



Republic of the Philippines
Department of Education
National Capital Region
Schools Division Office – Muntinlupa City

SPECIAL PROGRAM IN TECHNICAL VOCATIONAL EDUCATION (SPTVE)
TECHNICAL DRAFTING – GRADE 8
Q3 – W6

I. Topic: One-Point Perspective Drawing

II. Objectives:

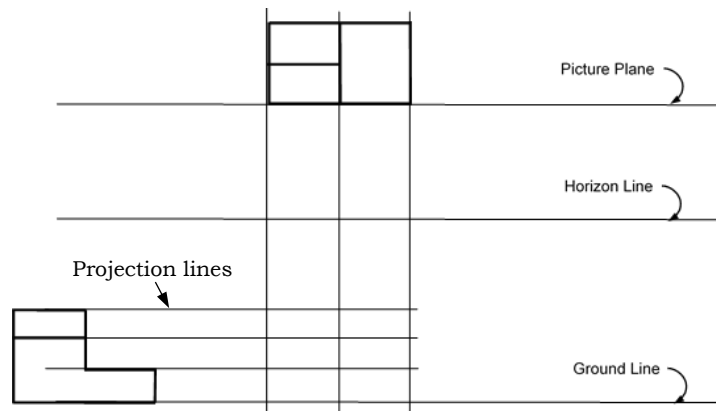
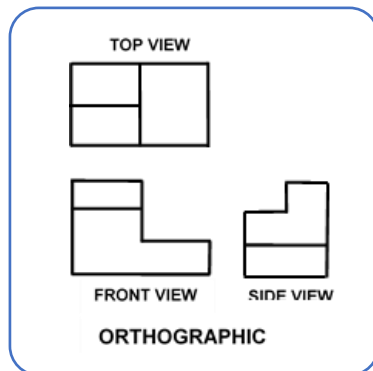
1. familiarized with the terms used in perspective drawings;
2. interpret blueprint reading; and
3. construct parallel or one-point perspective (mechanical method).

III. Introduction

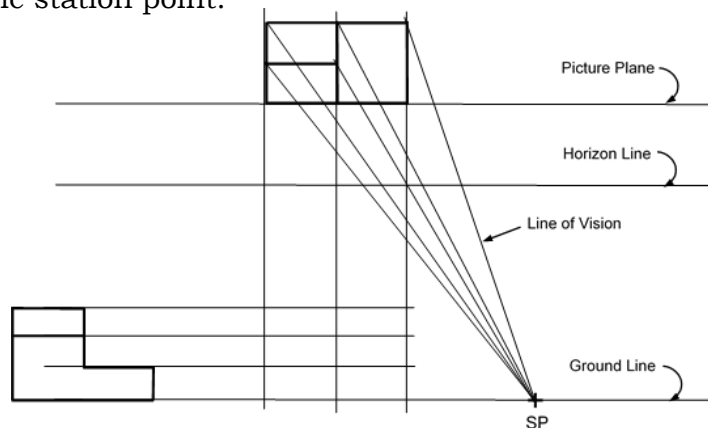
Mechanical perspective is a kind of drawing which is suggested for beginners. Although it is complicated to see, it can help you to show your drawing proportionately. Once you understand the process, you may enjoy doing it. All you need to is to have patience and enjoy the process. Good luck!

To Construct Parallel Perspective (Mechanical Method)

1. Draw three horizontal lines representing the picture plane, horizon ground line. In the picture, the plane draws the top and front view on the ground line. *See figure below.*



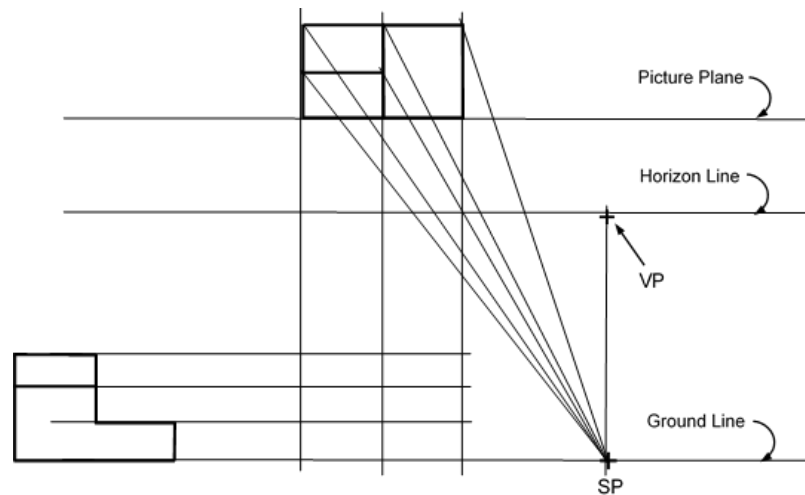
2. Locate station point (SP) on the ground line and project lines of vision from the corner of the top view to the station point.



