

Objective:

Introduction to points and lines in drafting and how are they used to construct a drawing.

Initial skill development of drafting lines (horizontal, vertical, at various angles of 45, 30 and 60 degrees)

Skills:

How to identify the correct drafting instruments and stationery for a given task?

How to align and format a sheet?

How to use drafting instruments?

How to sharpen a pencil?

How to draft lines at equal spacing?

Learning Outcome (on which the Assessment Rubric is based):

To learn to draft various types of lines of given/stated spacing, sharpness and/or intensities consistently, without focussing on the use/application of those line in the architectural drawings, at this stage.

Assessment Rubric:

- Mandatory requirements - 100% completion of sheet with faculty studio signature.
- Complete format with nameplate and dark border line.

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
No guidelines and/or improper use of instructed instruments. No consistency in instructed spacing, sharpness and/or intensity of lines.	Uneven spacing between instructed guidelines and start and end points of lines. Lack of consistency in instructed sharpness and/or intensity of lines. Unequal intensity from beginning of the line to the end of the line.	Clean sheet with equal instructed spacing between lines with guidelines. Lines with accurate starting and ending points and instructed sharpness and/or intensity. Light tone of lines throughout the sheet.	Clean sheet with equal instructed spacing between lines with guidelines. Sharp lines with accurate starting and ending point and instructed sharpness and/or intensity. Equal instructed intensity of lines from start to end.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverable:

1 no. A1 sheet

Material needed:

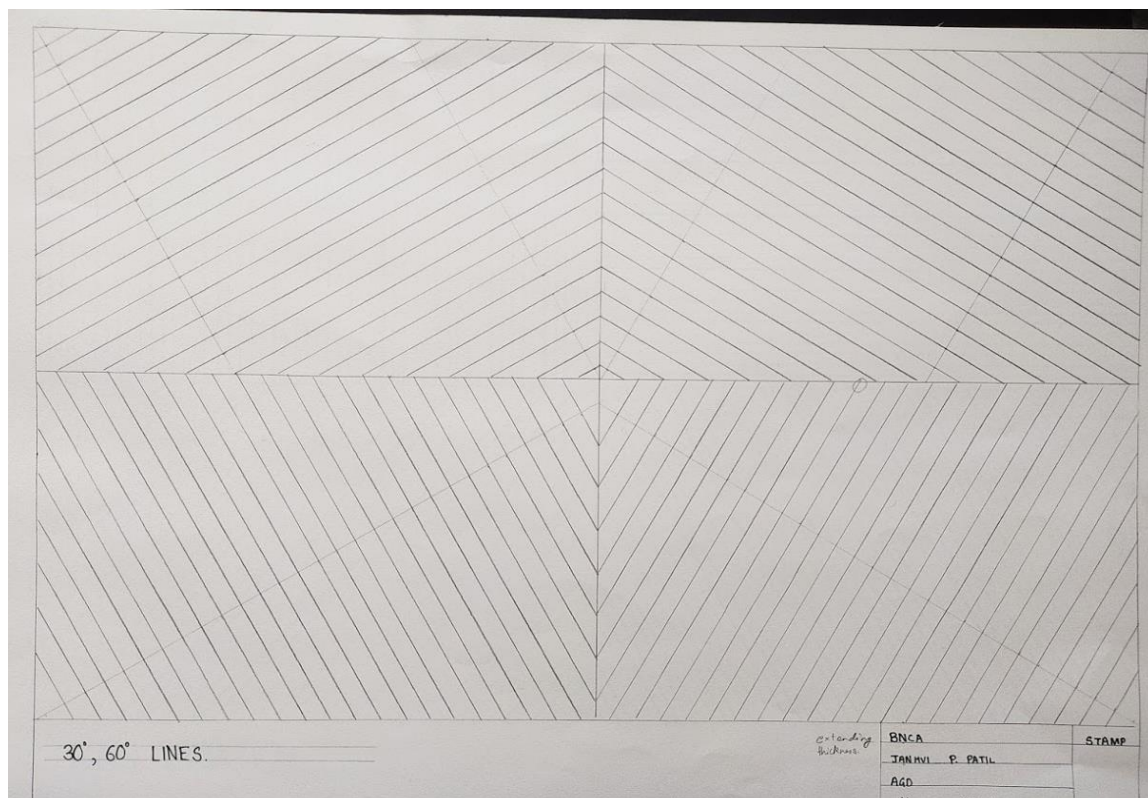
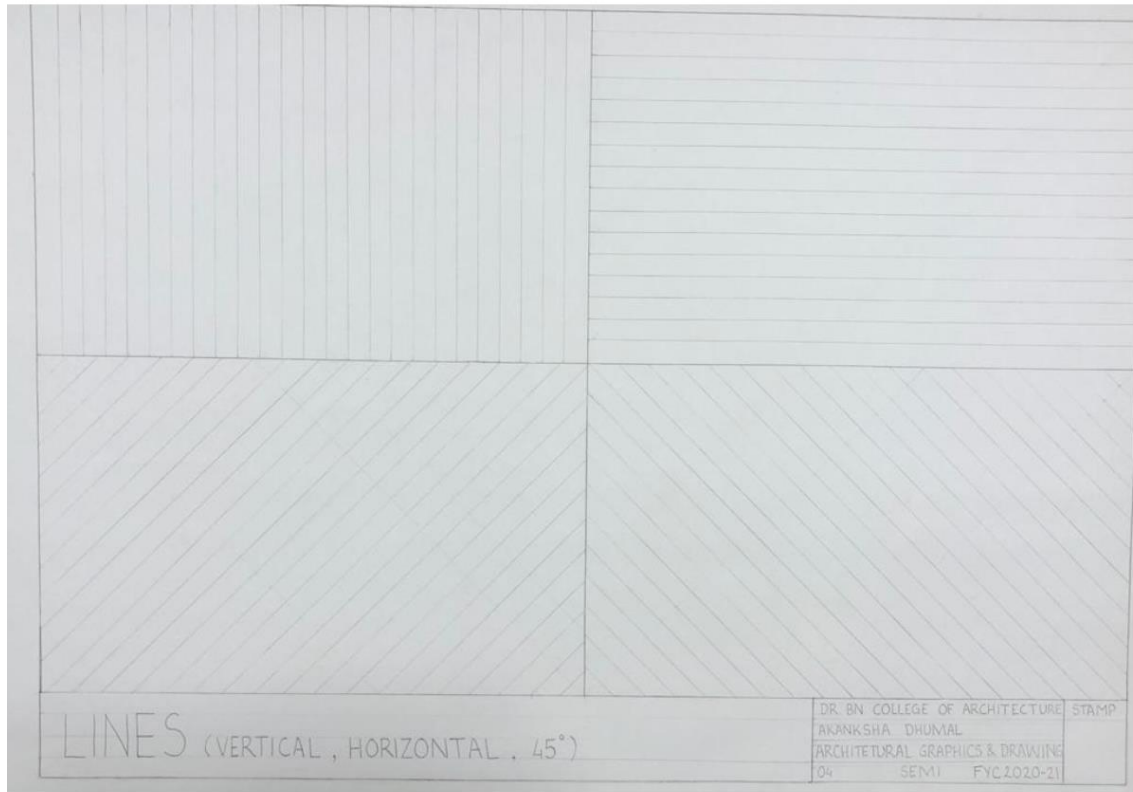
Classwork:

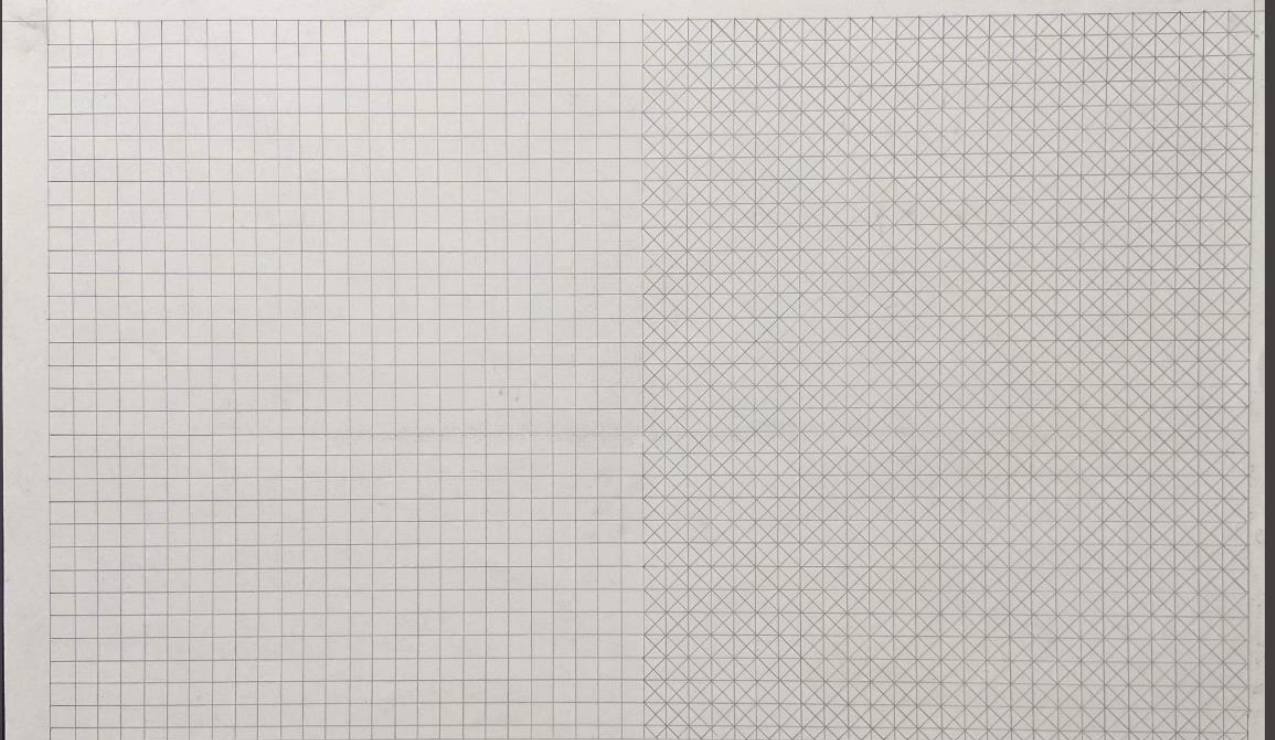
A2/A3 cartridge sheet, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B

Homework:

A1 cartridge sheet, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B

Sample :





GRIDS

DR. B.N. COLLEGE OF ARCHITECTURE	SIGNATURE
KASTURI NARKAR	
ARCHI. GRAPHICS & DRAWING	
F.Y.B. 20-21	ROLL NO. 23
KASTURI NARKAR A20046 RN VS F.Y.B.	

Objective:

Introduction to meaning of various line tones in a drawing.
Initial skill development of drafting lines at angles with tonal variation.

Skills:

What is a line tone and where do we see its application?
Which pencil to use from various grades of pencils to achieve a particular line tone?
How to use same pencil grade to achieve varying line tones?
How to regulate pressure on hands while drafting?

Learning Outcome (on which the Assessment Rubric is based):

Sheet 1:

To learn the need and application of various grade pencils and how different grade pencils could provide different tonal variations even with same hand pressure.

Sheet 2:

To learn how to use the same grade pencil in order to achieve different tonal variations with different levels of hand pressure.

Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.
- Complete format with nameplate and dark border line.

Sheet 1 : Different grade pencils, same hand pressure

Sheet 2 - Same grade pencils, different hand pressure

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
No instructed guidelines and untidy sheet. No consistency in instructed spacing and/or sharpness of lines. Minimum tonal variation achieved.	Uneven instructed distance between lines and/or starting/ending point of lines. Lack of consistency in instructed sharpness of lines and four line tones. No uniformity in instructed intensity of lines from their start to end.	Clean sheet with equal instructed spacing between lines with guidelines and exact instructed starting and ending point for every line. Four distinct instructed line tones achieved but lack of instructed uniformity in consecutive lines in entire sheet. Lack of uniformity in intensity of lines from start to end.	Clean sheet with equal instructed spacing between lines with guidelines. Sharp lines with exact instructed starting and ending point. Instructed consistency in line tone from start to end. Four distinct instructed line tones achieved and maintained throughout the sheet.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverables:

2 nos. A1 sheets

Material needed:

Classwork:

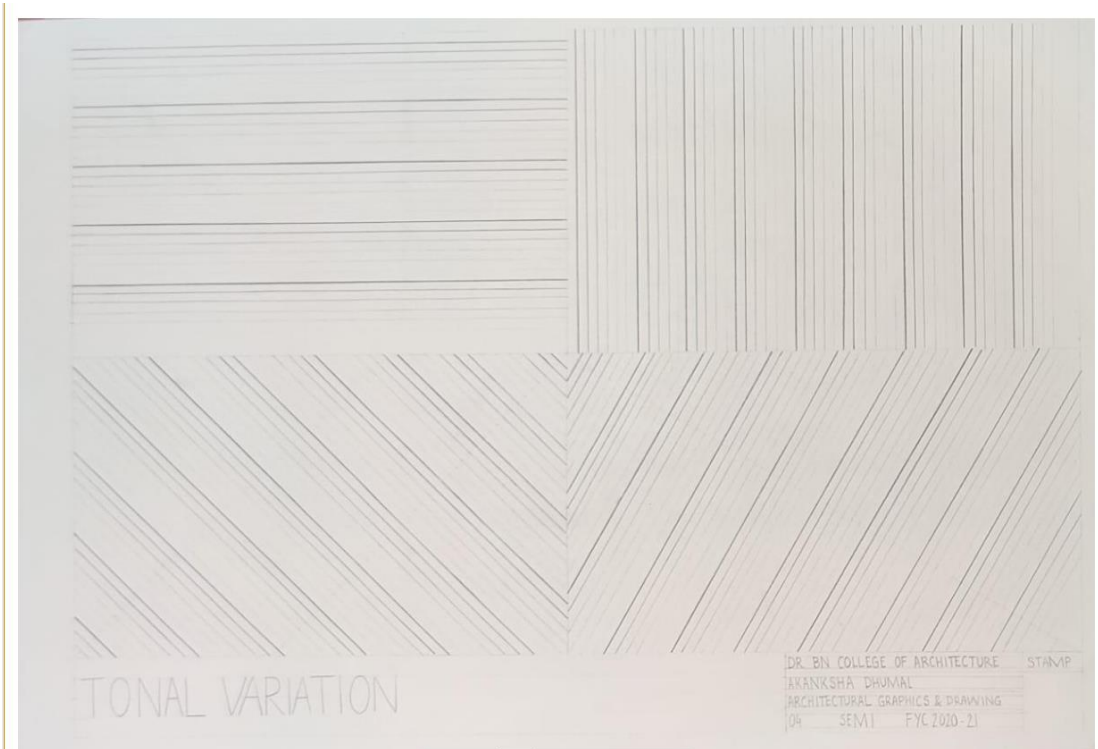
A2/A3 cartridge sheet, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B, 6B

Homework:

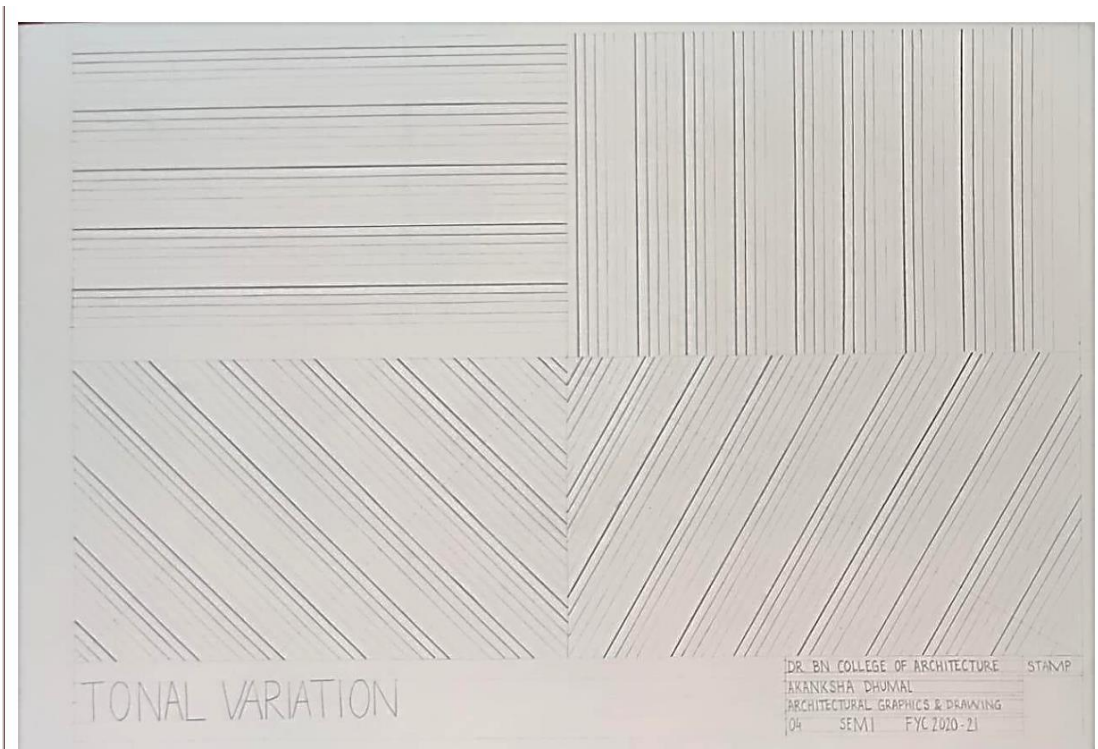
2 nos. A1 cartridge sheets, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B, 6B

Sample Sheets:

Sheet 1



Sheet 2



Objective:

Introduction to meaning of various line types in an architectural drawing.
 Introduction to technical fonts for nomenclature on drawings.
 Initial skill development of drafting various line types and lettering.

