTRE LINES CROSSING TOP VIEW

ISOMETRIC VIEW

