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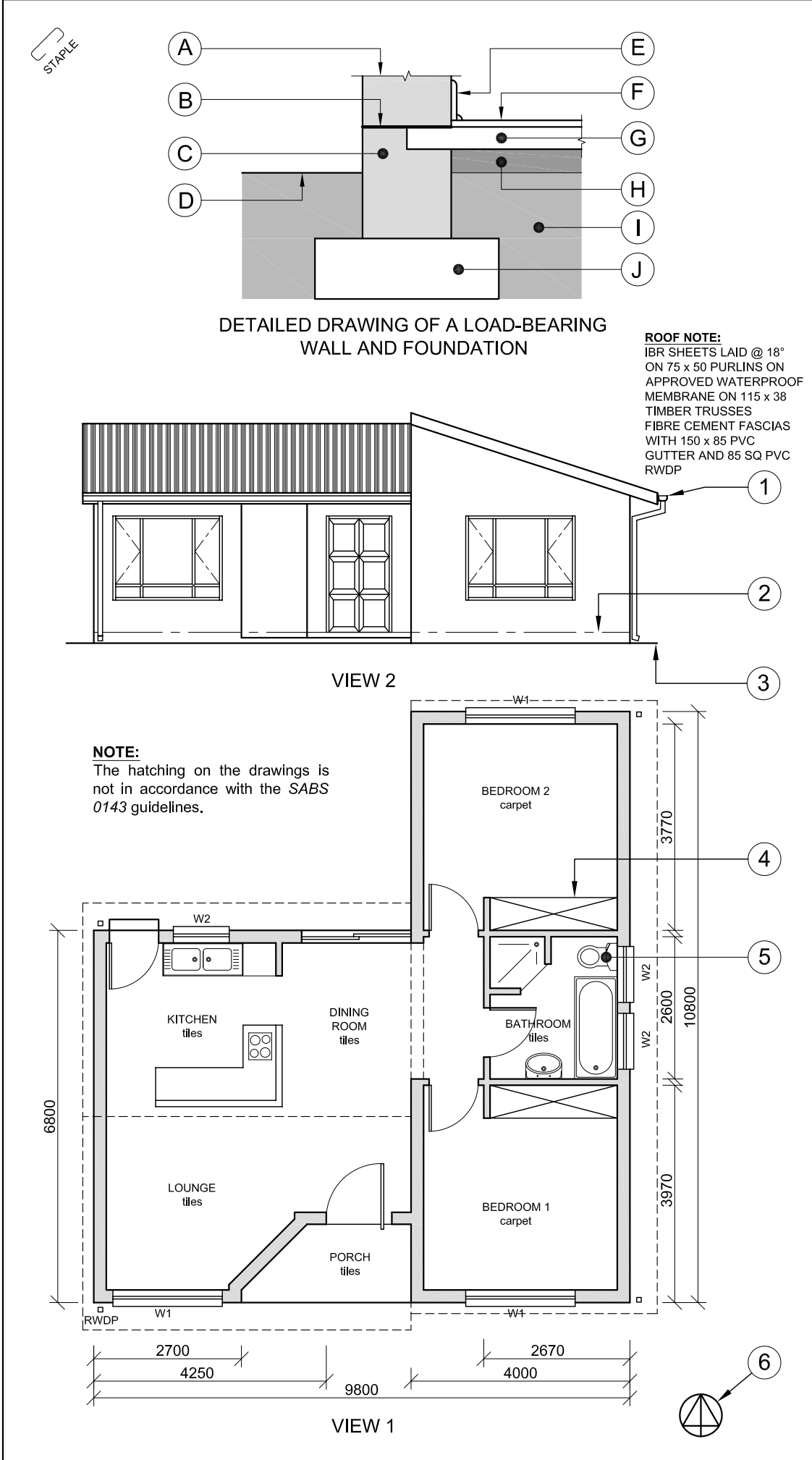
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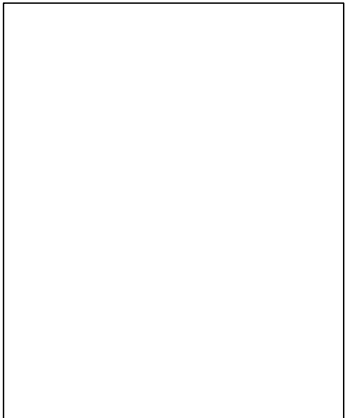


SA EXAM
PAPERS




NOTE:
Contractors must verify all dimensions and levels on site before commencing with any work. Architects to be notified immediately of any discrepancies.