Skills:

Which line types and line tones are required while preparing an architectural drawing to communicate its meaning correctly?
 Which font is used for technical drawings?
 What is the hierarchy of lettering on a sheet?

Learning Outcome (on which the Assessment Rubric is based):

Sheet 1:

To learn to draw various line types with appropriate line tones, instructed consistency, accurate sharpness and/or intensity and uniformity, without focussing on the use/application of those line types in the architectural drawings, at this stage.

Sheet 2:

To learn to choose and apply different scales of lettering (technical fonts) for various instructed hierarchy of nomenclature on drawings.

Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.
 - Complete format with nameplate and dark border line.

Sheet 1 – Line Types

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
No instructed guidelines and untidy sheet. No consistency in instructed spacing, tone and sharpness of lines.	Uneven distance between lines and starting and ending point of line types. Lack of uniformity in instructed line type and line tone from start to end.	Clean sheet with sharp lines and exact starting and ending point. Lack of uniformity in instructed line type or line tone from start to end.	Clean sheet with instructed sharp lines and exact starting and ending point. Application of appropriate instructed line tone for every line type and uniformity in lines throughout the sheet.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Sheet 2 - Lettering

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
No instructed guidelines and untidy sheet. Inappropriate non-technical lettering font. Cursive lettering.	Uneven distance between instructed guidelines. No uniformity in letters and/or their proportions and/or spacing. Inclined lettering.	Clean sheet with neat guidelines. Slightly inclined lettering with no uniformity of letters in increasing text height.	Clean sheet with neat guidelines with consistent instructed spacing and line tone. Upright font with proper proportions and spacing between letters in all sizes of lettering. Consistency in lettering.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverables:

2 nos. A1 sheets

Material needed:

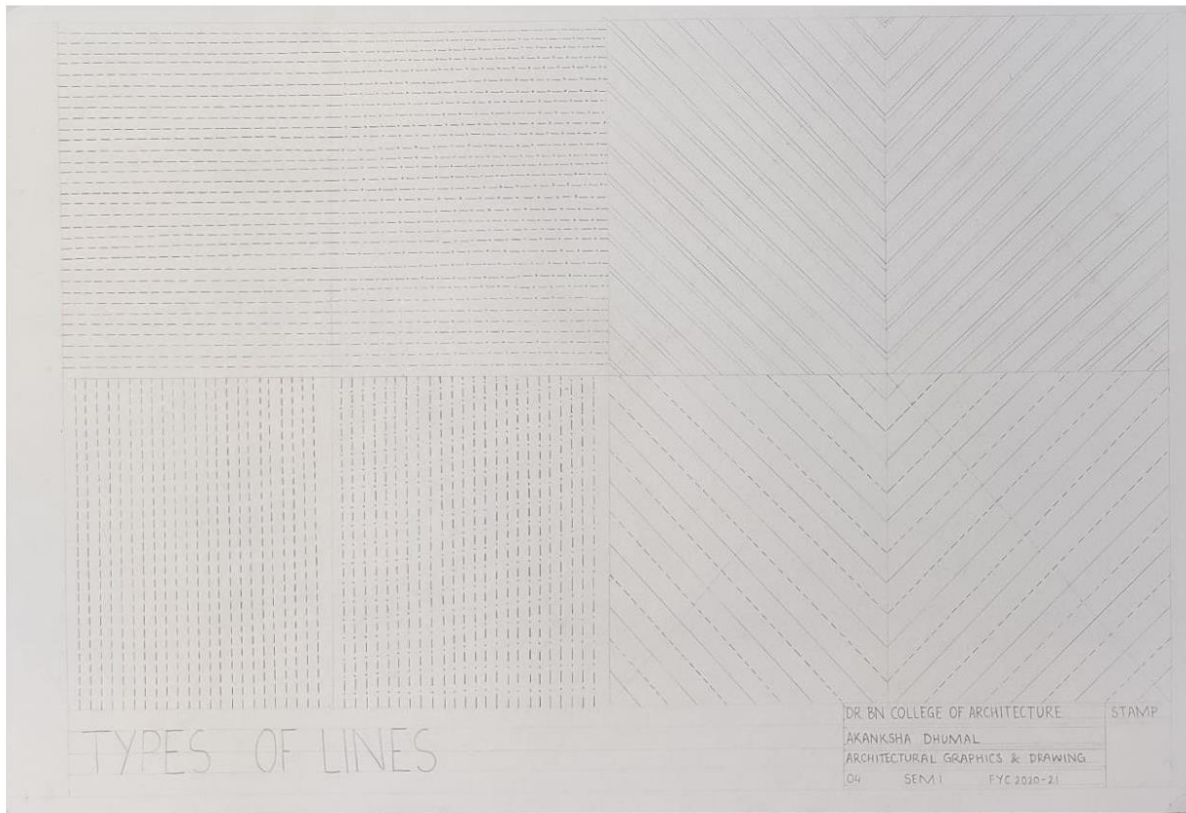
Classwork:

A2/A3 cartridge sheet, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B, 6B

Homework:

2 nos. A1 cartridge sheets, tracing sheet, T-square, Set-squares, Pencil grade – HB, 2B, 4B, 6B

Sample



A B C D E F G H I J K L M N O P Q R
 S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T U
 V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T

LETTERING 2 (VARYING SIZES)

DR. BN. COLLEGE OF ARCHITECTURE STAMP
 AKANKSHA DHUMAL
 ARCHITECTURAL GRAPHICS & DRAWING
 04 SEM I FYC 2020-21

A B C D E F G H I J K L M N O P Q
 R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q
 R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q
 R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q
 R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q
 R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 0

A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M N O P Q R S T
 U V W X Y Z
 1 2 3 4 5 6 7 8 9 0

LETTERING 1

DR. BN. COLLEGE OF ARCHITECTURE STAMP
 AKANKSHA DHUMAL
 04 SEM I FYC 2020-21

Objective:

Introduction to language of drawing with its conventions and annotations.
Develop the ability to read and comprehend a drawing.

Skills:

What are the contents of a nameplate?

What is the meaning of every different line in the drawing?

What does every symbol communicate in the drawing?

What are the conventions for various building elements and building materials?

Contents:

- Types of drawings – documentation drawing, working drawing, presentation drawing.
- Set of drawings – sequence and composition, hierarchy in lettering and scale.
- North symbol, road, trees, gate, entrance symbol, steps, graphical scale.
- Staircase – ground floor, first floor and terrace level and section through staircase.
- Toilet – plan and section with sanitary fitting indications and tile drop.
- Openings – door types (basic), window types (basic), arches, ventilator.
- Roof indications – inclined roof, vaulted roof.
- Line types, ground line in section, humans, materials in plan and section, levels in plan, elevation and section, open to sky indication, double height indication.

Material needed :

A5 book, A4 gridpad, tracing sheet, T square, Set squares, scale, Pencil grade – HB, 2B, 4B

Deliverables :

A5 doodle book - DRAWING DONE RIGHT.

Annotate in the WORKBOOK.

Read a drawing collectively in library.

Assessment Rubric:

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
<p>Untidy linework and incorrect representation of annotations, only description in doodle book.</p> <p>Untidy sheet, No uniformity in line type and line tone.</p> <p>Inappropriate non technical font and dimension style.</p> <p>Improper application of material indications and conventions.</p>	<p>Untidy linework though correct representation of annotations and minimum footnotes in doodle book.</p> <p>No uniformity in line type and line tone.</p> <p>Non uniformity in font and dimension style/description</p> <p>Incomplete application of material indications and conventions.</p>	<p>Correct representation of annotations with footnotes in doodle book.</p> <p>Clean linework but improper line tones and line types.</p> <p>Technical font with improper method of writing description/ dimensions.</p> <p>Proper application of material indications and conventions.</p>	<p>Correct representation of annotations with clean linework and footnotes in doodle book.</p> <p>Clean linework with proper line tones and line types on sheet.</p> <p>Technical font for text with appropriate hierarchy and dimensions/ description.</p> <p>Proper application of material indications and conventions.</p>
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION
PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN

TREES - PLAN & ELEVATION

HUMAN FIGURES

ANNOTATIONS-2

VK. BN. COLLEGE OF ARCHITECTURE KASTURI NARKAR ARCH. GRAPHICS & DRAWING F.Y.B 20_21	SIGNATURE
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	BRICK		NORTH
	STONE		LEVEL PLAN
	CONCRETE		LEVEL ELEVATION
	TIMBER		UP
	ACTUAL LINE		ENTRANCE
	INVISIBLE LINE		TILE DROP
	SECTION LINE		ARCH
	WINDOW		RAMP
	VENTILATOR		DOOR
			TERRACE
			SUNLIGHT

ANNOTATIONS

Objective:

Introduction to the concept of scales in drawing.
 Introduction to correlation between details of object to be drawn, intention of the drawing to be prepared and choice of scale to represent the same.

Skills:

How to observe and measure a (small part of) a building?
 How to choose an appropriate size of sheet for particular drawing?
 How to decide a scale based on the intent of the drawing?
 How to communicate and work as a group/ team?

Site visit :

Karve Samadhi in campus.

Work in groups of 3/4.

Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.

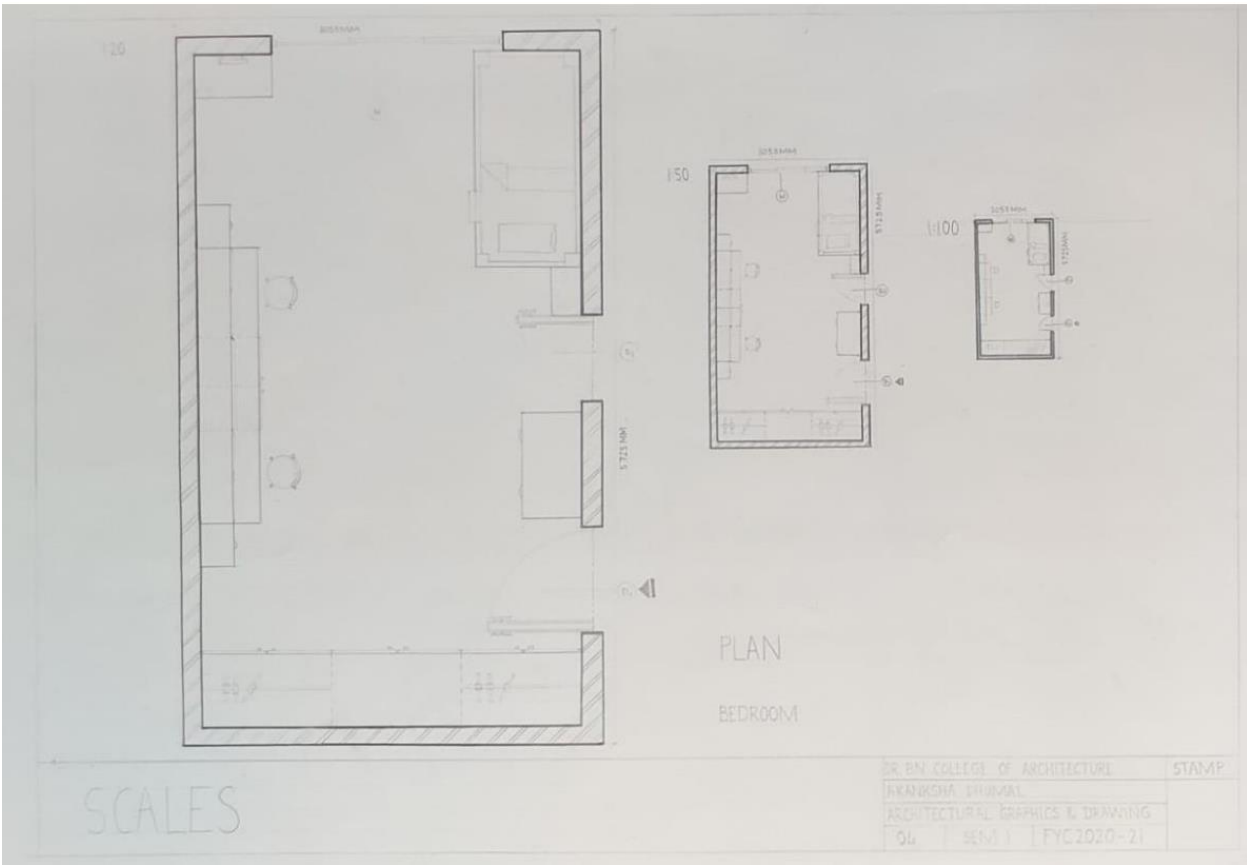
- Complete format with nameplate and dark border line.

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
Poor observation in reproducing a building as a drawing .	Poor observation in reproducing a building as a drawing on tracings.	Keen observation in reproducing a building as a drawing on tracings.	Keen observation in reproducing a building as a drawing on tracings.
Poor sketch work with proper units of measurements but incomplete cross check dimensions.	Average sketch work with proper units of measurements but incomplete cross check dimensions.	Average sketch work with proper units of measurements but incomplete cross check dimensions.	Methodical and clean sketch work with proper units of measurements and cross check dimensions.
No of intent reflected through the scale chosen for the drawing and size of paper.	No of intent reflected through the scale chosen for the drawing and size of paper.	Clarity of intent reflected through the scale chosen for the drawing and size of paper.	Clarity of intent reflected through the scale chosen for the drawing and size of paper.
Inconsistent use	Inconsistent use of	Inconsistent use of	Consistent use of

of line tone and line thickness in the drawing. Inorrect application of annotations in the drawing. No coordination between team members till completion of task.	line tone and line thickness in the drawing. Partially correct application of annotations in the drawing. Smooth coordination between team members till completion of task.	line tone and line thickness in the drawing. Correct application of annotations in the drawing. Smooth coordination between team members till completion of task.	line tone and line thickness in the drawing. Correct application of annotations in the drawing. Good coordination between team members till completion of task.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverable : Tracings sheets as needed by students.

Material needed :



Objective:

Skills:

Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.

- Complete format with nameplate and dark border line.

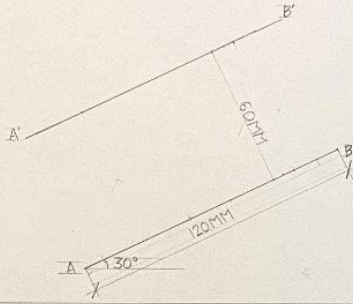
BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverable : 1 no. A1 sheet.

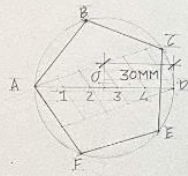
Material needed :

Sample :

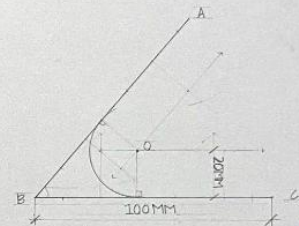
Q1] DRAW A LINE PARALLEL TO AND AT A DISTANCE OF 60MM FROM A STRAIGHT LINE AT 30° ?



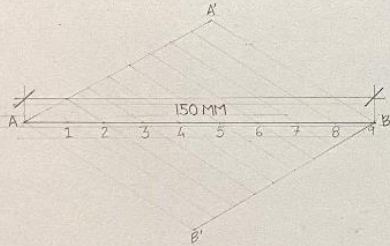
Q2] INSCRIBE A REGULAR PENTAGON IN A CIRCLE OF RADIUS 30MM



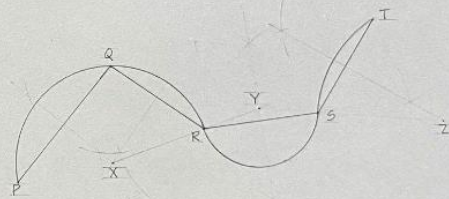
Q4] DRAW AN ARC OF 20MM BETWEEN THE GIVEN STRAIGHT LINES WHICH MAKE 150° BETWEEN THEM



Q3] DIVIDE THE GIVEN LINE OF 150MM INTO 9 EQUAL PARTS.



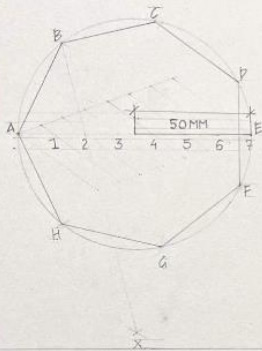
Q5] DRAW A CONTINUOUS CURVE OF CIRCULAR ARCS PASSING THROUGH 5 PTS NOT IN A STRAIGHT LINE.



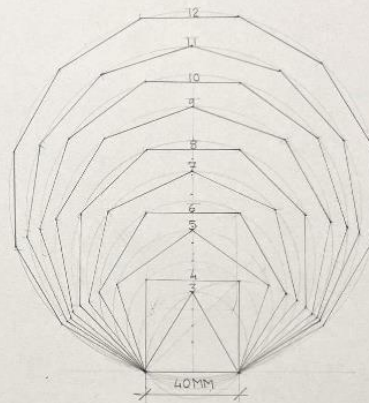
PLANAR GEOMETRY

DR. BN. COLLEGE OF ARCHITECTURE	SIGNATURE
KASTURI NARKAR	
ARCHI. GRAPHICS & DRAWING	
FYB. 20_21	ROLL NO-23

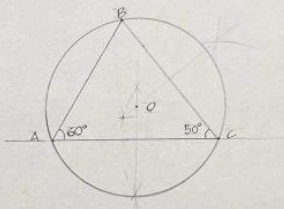
Q6] INSCRIBE A POLYGON OF 7 SIDES IN A CIRCLE OF 50MM.



