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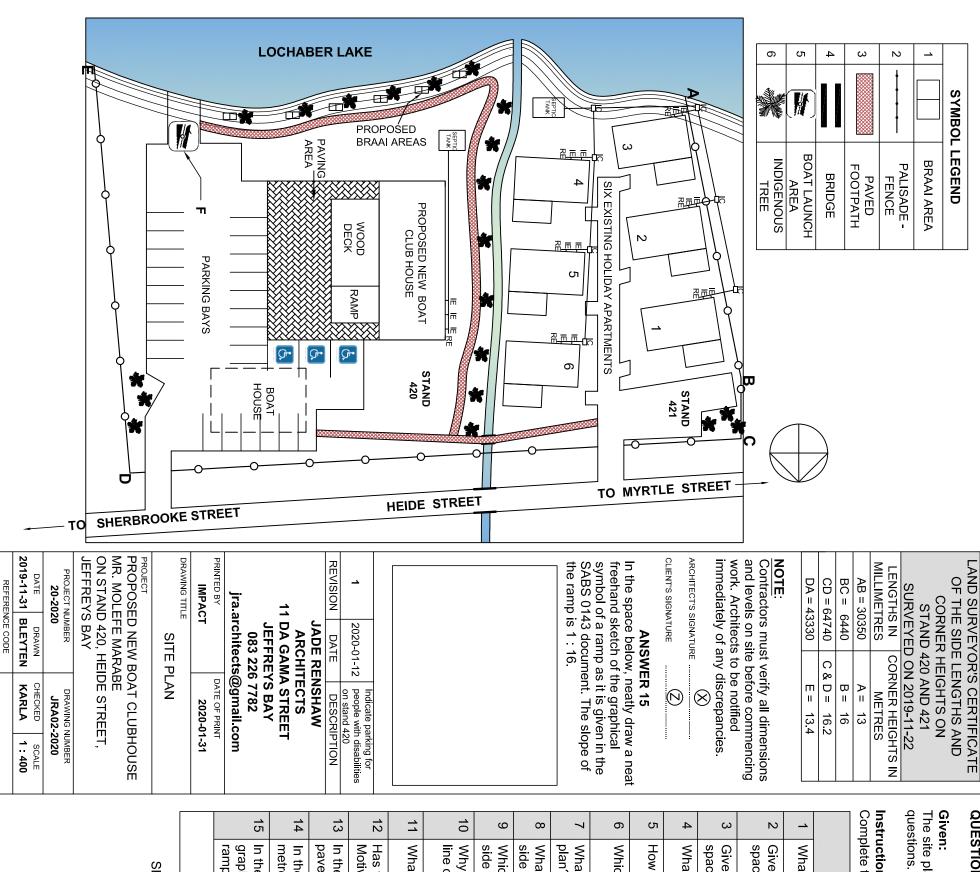
This question paper consists of 6 pages. Copyright reserved	TIME: 3 hours	MARKS: 200	PREPARATORY EXAMINATION	SEPTEMBER 2020	ENGINEERING GRAPHICS AND DESIGN P1		GRADE 12		SENIOR CERTIFICATE	NATIONAL		OOS-KAAP ONDERWYSDEPARTEMENT	ISEBE LEMFUNDO LEMPUMA KOLONI						
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											otherwise.	Ally details of differentiations not gr ALL drawings are in first angle o	All answers must be drawn accu	Print your name in the block pro-	handed in irrespective of whethe	All the answers sheets must be	All drawings must be drawn to s	Answer ALL the questions.	The question paper consists of F
						FINAL CONVE MARK	TOTAL					re in	st be	) in t	pecti	she	unist p	) que	aper

PLETE THE FOLLOWING: NAME NAME EXAMINATION CENTRE

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**QUESTION 1: ANALYTICAL (CIVIL)** Complete the table below by neatly answering the questions Instructions: The site plan for a holiday resort with a proposed new boat c questions. The drawing is not drawn to the scale. In the space provided in the title panel (ANSWER 15), graphic symbol, given in SABS 0143, to indicate the sk ramp is **1** : **16**. In the space below (ANSWER 13), determine the total What is Why does Bleyten indicate the boat house with a dash What type of a natural feature occurs on the southern side of stand 420 and stand 421? Give the name of the person who should sign in the space marked with **X** on the site plan. paved, in metres Has the proposed revision been made on the drawing? side of the site plan? Which street does Heide Street connect to, on the wes What colour is used to indicate new woodwork on a site plan? Which feature is indicated by the road sign at F? Give the name of the person who should sign in the space marked with **Z** on the site plan. metres. In the space provided below (ANSWER 14), determine Motivate your answer What will the boat house space be used for? line on the site plan? How many braai areas are planned on stand 420? What is stand 421 mainly used for? ANSWER 13 Show ALL calculations. the project number of the development? QUEST SNOI. 18100 5000 PAVING AREA 16800 15700