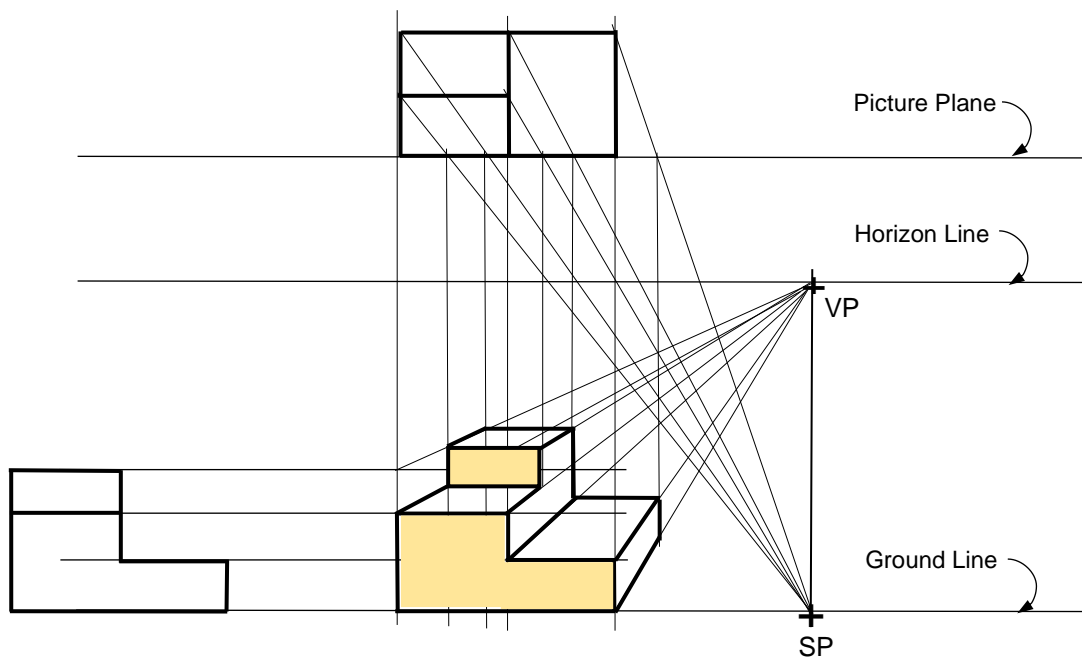


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3. Establish the vanishing point by projecting vertical lines from the station point.



4. Draw projectors to the vanishing point and from the piercing point, project vertical lines downward. Trace the visible edges and erase unnecessary lines. Add shade to add clarity to the drawing.

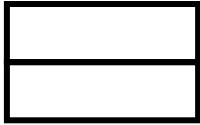

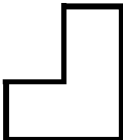





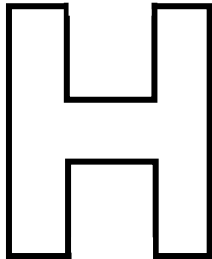
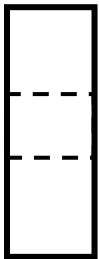
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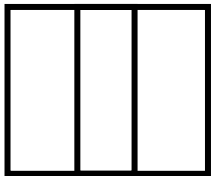
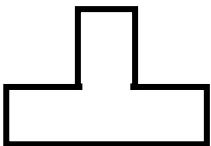
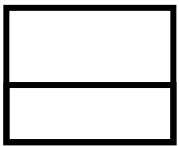
IV. Activities:

Activity 1 – Copy the orthographic then construct the 1-point perspective of the illustration below (mechanical method).

<p>Top View</p> 			
<p>Front View</p> 		<p>Side View</p> 	
<p>ORTHOGRAPHIC</p>			
STUDENT NAME	ONE-POINT PERSPECTIVE	DATE FINISHED	PLATE
SECTION:		TEACHER	1

Activity 2 and 3. Copy the orthographic, then draw the parallel perspective on Oslo paper. (Estimate the dimensions). Follow the title block format of activity 1.

<p>Top View</p> 		2
		
<p>Front View</p>		
		
<p>Side View</p>		
<p>ORTHOGRAPHIC</p>		

<p>Top View</p> 		3
		
<p>Front View</p>		
		
<p>Side View</p>		
<p>ORTHOGRAPHIC</p>		

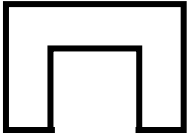
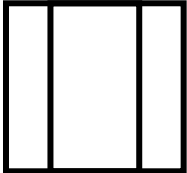
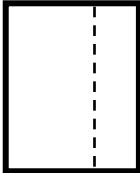




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V. Assessment:

Direction: Copy the orthographic, then draw the parallel perspective.

<p>Top View</p>  <p>Front View</p>  <p>Side View</p>  <p>ORTHOGRAPHIC</p>			
STUDENT NAME	ONE-POINT PERSPECTIVE	DATE FINISHED	PLATE
SECTION:		TEACHER	4

VI. Reflection:

Compare artist and mechanical perspective drawing.

1. Which do you think is easier for you to use, artist *method* or *mechanical* perspective method? Explain your answer? *5 points*

2. What actual object/s you can draw using parallel perspective? Choose one and show the sketch of that object. *5 points*

References:

- German M. Manaois. *Drafting 1 and 2* Phoenix Publishing:1983
- Norman Stirling. *Introduction to Technical Drawing* Delmar Publishing: 1977
- Competency-Based Learning Material, *Technical Drafting*
- Madsen, Shumaker, Turpin, Stark: *Engineering, Drawing, and Design*
- Internet: [Pinterest](#)

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