Q7] CONSTRUCT POLYGONS FROM 3-12 NO OF SIDES WITH LENGTH OF EACH SIDE 40MM



Q8] CIRCUMSCRIBE A CIRCLE ABOUT THE GIVEN TRIANGLE



PLANAR GEOMETRY

DR. BN. COLLEGE OF ARCHITECTURE	SIGNATURE
KASTURI NARKAR	
ARCHI. GRAPHICS & DRAWING	
FYB. 20_21	ROLL NO-23

Objective:

To illustrate objects/ building elements using Orthographic projections system (plan, section and elevations)

Develop the ability to visualize an object / building element through verbal cues and/or written description and prepare a set of multiview drawings (plan, section, elevation) .

Skills:

How to represent simple objects with straight edges, curvilinear surfaces and inclined surfaces using orthographic projection method?

How to represent complex and composite forms using orthographic projection method?

Which additional pictorial methods (covered in assignment 5) can be used to communicate complex and composite objects effectively?

Content:

Simple objects with straight edges, curvilinear surfaces and inclined surfaces on a gridpad.

Verbal cues and/or written description of complex objects on a sheet.

Complete the drawing for composite objects on a sheet.

Draw plan, section, elevation and view of building elements like - steps , deepmala, chalukyan column, etc on sheets.

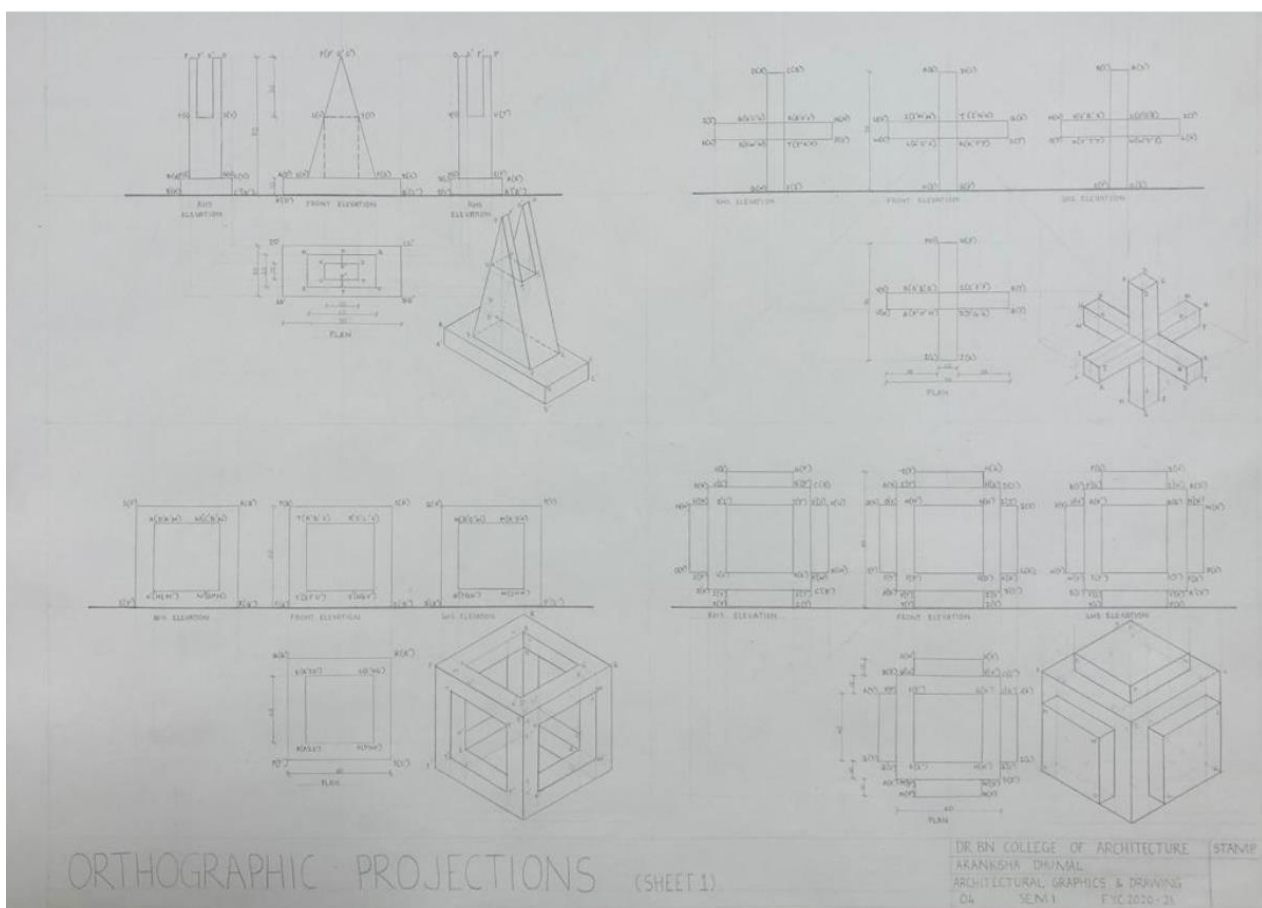
Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.

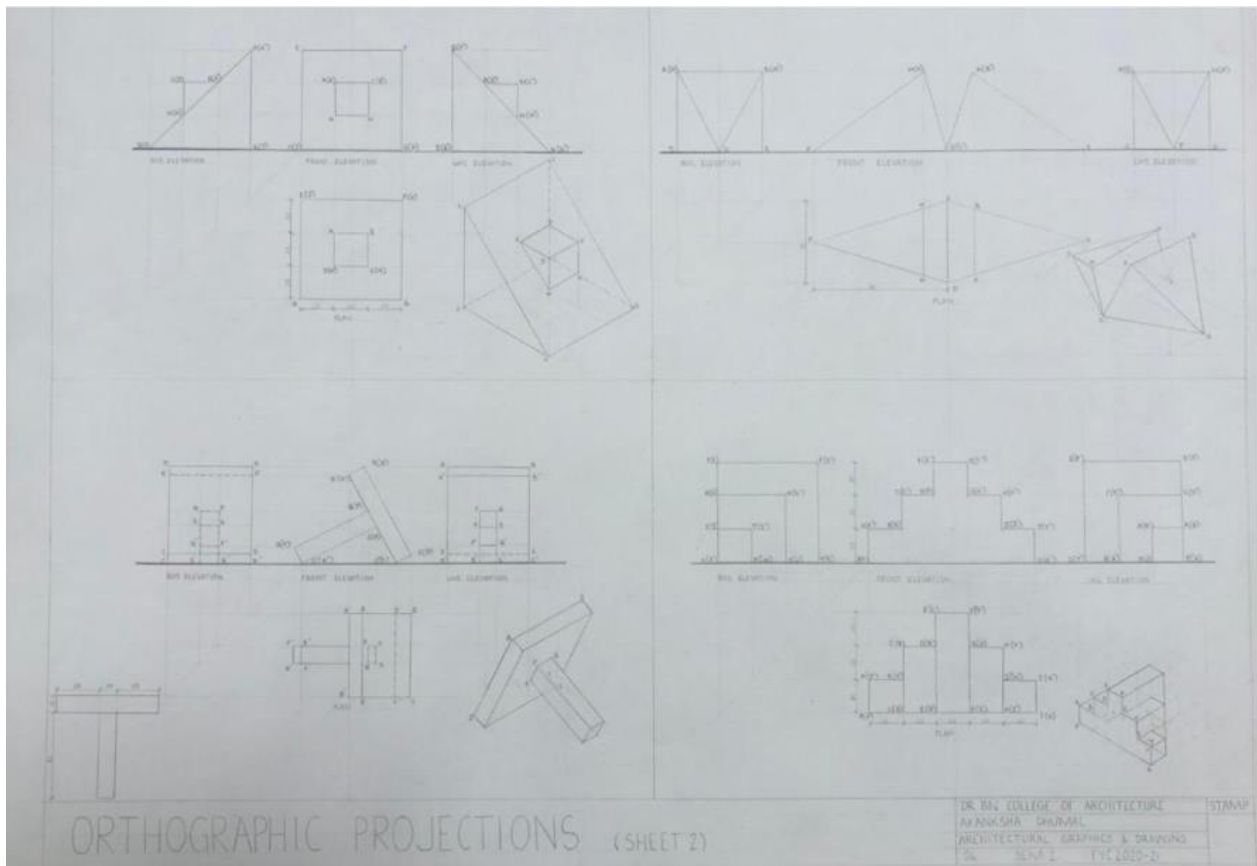
- Complete format with nameplate and dark border line. (Every sheet shall have 2 objects and 1 building element.)

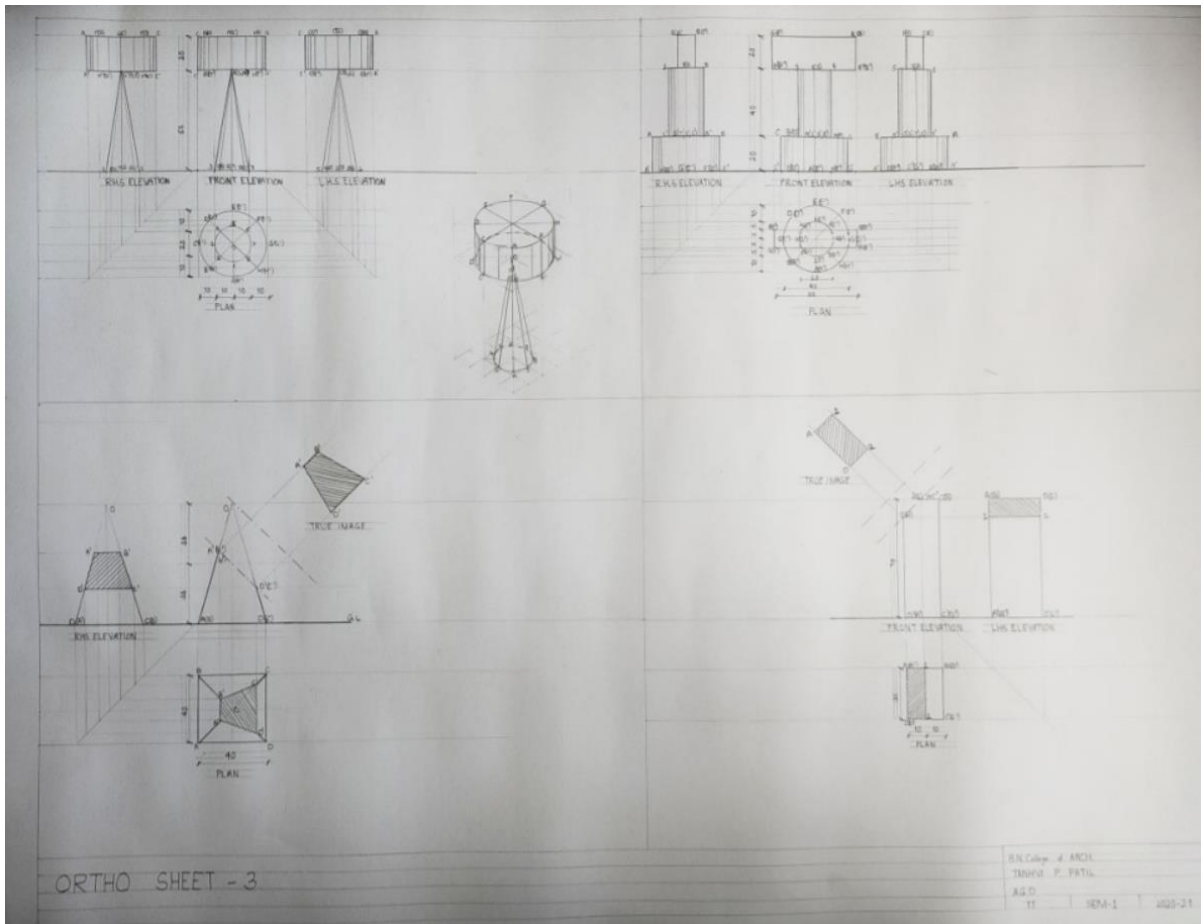
BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
All views together are not composed well.	Sheet not composed fitting all views together using different scales.	Clean sheet and clean composition with fitting all views together at varied scales.	Clean sheet and clean composition with fitting all views together at varied scales.
Guidelines and projection lines missing.	No clear guidelines for formation of object and projection lines.	Clear guidelines for formation of object and projection lines.	Clear guidelines for formation of object and projection lines.
Poor line quality and line tone.	No uniformity in line quality and minimal tonal variation achieved.	Uniformity in line quality with correct tone and thickness as per conventions.	Uniformity in line quality with correct tone and thickness as per conventions.
Improper nomenclature of the object with legible lettering.	Improper nomenclature of the object with legible lettering.	Improper nomenclature of the object with legible lettering.	Proper nomenclature of the object with legible lettering.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

Deliverable : 3 nos. A1 sheet.



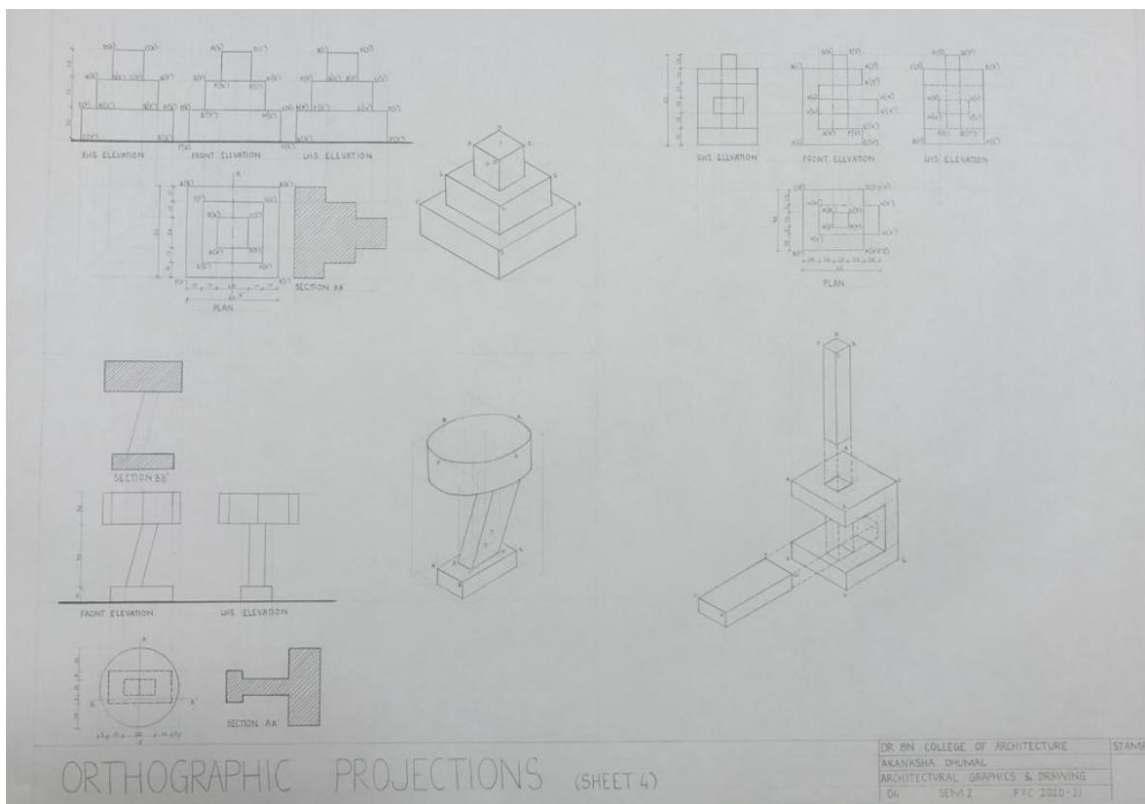
Sample :





ORTHO SHEET - 3

DR. B.N. COLLEGE OF ARCHITECTURE
 ANAKAPPAH, P. PATTIL
 A.S.D.
 II SEM-1 2020-21



ORTHOGONAL PROJECTIONS (SHEET 4)

DR. B.N. COLLEGE OF ARCHITECTURE
 ANAKAPPAH, P. PATTIL
 ARCHITECTURAL GRAPHICS & DRAWING
 06 SEM-2 FYC 2020-21

Objective:

Enable students to prepare an entire set of architectural drawings for a small building. Apply knowledge from all previous sessions in one sheet as a culmination drawings.

Task: Reproduce the given set of drawings as is with –

1. Proper line quality – uniformity and consistency in tone and thickness
2. Proper annotations and conventions
3. Proper lettering and nomenclature

Assessment Rubric:

Mandatory requirements - 100% completion of sheet with faculty studio sign.

- Complete format with nameplate and dark border line.