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	tions.	ANSWER 14 Show ALL calculations.	
	26	TOTAL	
	З	draw a neat <b>freehand sketch</b> of the ope of <b>the ramp</b> . The slope of the	ope
	4	e <b>total area</b> to be paved in square	the
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	S	ANSWERS	
[27]		that refer to the drawing and title block.	th

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SITE- 420-20

# **QUESTION 2: SOLID GEOMETRY**

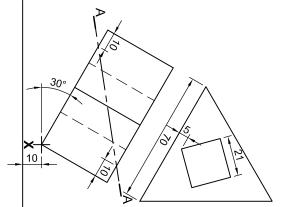
Given:
The front view and auxiliary view of a regular triangular prism with a square hole.
Cutting line A : A in the front view.
The starting point X for the front view.

Instructions: Draw to scale 1 : 1 the following views of the solid:

2.1 The given front view. (starting with point X)2.2 The sectional top view2.3 The right view.

Note:
Show ALL hidden details.
Show ALL necessary constructions.







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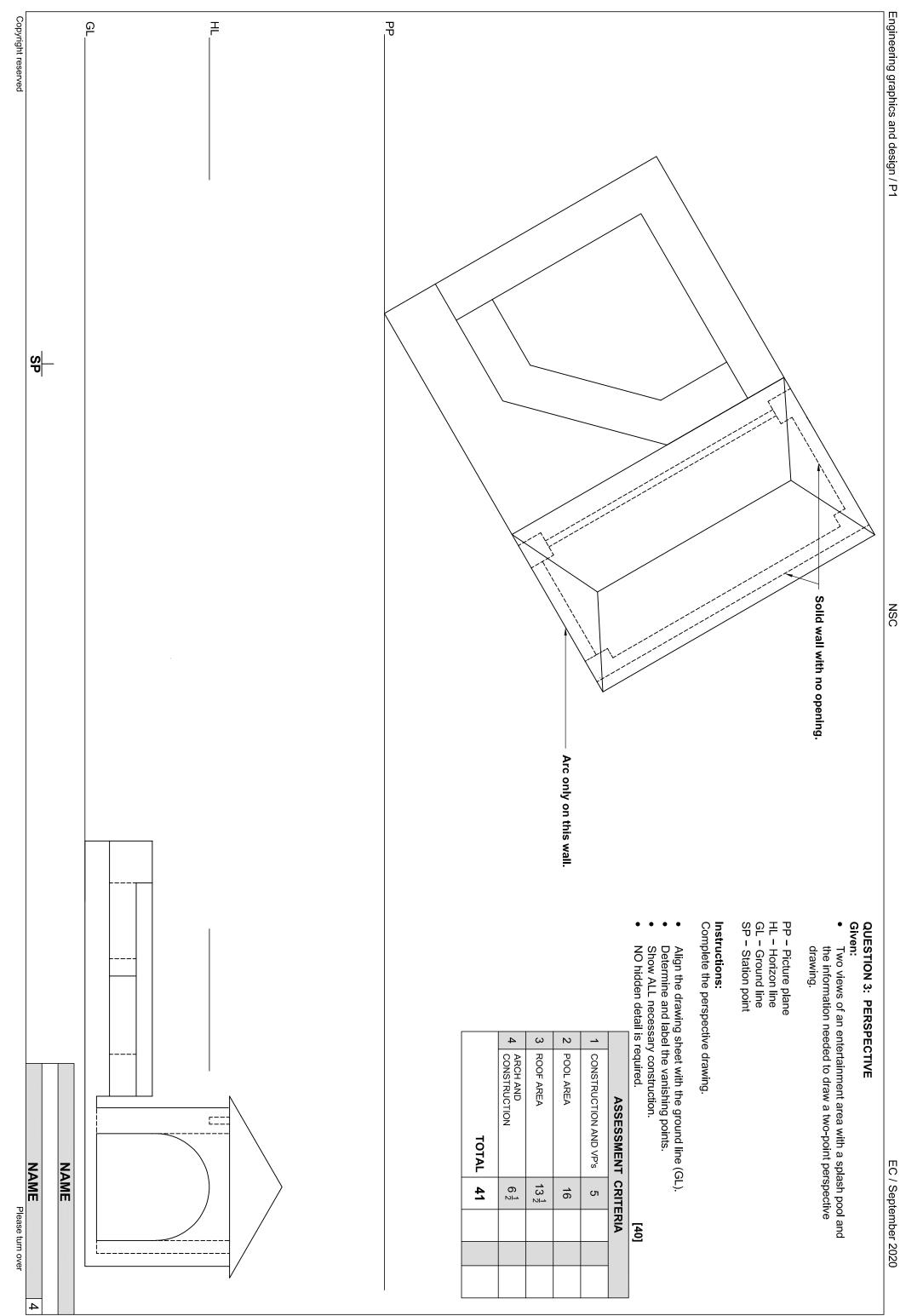
	ASSESSMENT CRITERIA	CRIT	ERIA	
L	FRONT VIEW	თ		
N	SECTIONAL TOP VIEW	17		
ယ	RIGHT VIEW	10		
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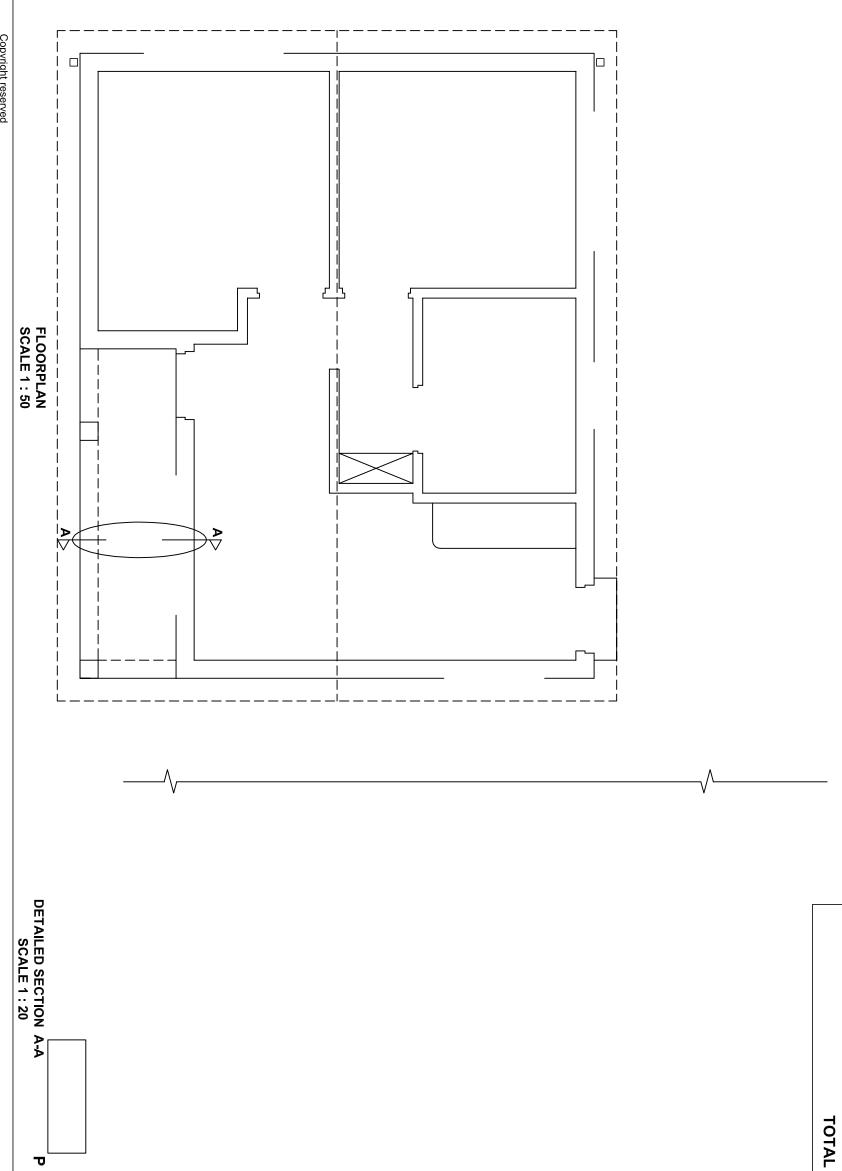
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		ASSESSMENT CRITERIA	CRITE	ERIA		
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	З	ROOF AREA	13 <u>1</u>		$\geq$	
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		TOTAL	41			