15. In the space below, draw, in neat freehand, the front view and top view of the SABS convention for a BATH.



ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE



**EGD
ARCHITECTS**
188 SCHOEMAN STREET
PRETORIA 0001
Tel: 012 555 2345

REVISION	2	DATE OF REVISION	06-05-2009
PRINTED BY	PVDW	DATE OF PRINT	10-05-2009
REVISION DETAIL			
ISLAND IN KITCHEN			
DRAWING TITLE			
PROPOSED NEW DWELLING FOR P MSOMI ON SUB 3 OF STAND № 49 AT 51 PLANE STREET CENTURION			
PROJECT NUMBER		DRAWING NUMBER	
2009 - 351		0 0 0 1 4	
REFERENCE CODE		DRAWN BY	
Q1P1-N-2009		P DIDI	
DATE		CHECKED BY	
25-01-2009		S SMITH	
SCALE			
1:100			

QUESTION 1: ANALYTICAL (CIVIL)

Given:
The working drawings of a proposed new dwelling with a title block and a table of questions.

Instructions:
Complete the table below by neatly printing the answers to the questions which all refer to the accompanying drawings and title block. [30]

QUESTIONS		ANSWERS	
1	How many windows are shown on the plan?		1
2	What was the reason for the revision to the drawing?		1
3	What is the project number?		1
4	Who is the owner of the proposed new dwelling?		1
5	What scale has been used for the drawing?		1
6	Name the feature numbered 1.		1
7	What does the line numbered 2 indicate?		1
8	What does the line numbered 3 indicate?		1
9	Name the feature numbered 4.		1
10	What is the abbreviation for the fixture numbered 5?		1
11	What does the symbol numbered 6 indicate?		1
12	What would VIEW 1 be called?		1
13	What would VIEW 2 be called?		1
14	With reference to the detailed drawing of the load-bearing wall and foundation, match the letter on the drawing with each of the features listed.	LOAD-BEARING WALL DAMP-PROOF COURSE LINE BREAK SCREED COMPACTED HARDCORE	5
15	In the space provided in the title block, draw, in neat freehand, the front view and top view of the SABS convention for a bath.		4
16	What is the pitch (angle) of the roof?		1
17	What colour must all new window glass be on a presentation drawing?		1
18	Determine the perimeter of the dwelling in metres.		3
19	Determine the total area of the dwelling in m².		3
TOTAL			30
		EXAMINATION NUMBER	
		EXAMINATION NUMBER	
		EXAMINATION NUMBER	2



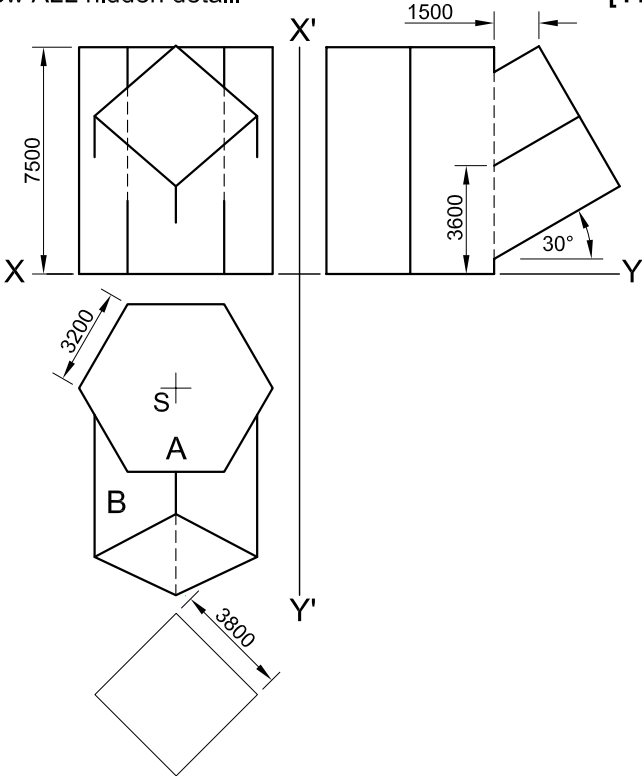
S+

QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:
The incomplete front view, top view and the incomplete left view of an anchor used to secure an arch over a stadium. The anchor is a concrete casting in the form of a hexagonal prismatic footing (A) and a square branch piece (B), that has been shaped to fit around the footing. The axes of both pieces lie in a common vertical plane. The branch piece will be cladded with stainless steel.

- Instructions:**
- 2.1 Draw, to scale 1:100 and in first-angle orthographic projection, the following views of the complete anchor clearly showing the curve of interpenetration that will be formed between the two pieces:
 - 2.1.1 The top view using point S as a reference
 - 2.1.2 The complete front view
 - 2.1.3 The complete left view
 - 2.2 Develop the surface of the stainless steel cladding that will cover the branch piece B. Label the development.