BEGINNING	DEVELOPMENT	ACCOMPLISHED	COMPETENT
All views together are not composed well.	Sheet not composed fitting all views together using different scales.	Clean sheet and clean composition with fitting all views together at varied scales.	Clean sheet and clean composition with fitting all views together at varied scales.
Guidelines and projection lines missing.	No clear guidelines for formation of object and projection lines.	Clear guidelines for formation of object and projection lines.	Clear guidelines for formation of object and projection lines.
Poor line quality and line tone.	No uniformity in line quality and minimal tonal variation achieved.	Uniformity in line quality with correct tone and thickness as per conventions.	Uniformity in line quality with correct tone and thickness as per conventions.
Improper nomenclature of the object with legible lettering.	Improper nomenclature of the object with legible lettering.	Improper nomenclature of the object with legible lettering.	Proper nomenclature of the object with legible lettering.
D/E grade	B/C grade	A grade	O grade
45 – 60 marks	61 – 80 marks	81 – 90 marks	91 – 100 marks

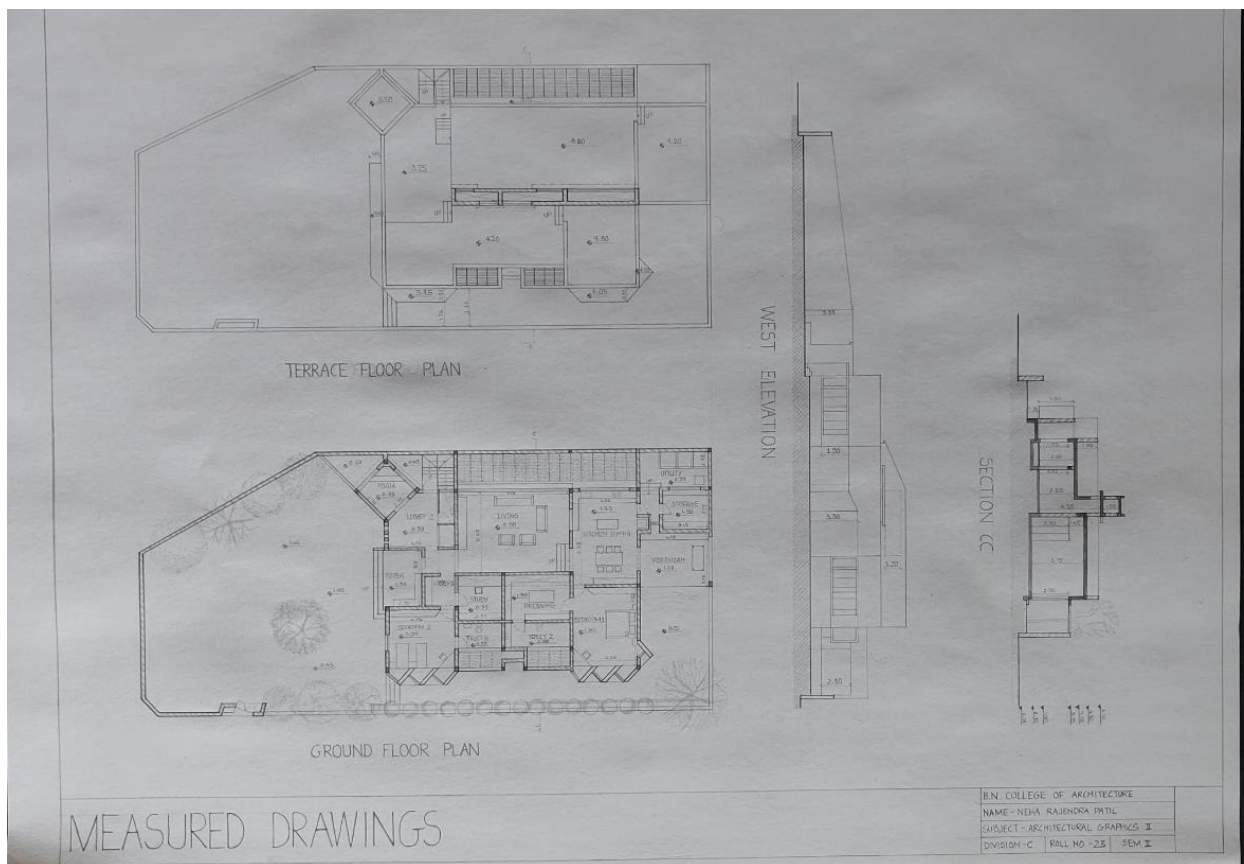
Deliverable : 2 no. A1 sheet.

Follow-up Task:

Revisit Karve Samadhi in order to understand a building through a set of drawings as well as in reality.

Material needed :

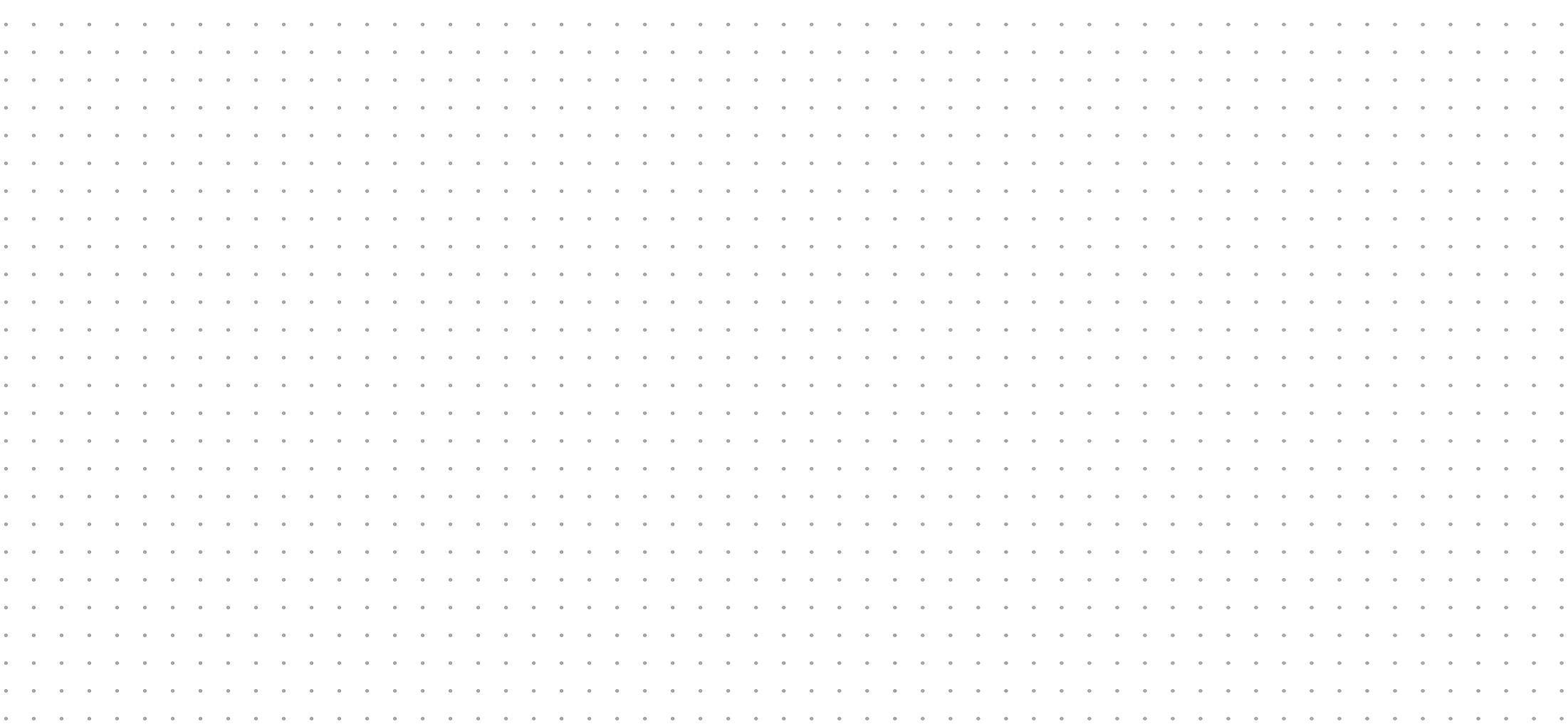
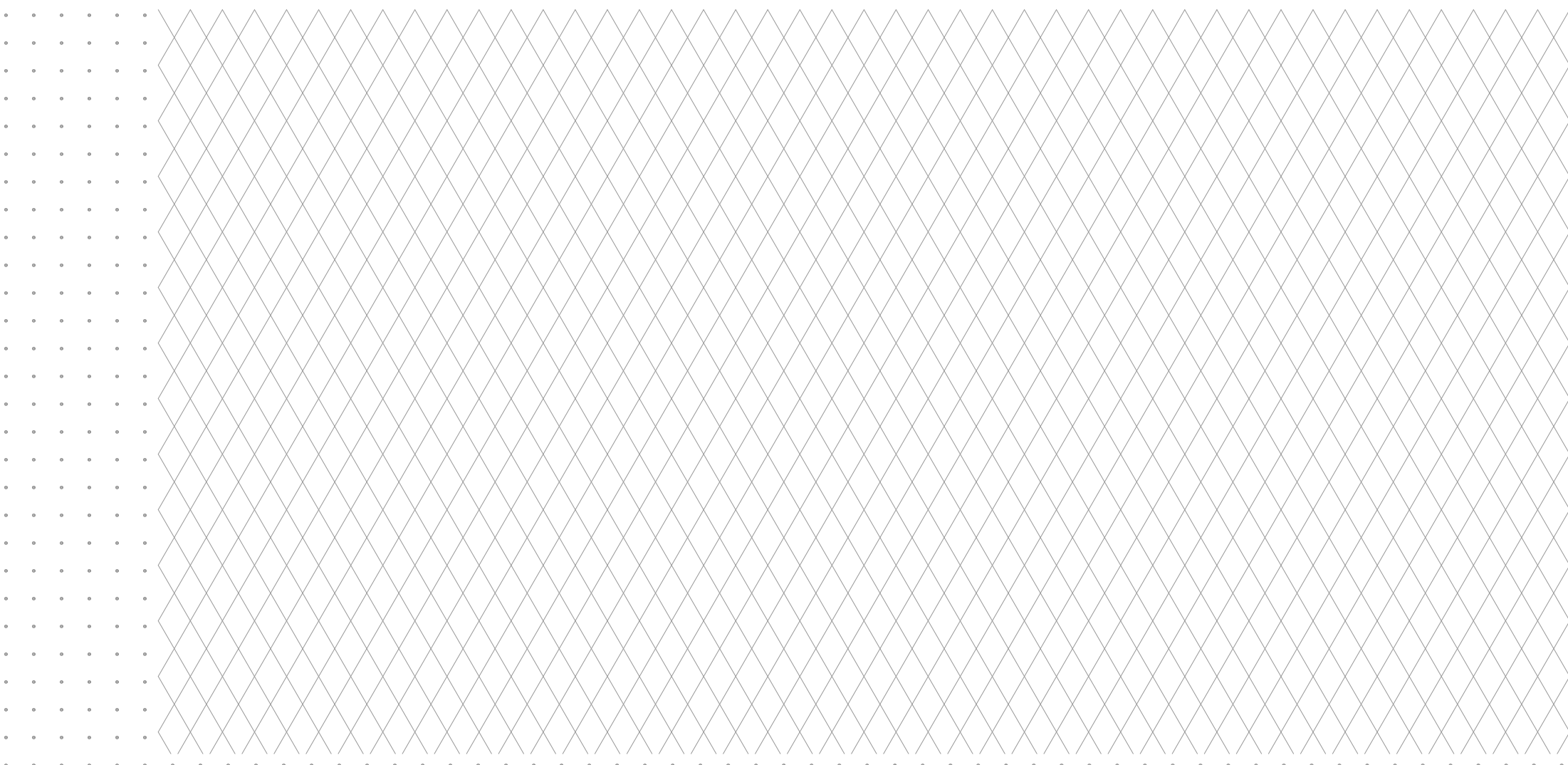
Sample:

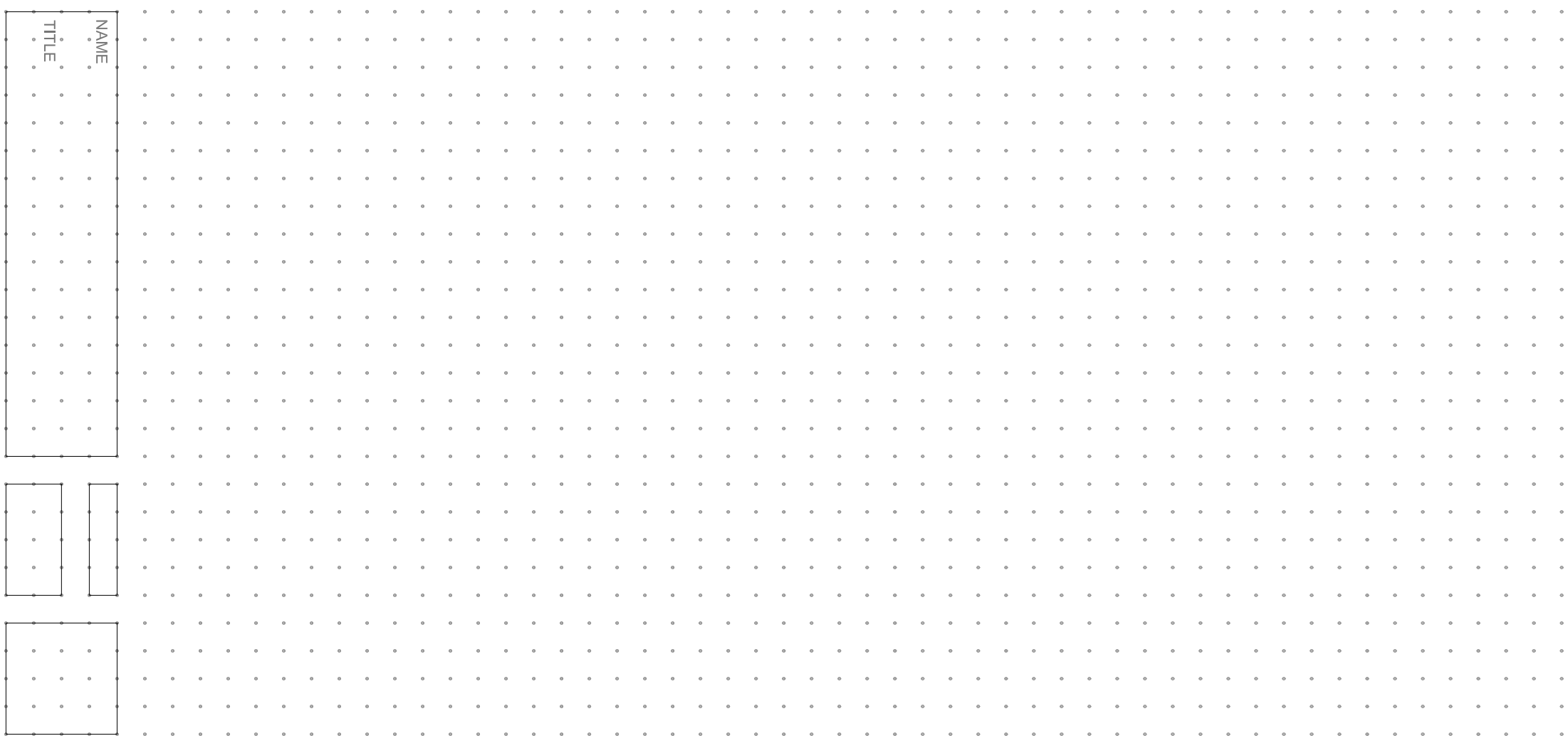
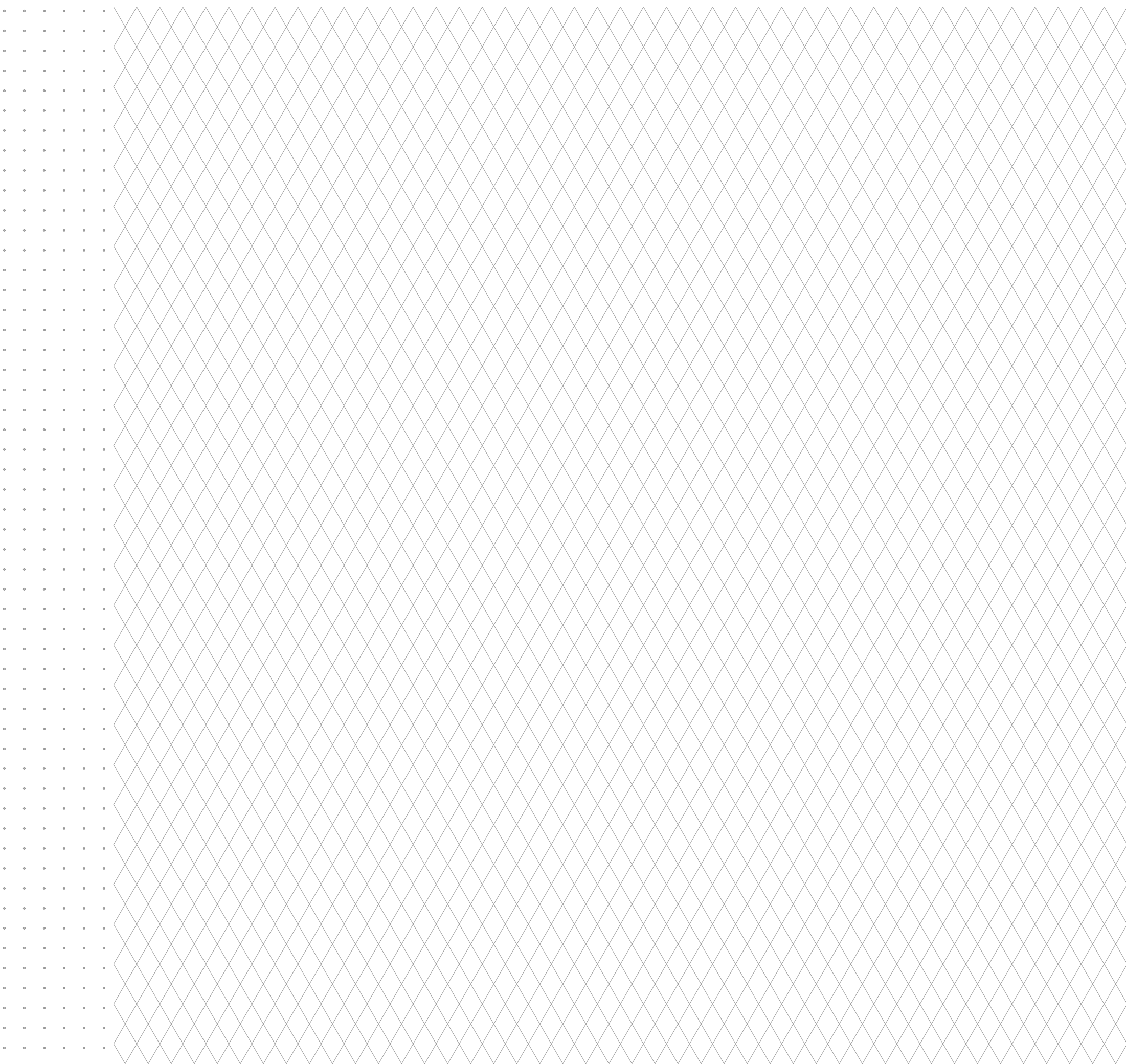


