



FIGURE A  
SCALE 1 : 50

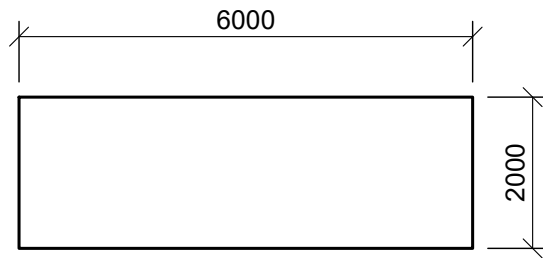


FIGURE B  
SCALE 1 : 100

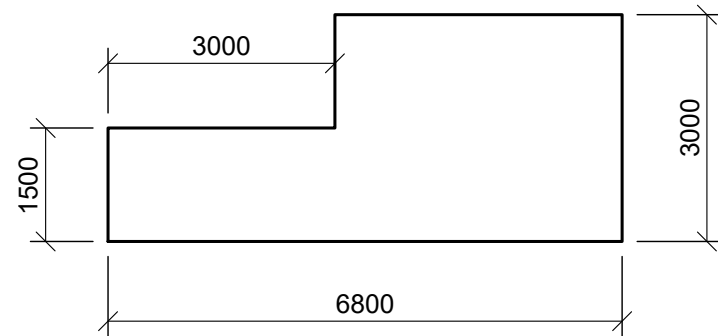


FIGURE C  
SCALE 1 : 50

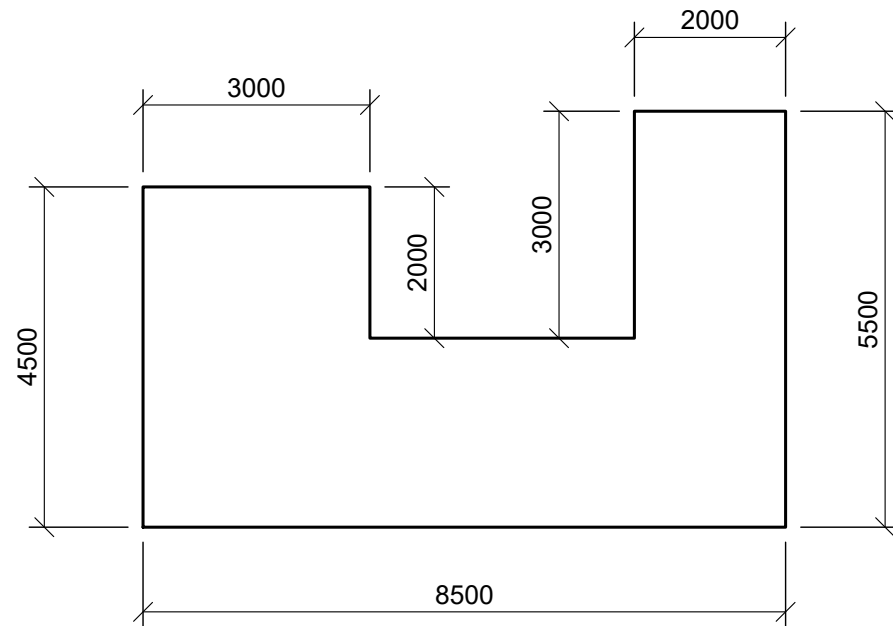
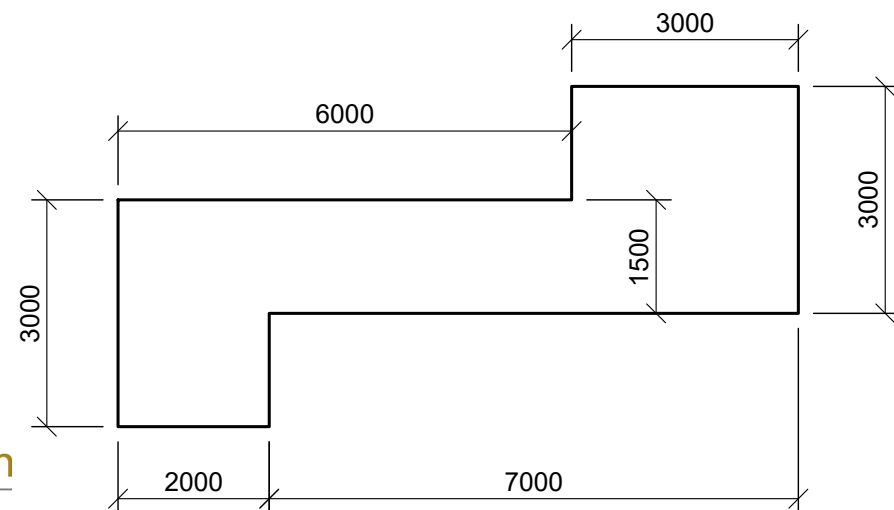


FIGURE D  
SCALE 1 : 50



**QUESTION 1: CIVIL ANALYTICAL**

**Given:** A table with questions. Figures A - D, showing building floor plans drawn at various scales.

**Instructions:** Answer all the questions on this page.

QUESTIONS		ANSWER	
1	Draw in the given answer column space, the SANS 10143 hatching detail of concrete used with foundation.	2	
2	Draw in the given answer column space, the SANS 10143 hatching detail of hard core filling.	2	
3	Draw in the given answer column space, the SANS 10143 hatching detail of screed.	2	
4	Draw in the given answer column space, the SANS 10143 hatching detail of common brick.	2	
5	Draw in the given answer column space, the SANS 10143 hatching detail of undisturbed earth.	2	
6	Draw in the given answer column space, the SANS 10143 hatching detail of face brick.	2	
7	Name what the following abbreviations are standing for:	7.1 NTS	1
		7.2 DPC	1
		7.3 FFL	1
		7.4 NGL	1
8	Determine the total area of the figure A in square meters. Show all calculations rounded to one decimal.	2	
9	Determine the total area of the figure B in square meters. Show all calculations rounded to one decimal.	2	
10	Determine the perimeter of figure B in meters. Show all calculations rounded to one decimal.	2	
11	Determine the total area of the figure C in square meters. Show all calculations rounded to one decimal.	2	
12	Determine the perimeter of figure C in meters. Show all calculations rounded to one decimal.	2	
13	Determine the total area of the figure D in square meters. Show all calculations to one decimal.	2	
<b>TOTAL</b>		<b>28</b>	