- Show ALL necessary constructions.
 - Show ALL hidden detail.
- [44]



ASSESSMENT CRITERIA				
TOP VIEW & CONSTRUCTION	6½			
FRONT VIEW	17			
LEFT VIEW	10			
DEVELOPMENT	10½			
TOTAL	44			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3



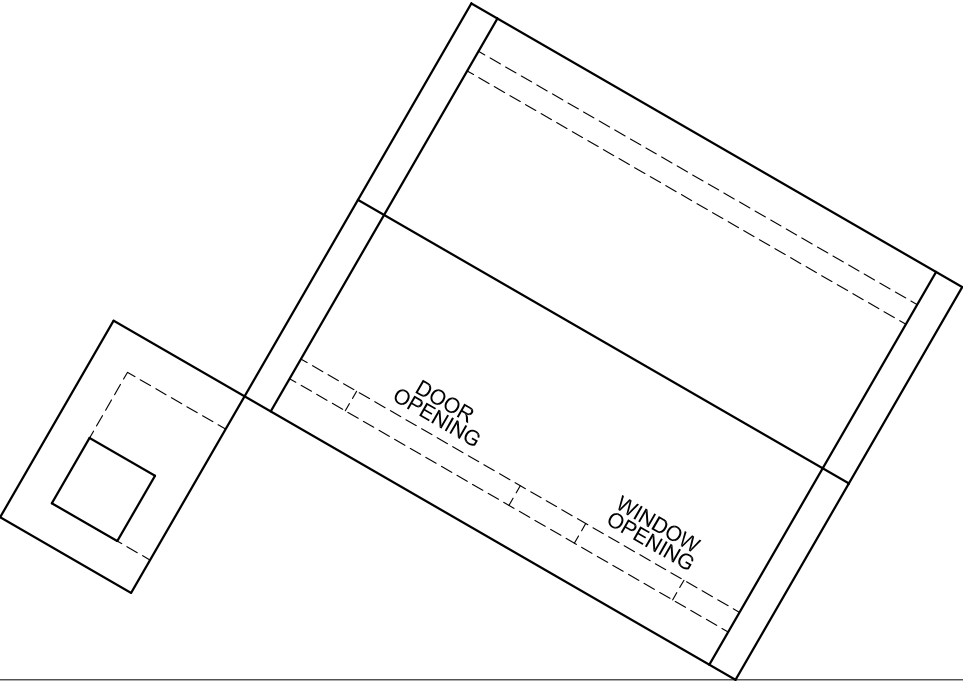
QUESTION 3: PERSPECTIVE

Given:
Two views of a clubhouse with a built-in braai and the information needed to draw a two-point perspective drawing.
PP – Picture Plane
HL – Horizon Line
GL – Ground Line
SP – Station Point

Instructions:
Complete the perspective drawing.

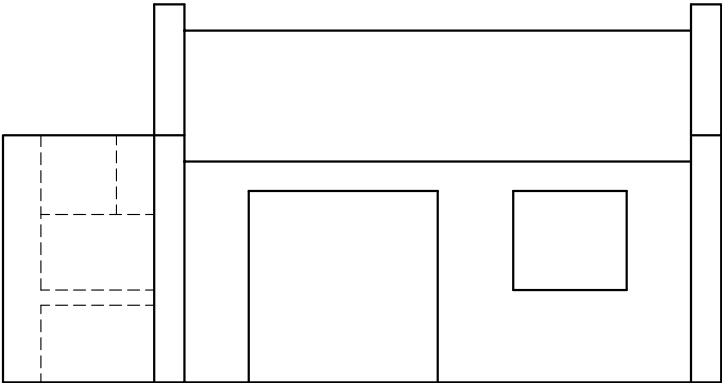
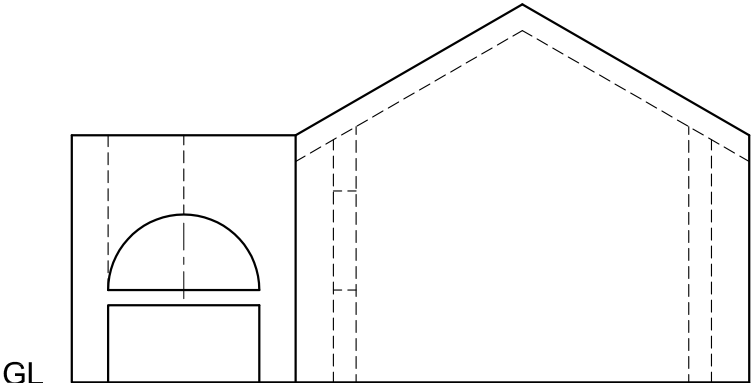
- Align the drawing sheet with the horizon line (HL).
- Locate and label the vanishing points.
- Show ALL visible detail inside the dwelling.
- NO hidden detail is required.
- Show ALL necessary constructions.