NAME
TITLE

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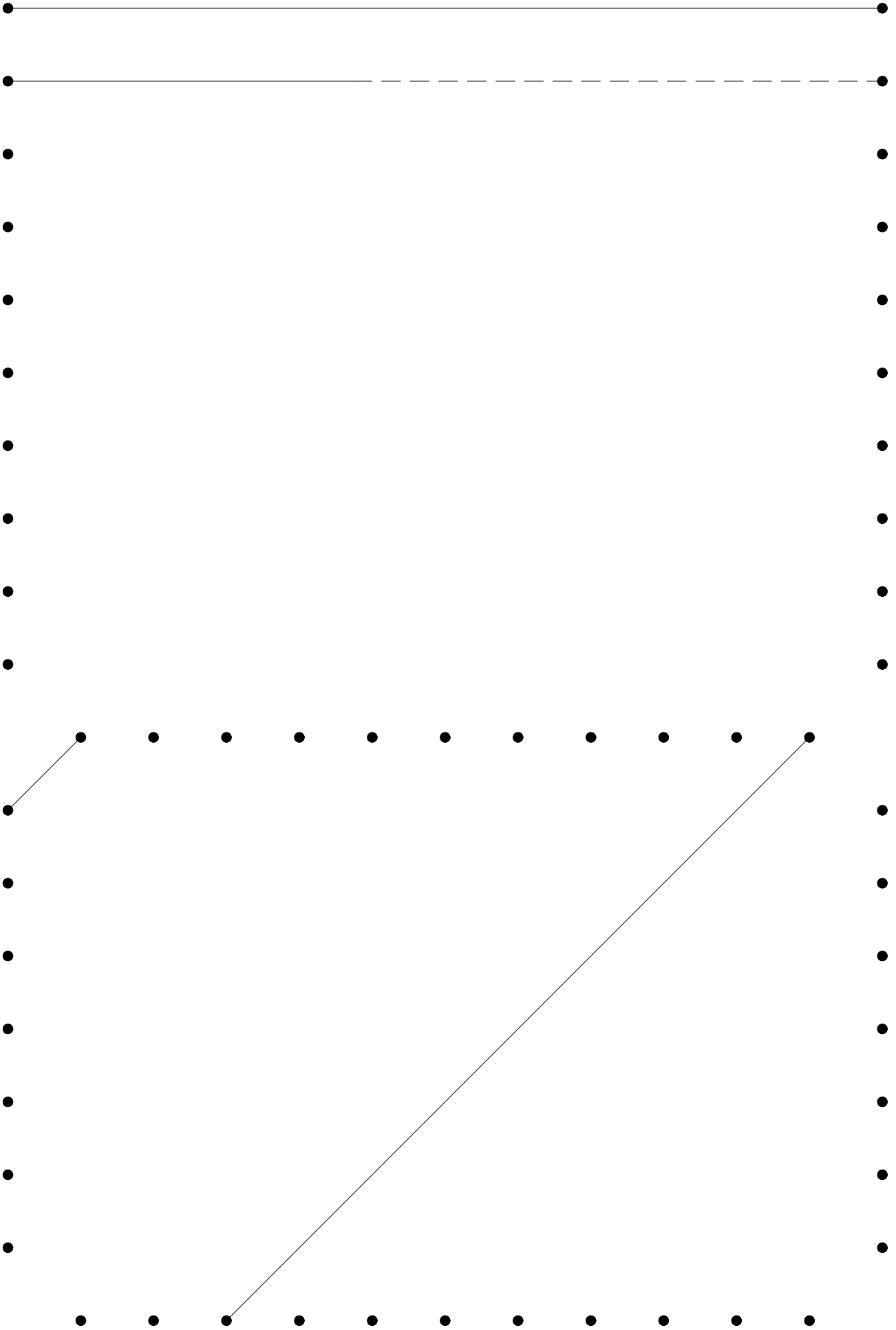
B N C A
SKETCHING WORK BOOK

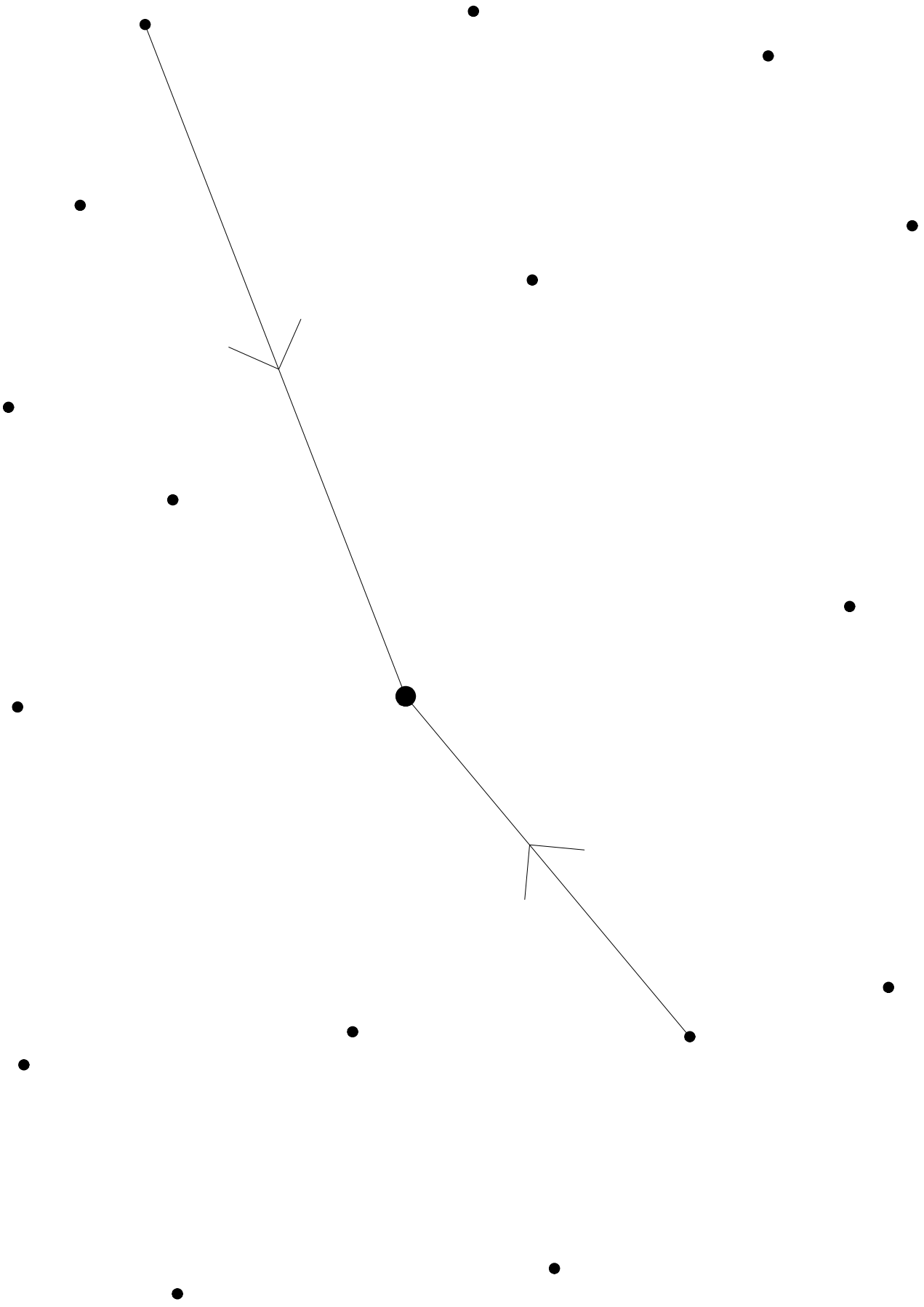
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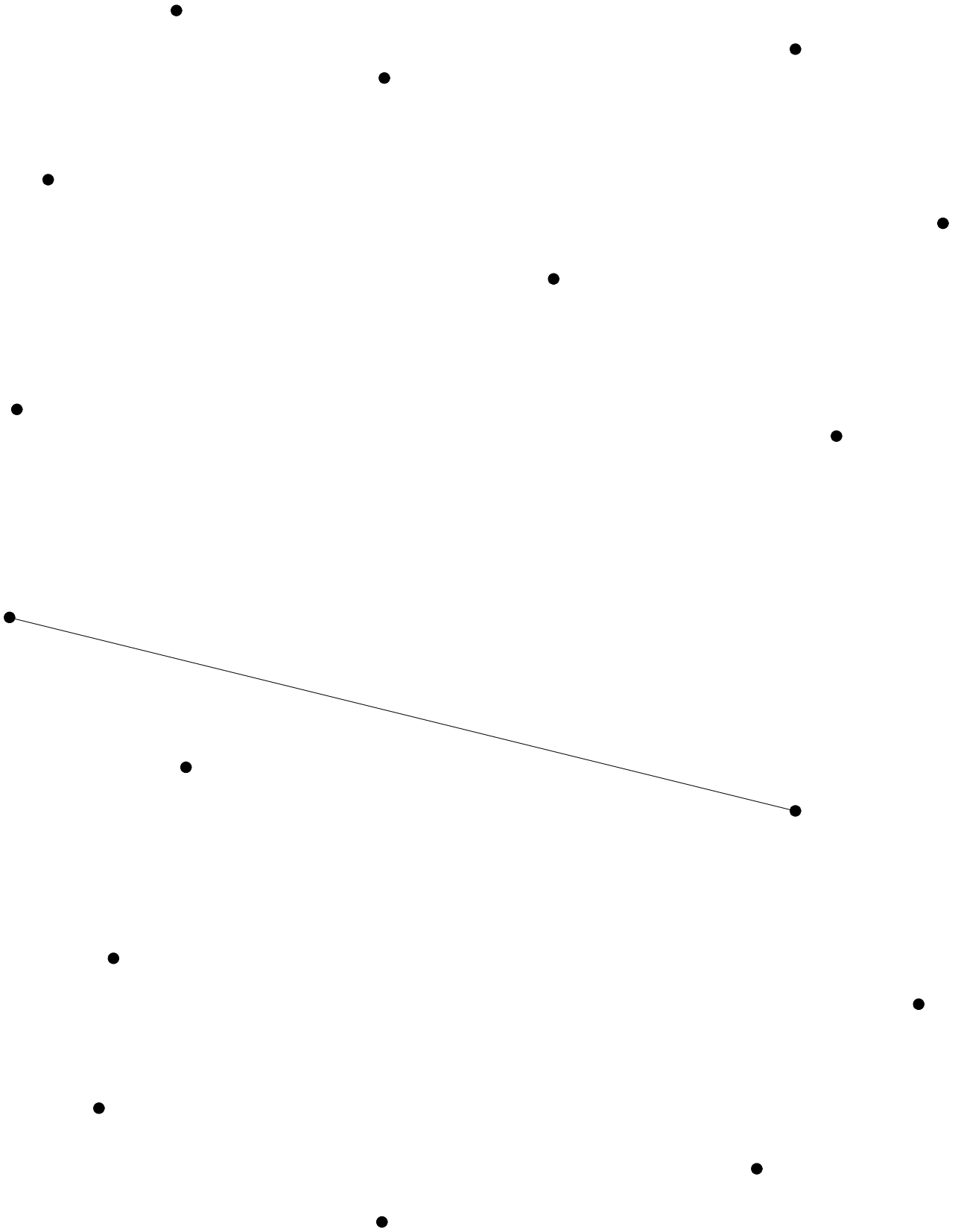
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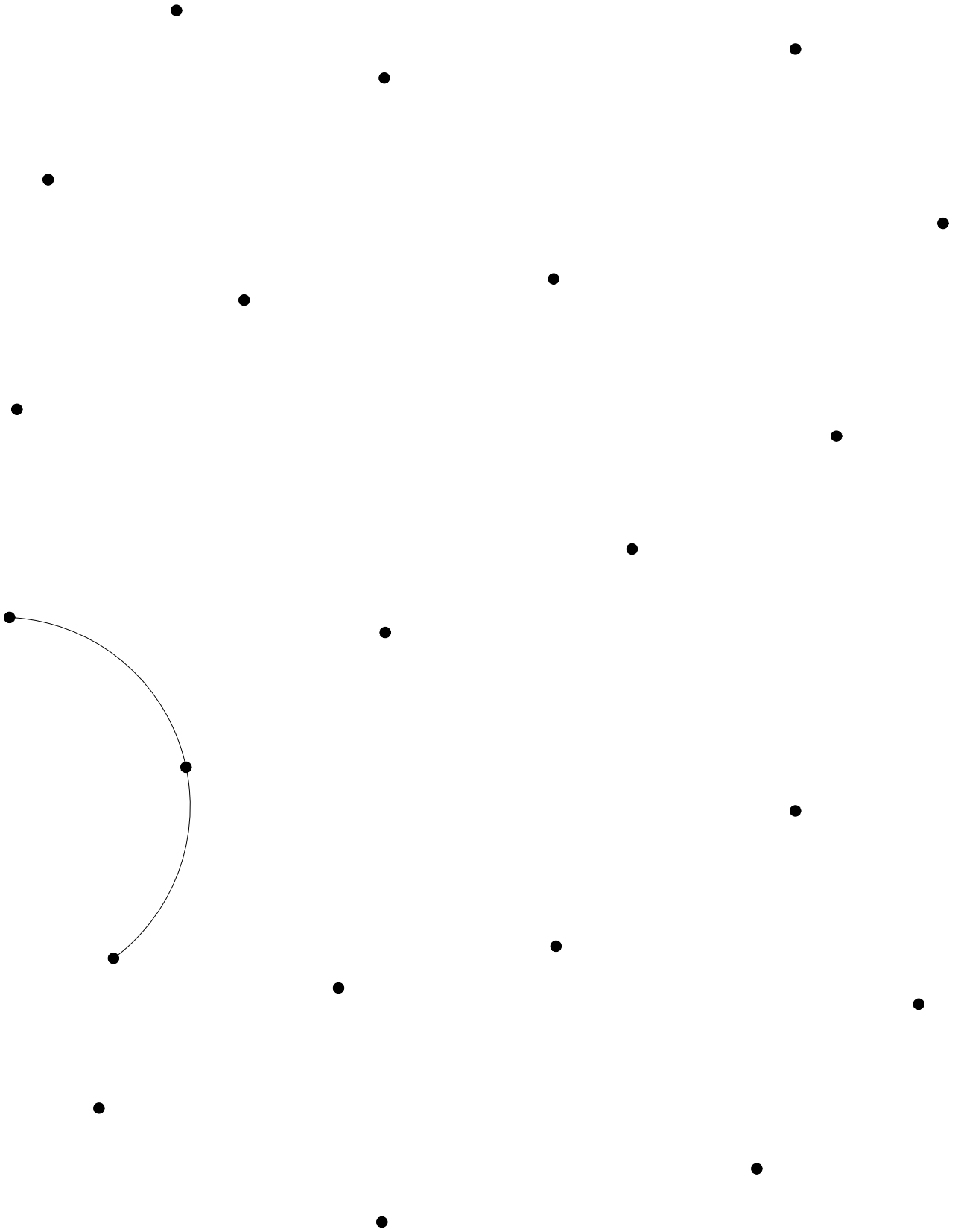
SIGN - STAMP