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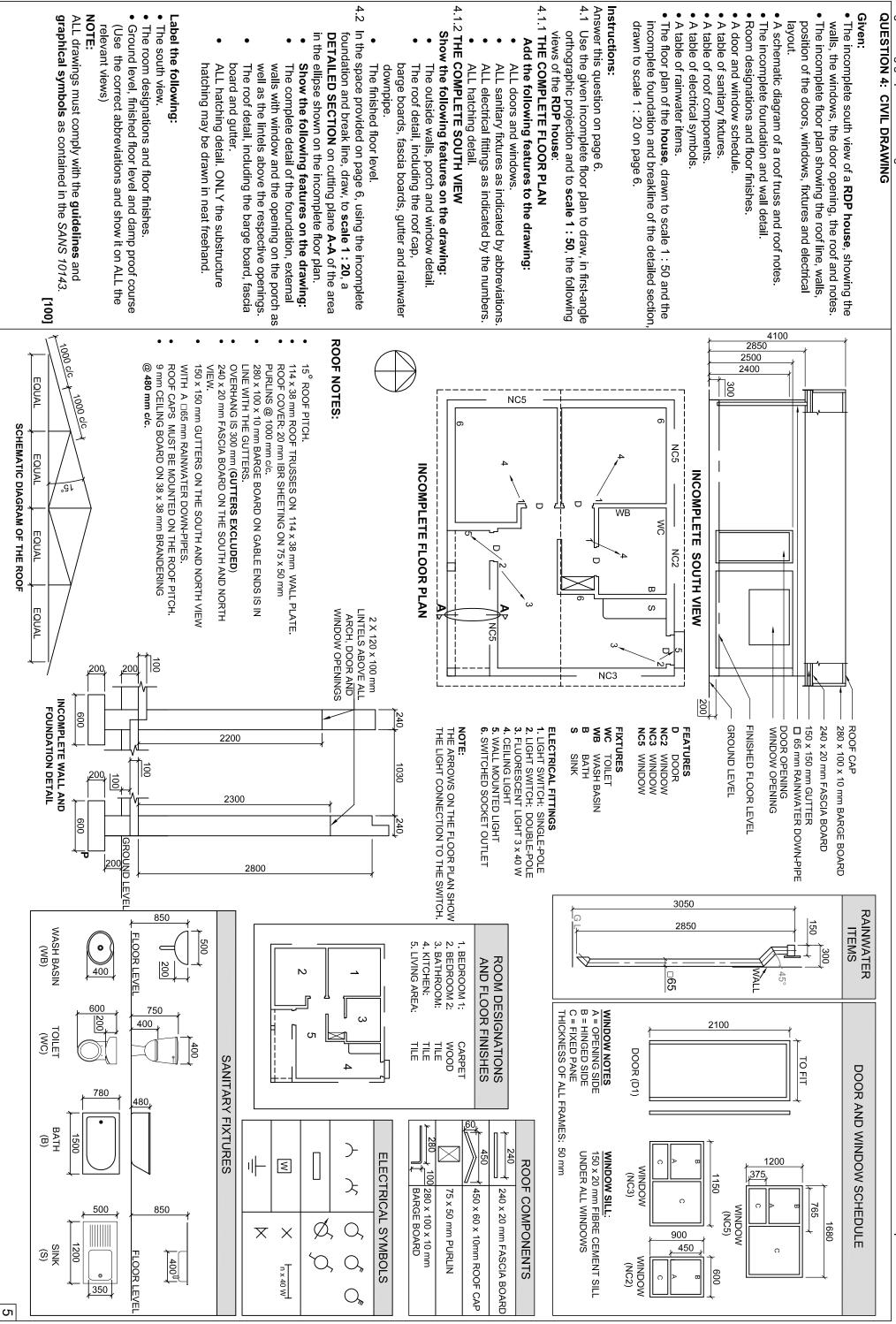
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