[36]



PP _____

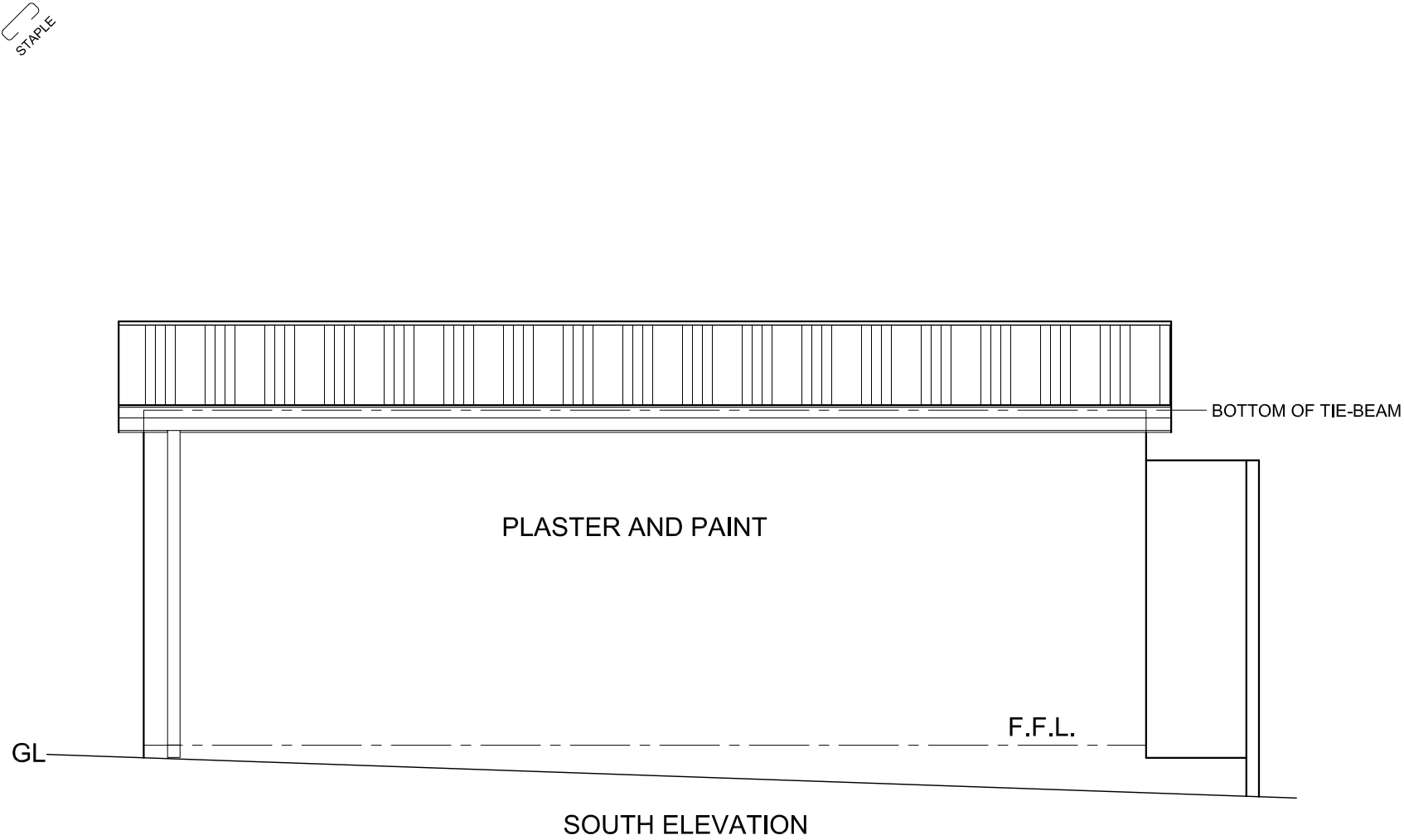
HL _____



GL _____

+
SP

ASSESSMENT CRITERIA				
CONSTRUCTION + VPs	6			
DWELLING (A)	17½			
BRAAI (B)	12½			
TOTAL	36			
EXAMINATION NUMBER				
EXAMINATION NUMBER				4



ASSESSMENT CRITERIA				
PLAN				
	POSSIBLE	OBTAINED	SIGN	MODERATE
1 CORRECT SCALE	1			
2 WALLS + HATCHING	17½			
3 WINDOW + DOORS	7			
4 FIXTURES	5			
5 ELECTRICAL	10			
6 LABELS + C'PLANE	5			
SECTIONAL ELEVATION				
1 CORRECT SCALE	1			
2 WALLS + FOUNDATION + HATCHING	19			
3 WINDOW + DOORS	8			
4 FIXTURES	3			
5 ROOF	10½			
6 LABELS	3			
TOTAL	90			
EXAMINATION NUMBER				
EXAMINATION NUMBER				6