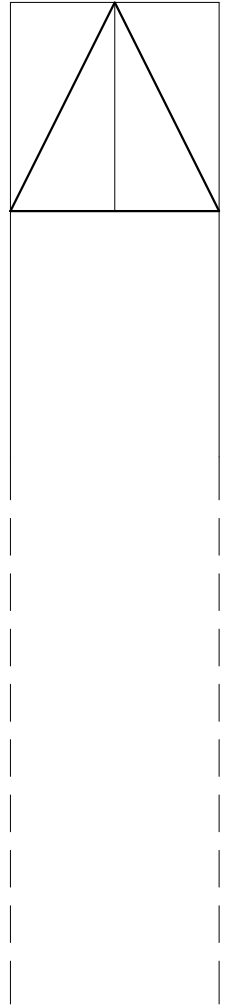
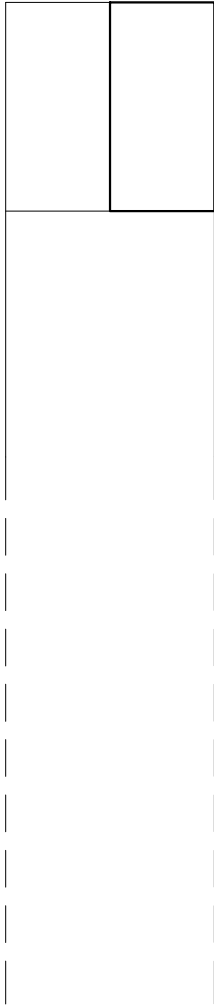
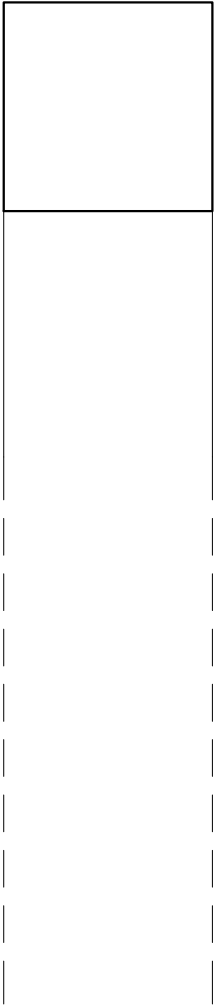


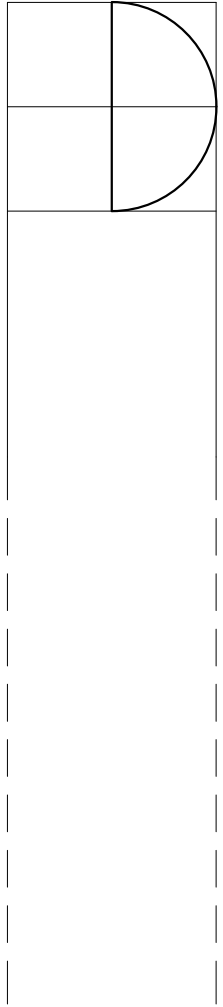
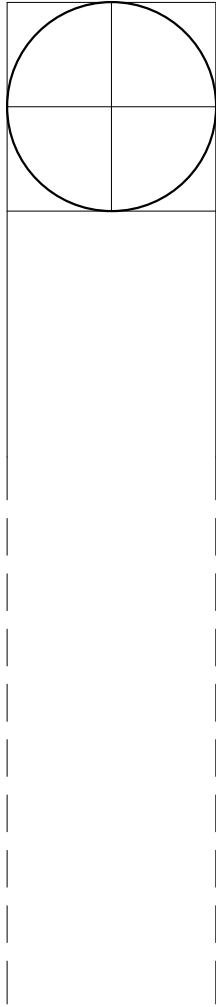
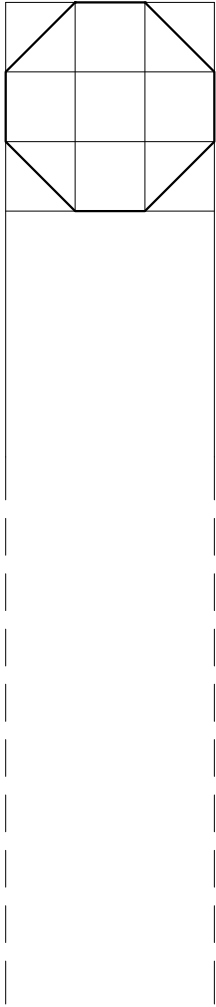
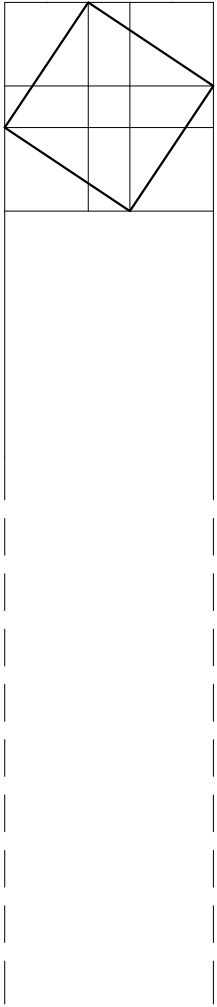




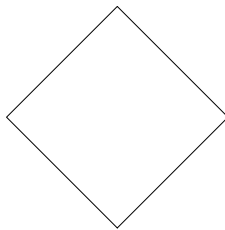
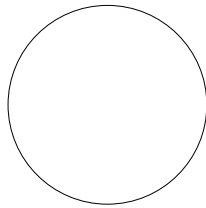
DRAW SPIRALS WITH ARMS AS CLOSELY PLACED AS POSSIBLE.
START FROM CENTRE AND DRAW OUTSIDE

DRAW SPIRALS WITH ARMS AS CLOSELY PLACED AS POSSIBLE.
START FROM OUTSIDE AND DRAW TO THE CENTRE

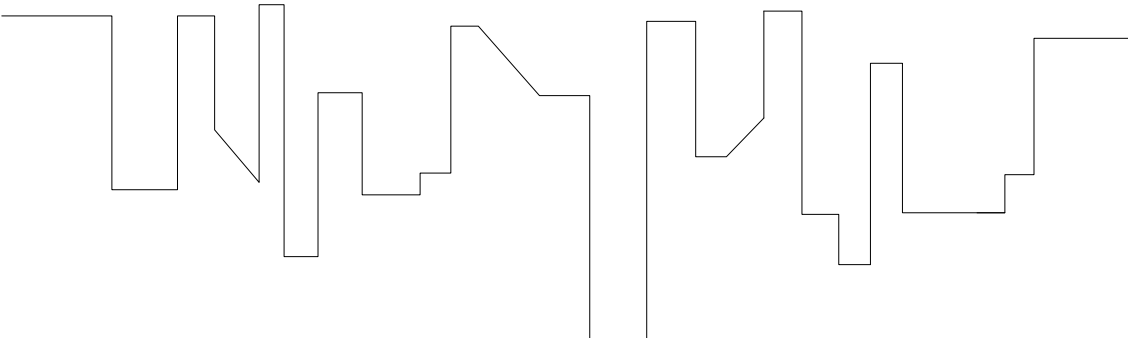
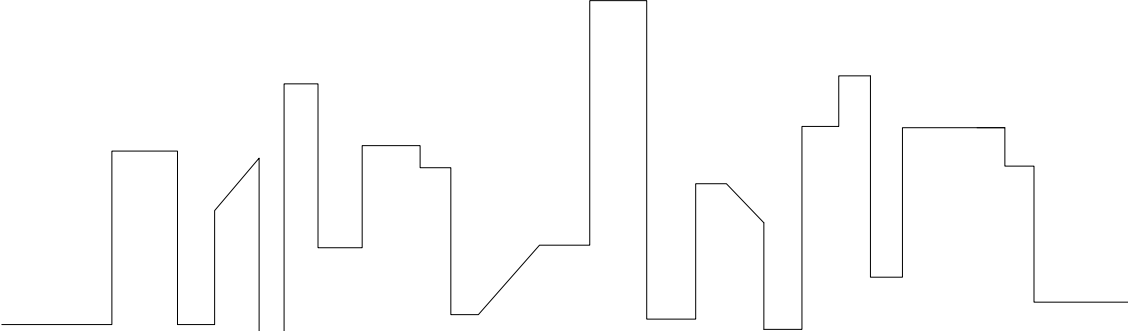




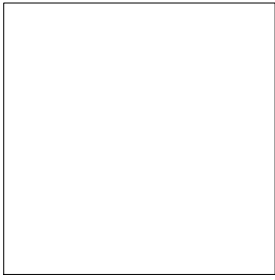
DRAW LINES RESPONDING TO THE SHAPES. IMAGINE THE SHAPES TO BE DISTURBANCES
IN THE FLOW OF LINES



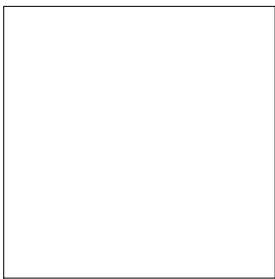
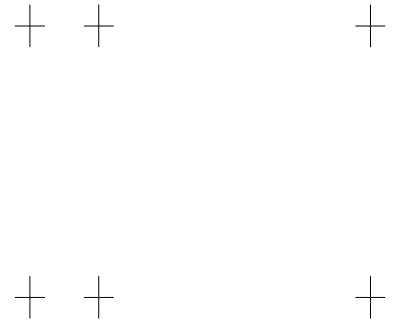
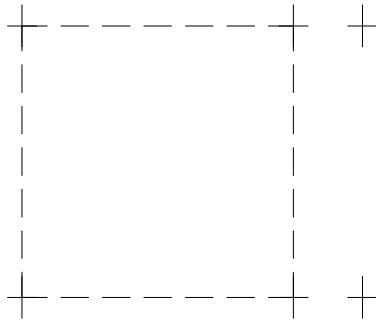
RENDER THE IMAGINARY SKYLINE AND
ITS REFLECTION BELOW USING THE
SHAPES AND LINETYPES THAT YOU HAVE
PRACTICED



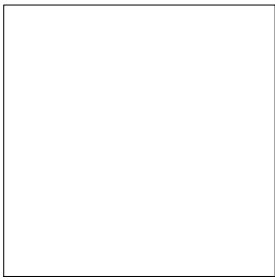
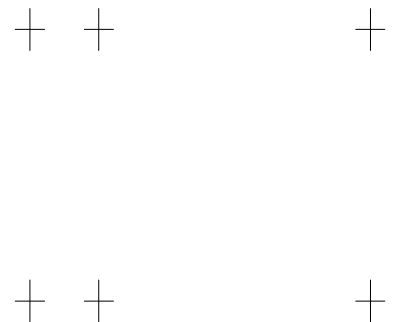
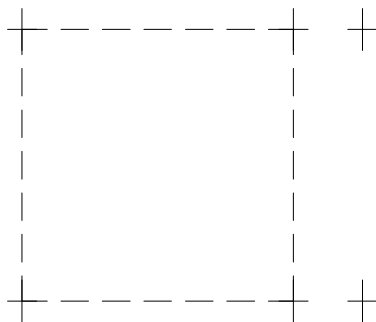
SKETCH IMAGINARY SKYLINE OF A CITY
USING THE SHAPES AND LINETYPES
THAT YOU HAVE PRACTICED



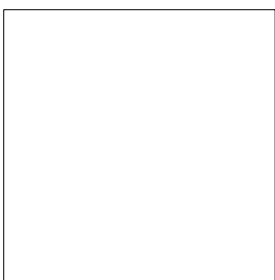
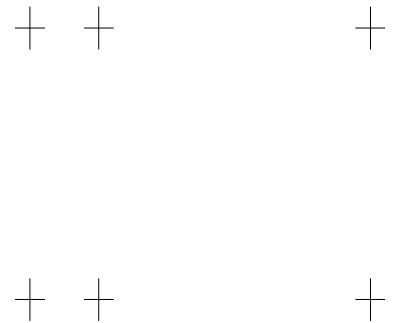
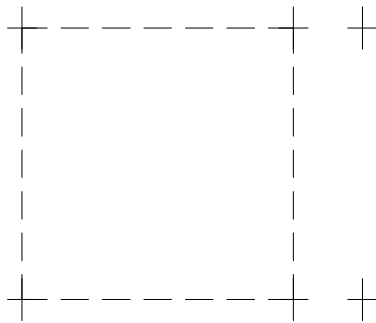
HATCHING



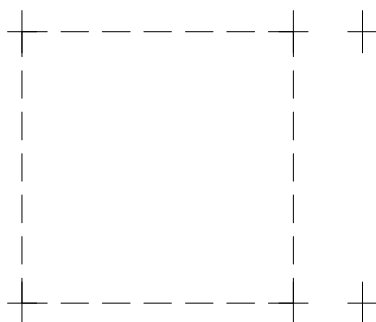
**CROSS
HATCHING**



SCRIBBLING

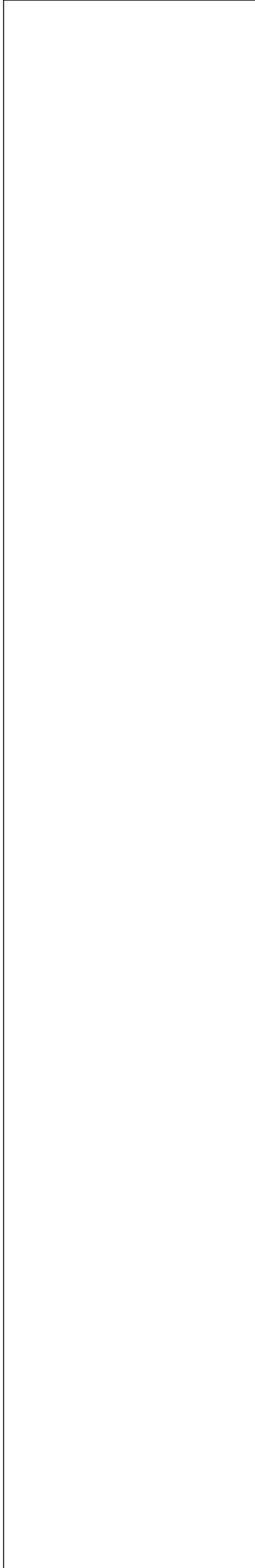


STIPPLING

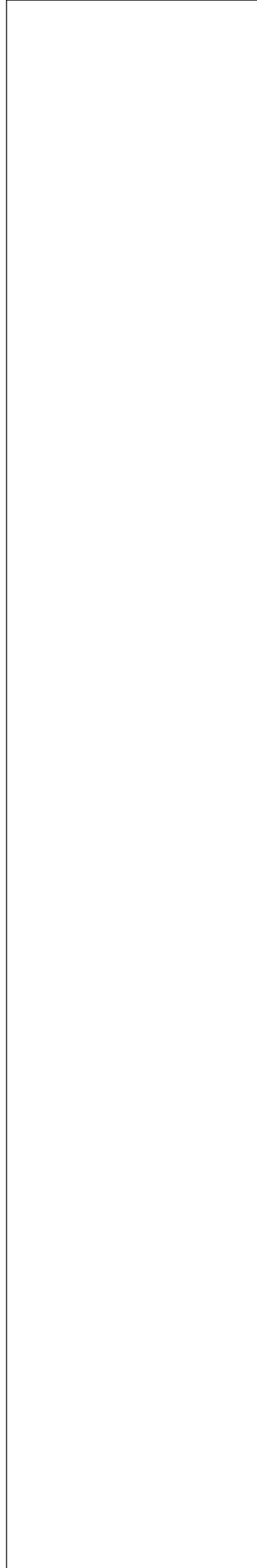


USE A 0.2 PEN AND FILL THE COLUMN
WITH TONAL VALUES FROM DARKEST TO
LIGHTEST

*CROSS
HATCHING*

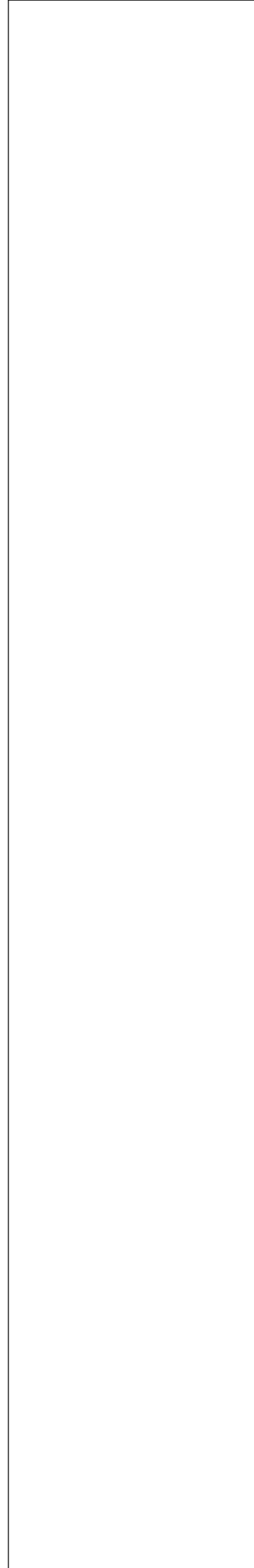


STIPPLING

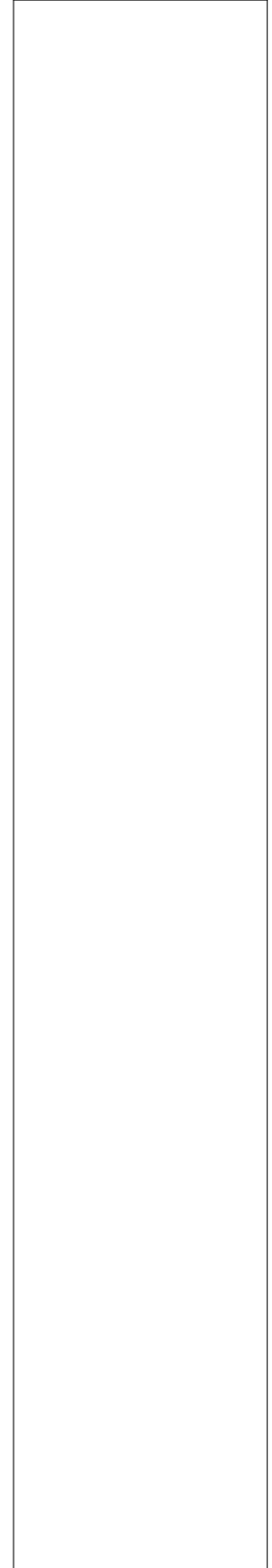


USE A 2B PENCIL AND FILL THE COLUMN
WITH TONAL VALUES FROM DARKEST TO
LIGHTEST

*CROSS
HATCHING*

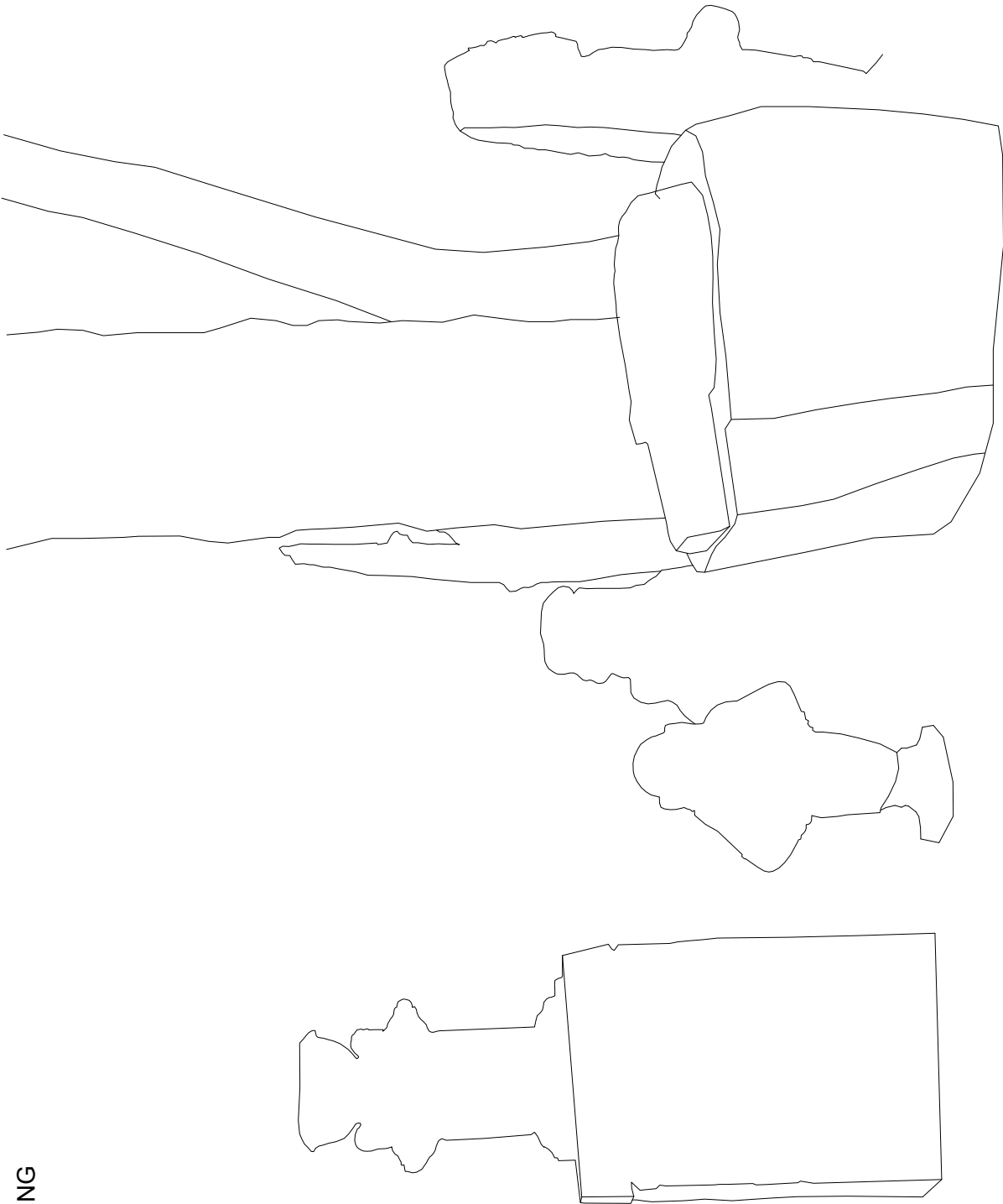


STIPPLING

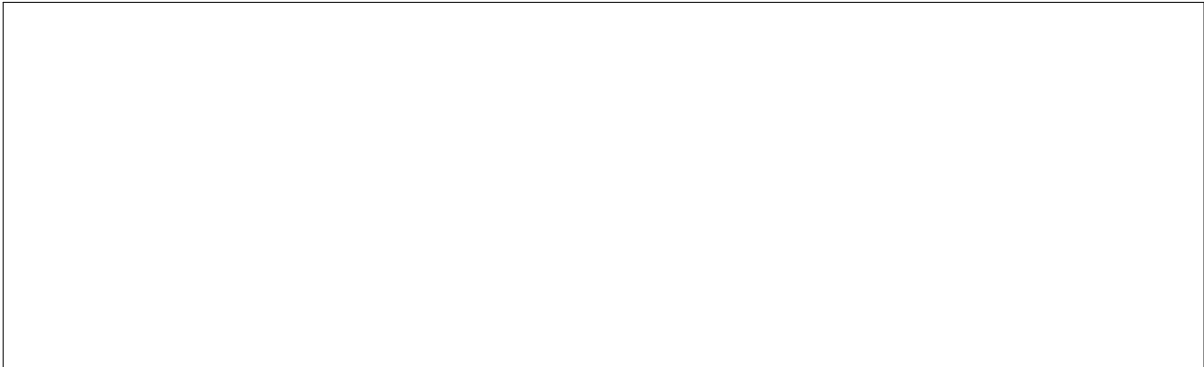
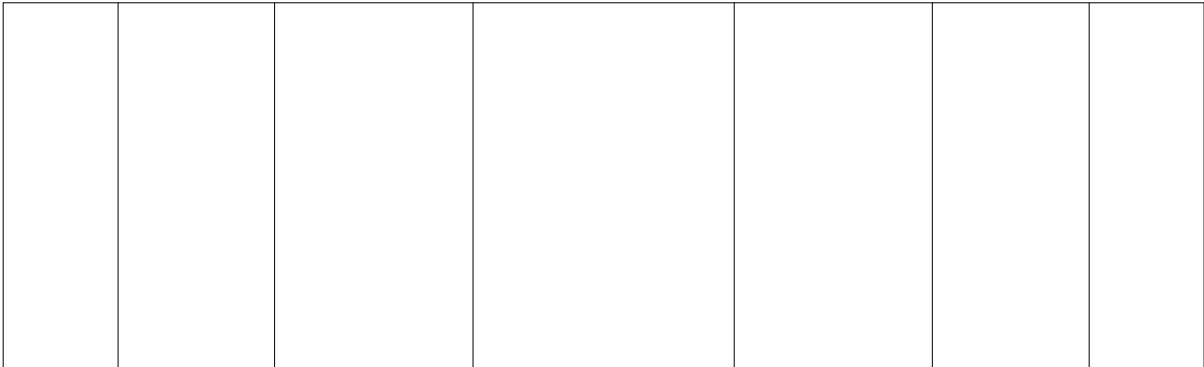
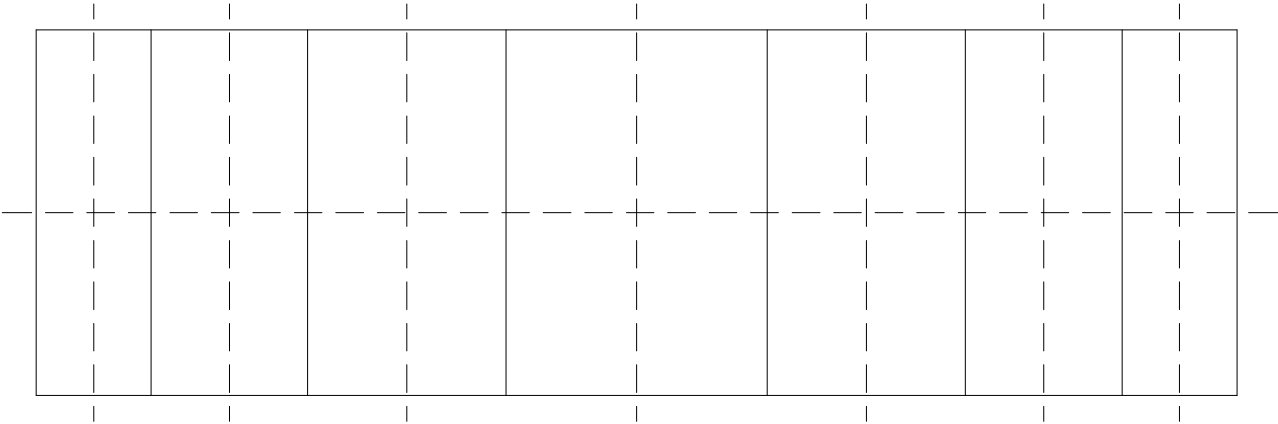
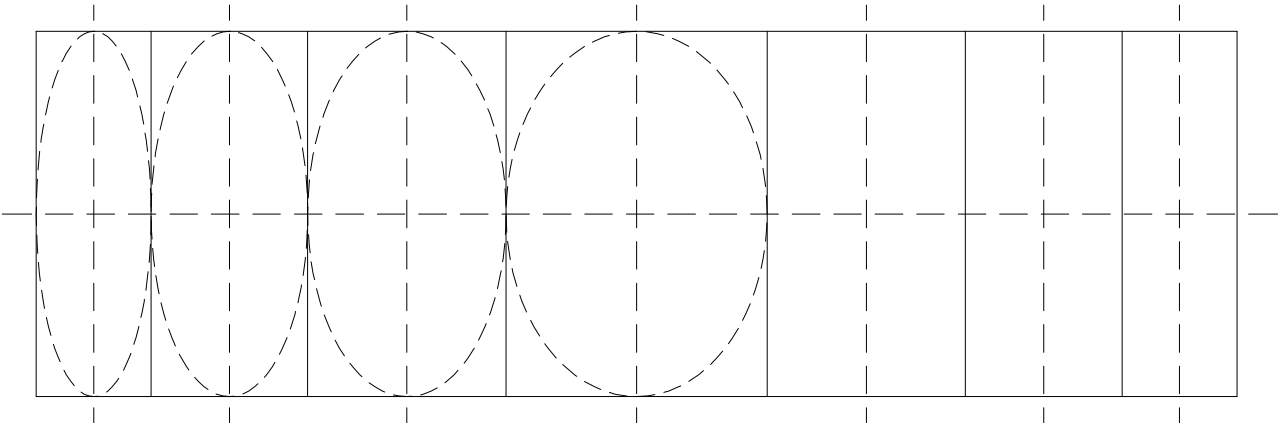




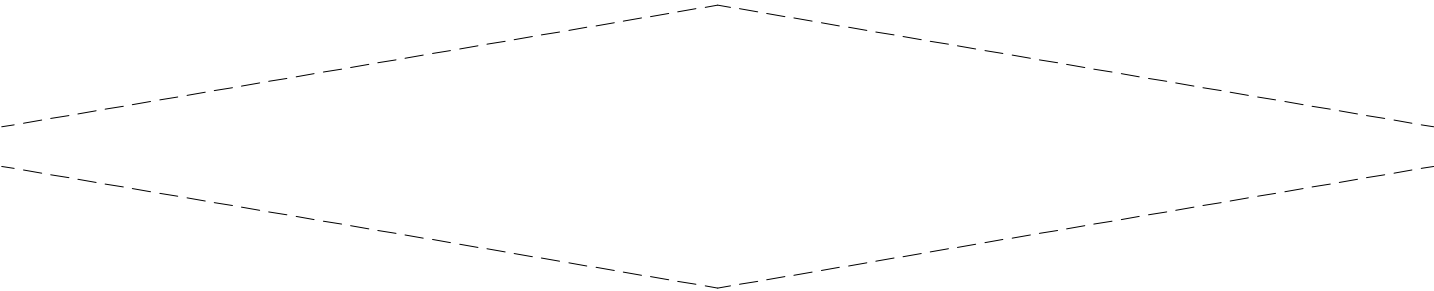
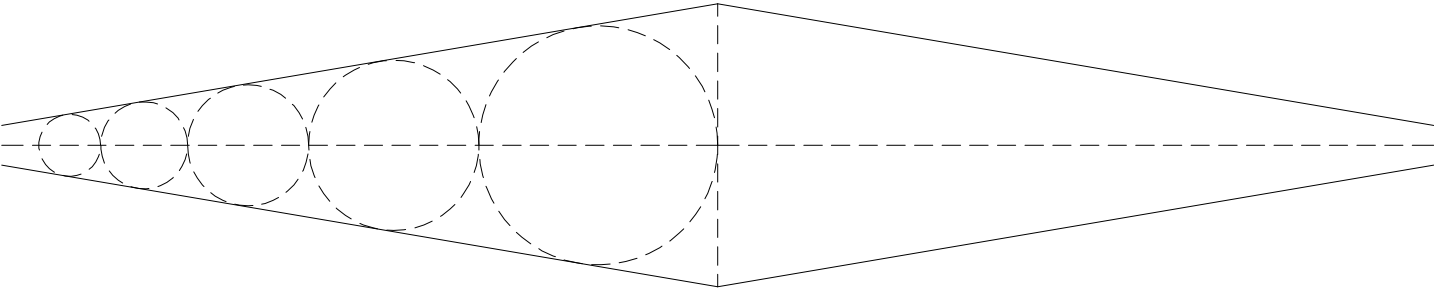
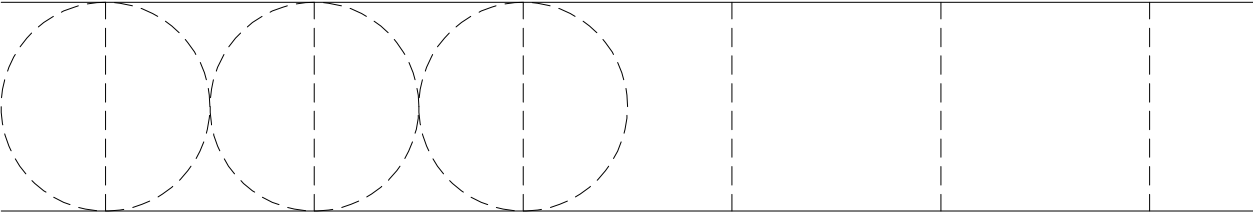
RENDER THE DRAWING
AS PER THE
PHOTOGRAPH



DRAW ELLIPSES IN THE RECTANGLES

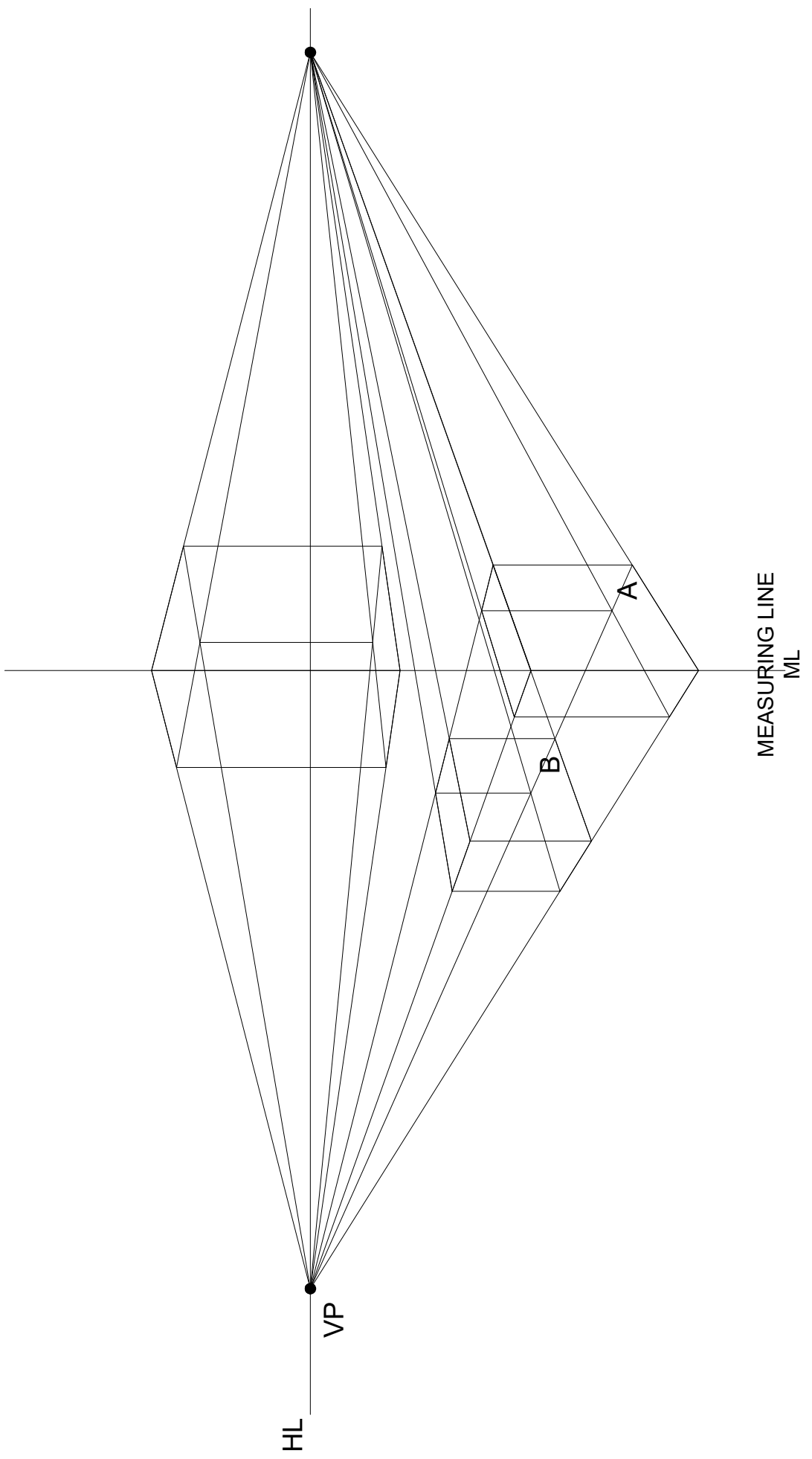


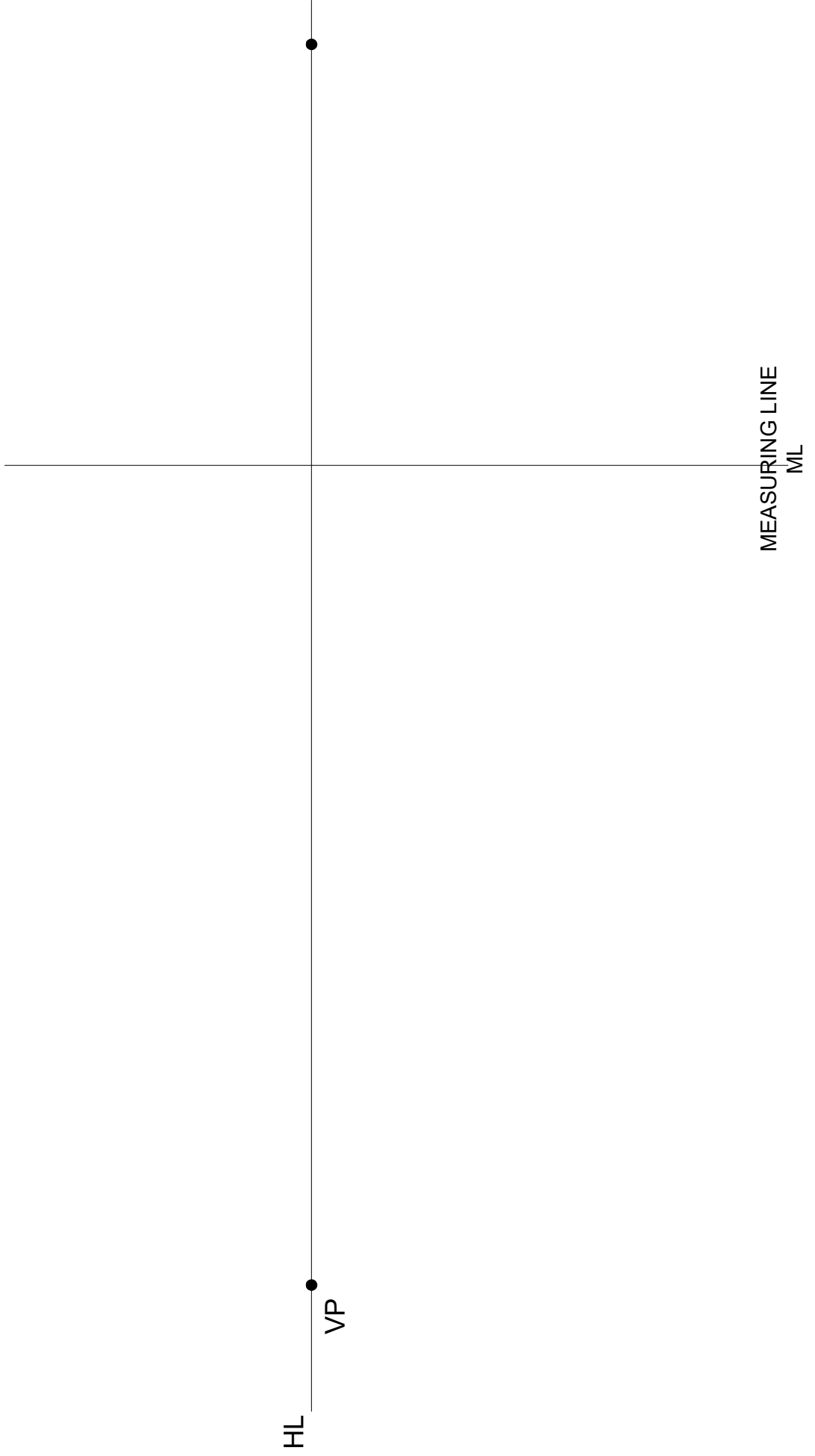
DRAW CIRCLES BETWEEN THE LINES



DRAW ANY OBJECT AROUND YOU. WHILE DRAWING LOOK AT THE OBJECT AND NOT AT THE PAPER. LET THE EYE TRACE THE OBJECTS LINES AND LET YOU HAND FOLLOW ON PAPER

WHAT IF NO FACE OF THE BOX IS PERPENDICULAR TO YOU?
A 2 POINT PERSPECTIVE IS NEEDED. DRAW BOXES OF VARIOUS SIZES.
CAN YOU COMPARE L, W AND H OF BOXES A AND B?
WHAT IF A BOX IS FULLY ABOVE THE HORIZON LINE?



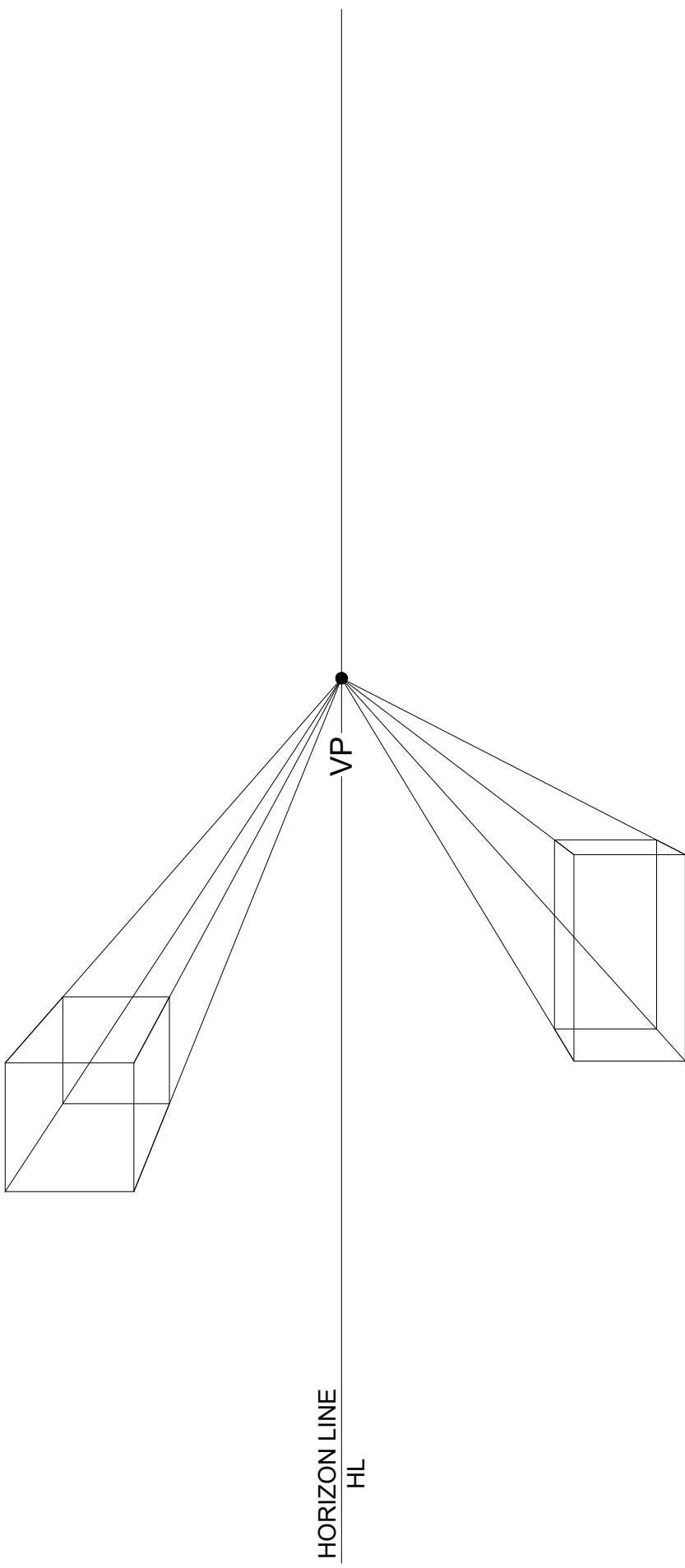


HAVE FUN DRAWING BOXES OF VARIOUS SIZES. MAKE SURE YOU DRAW THE EDGES OF THE BOXES NOT SEEN!

WHAT IF THE BOX IS ON THE HL?

WHAT IF THE BOX IS HALF BELOW AND HALF ABOVE THE HL?

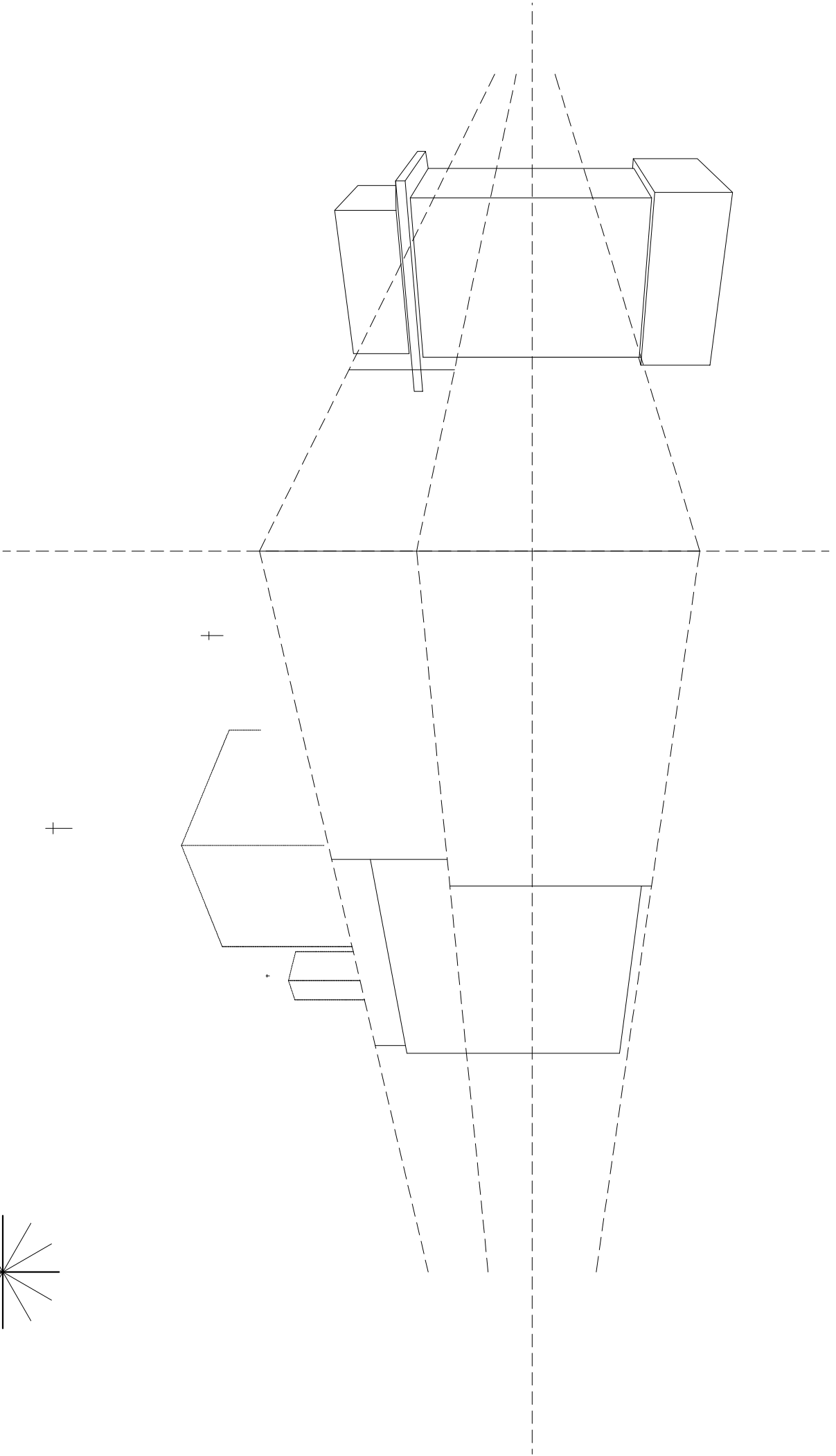
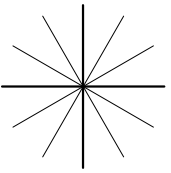
CAN YOU DRAW A CUBE? A CYLINDER? A CONE?



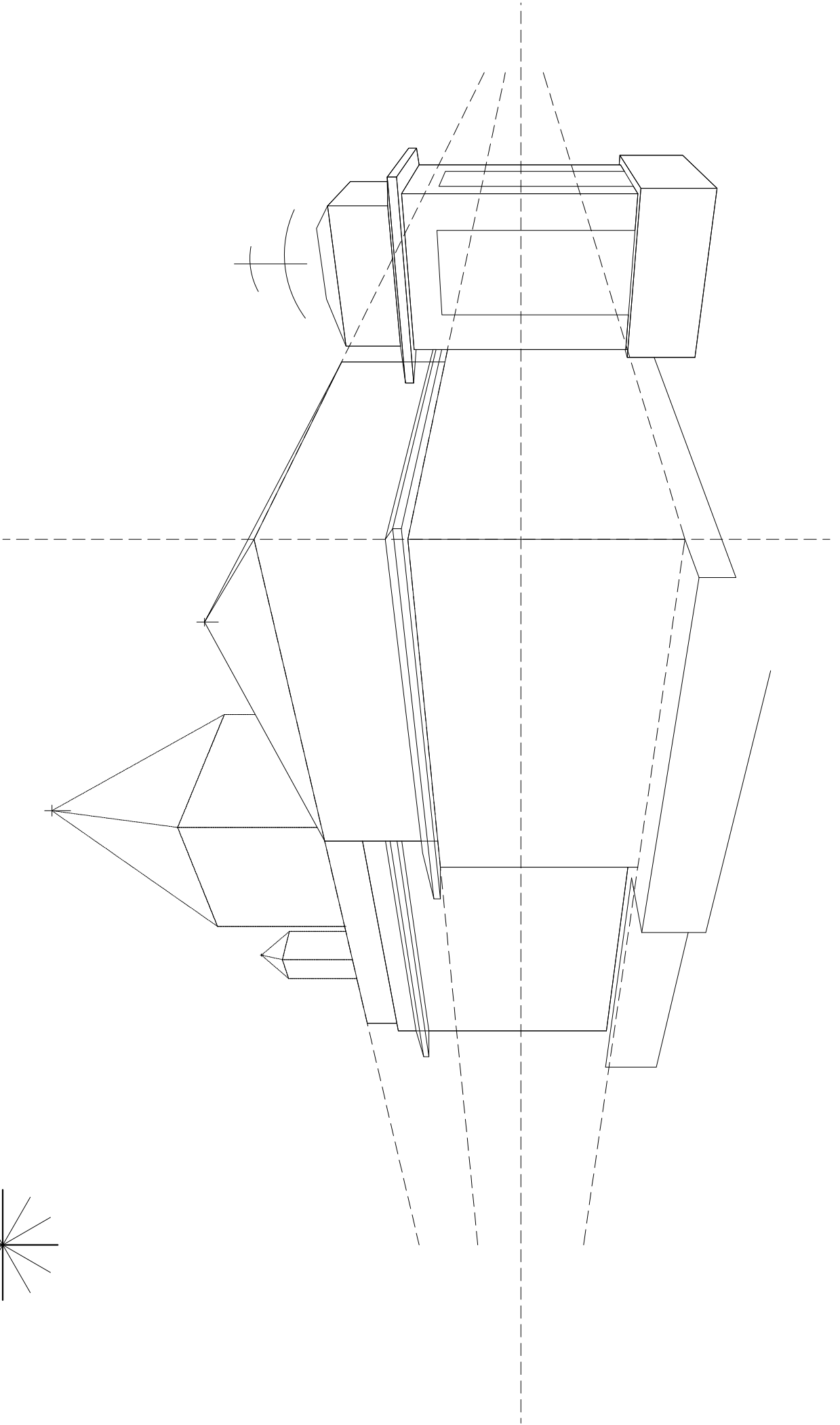
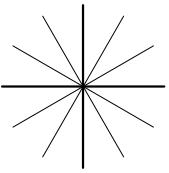


कृष्णा घाट
नदी, वडुशी

COMPLETE THE SKETCH
AS PER THE
PHOTOGRAPH



COMPLETE THE SKETCH
AS PER THE
PHOTOGRAPH



COMPLETE THE SKETCH
AS PER THE
PHOTOGRAPH

