higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NASIENRIGLYN

NASIONALE SERTIFIKAAT: MULTIDISSIPLINERE TEKENKANTOORPRAKTYK

BOUKUNDIGE TEKENWERK

8 April 2021

Hierdie nasienriglyn bestaan uit 8 bladsye.

LET WEL: NASIENERS MOET HUL EIE SJABLONE OPSTEL OMDAT DIE TEKENINGE EN SKETSE IN HIERDIE NASIENRIGLYN NIE OP SKAAL IS NIE.

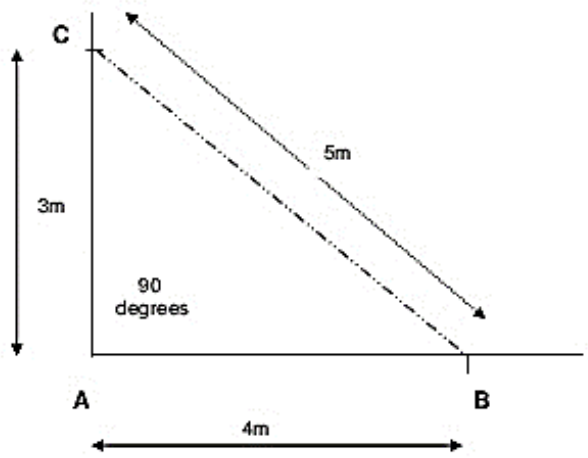
Kopiereg voorbehou

VRAAG 1

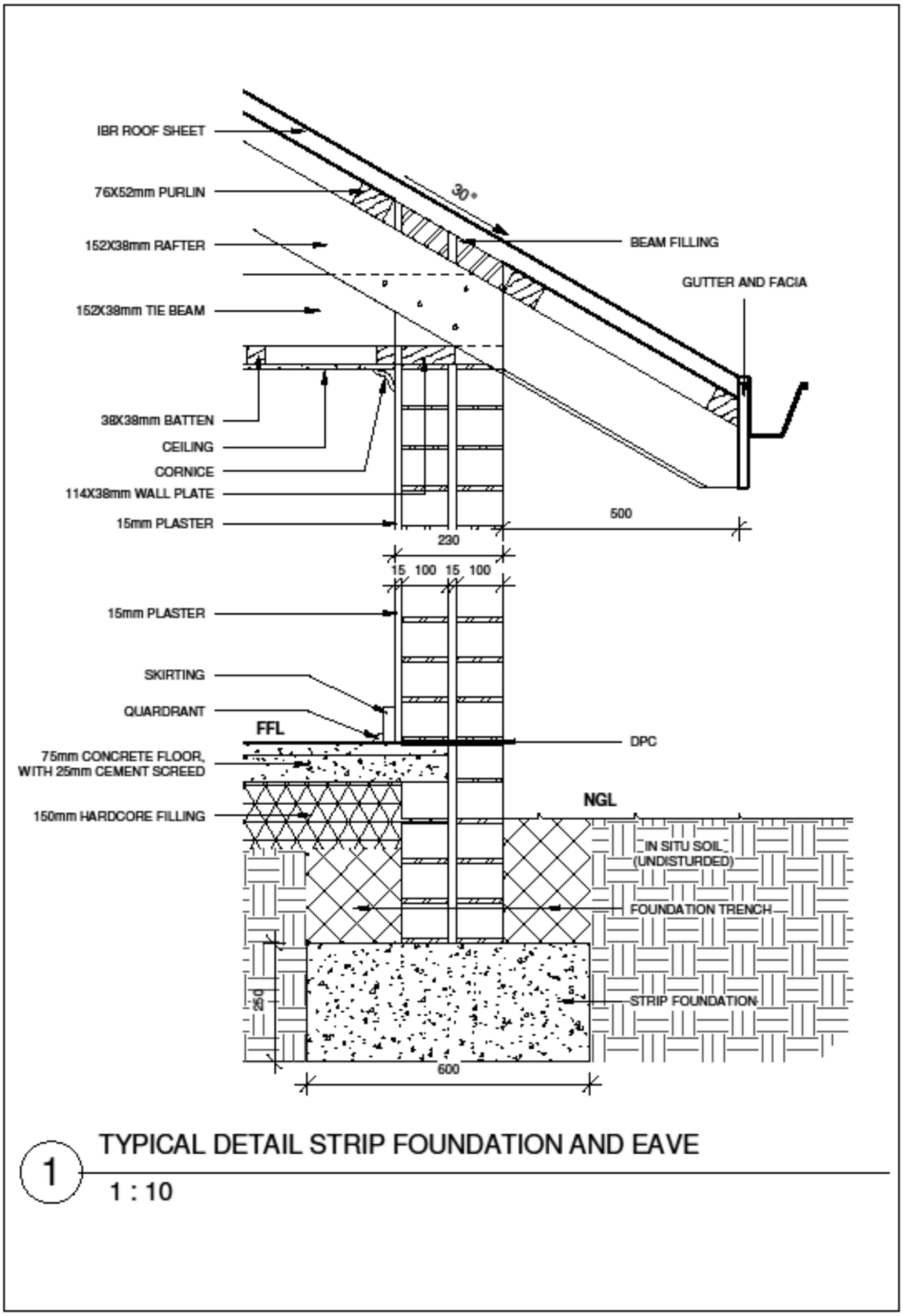
1.1	1.1.1	D
	1.1.2	B
	1.1.3	B
	1.1.4	C
	1.1.5	D
	1.1.6	D
	1.1.7	A
	1.1.8	A
	1.1.9	C
	1.1.10	D

(10 × 1) (10)

1.2 Ook bekend as die Pythagoras-metode. 'n Driehoek met sye van 3 m, 4 m en 5 m skep 'n perfekte hoek van 90 grade. Dit stel bouers in staat om haakse hoeke met slegs 'n meetband uit te meet.



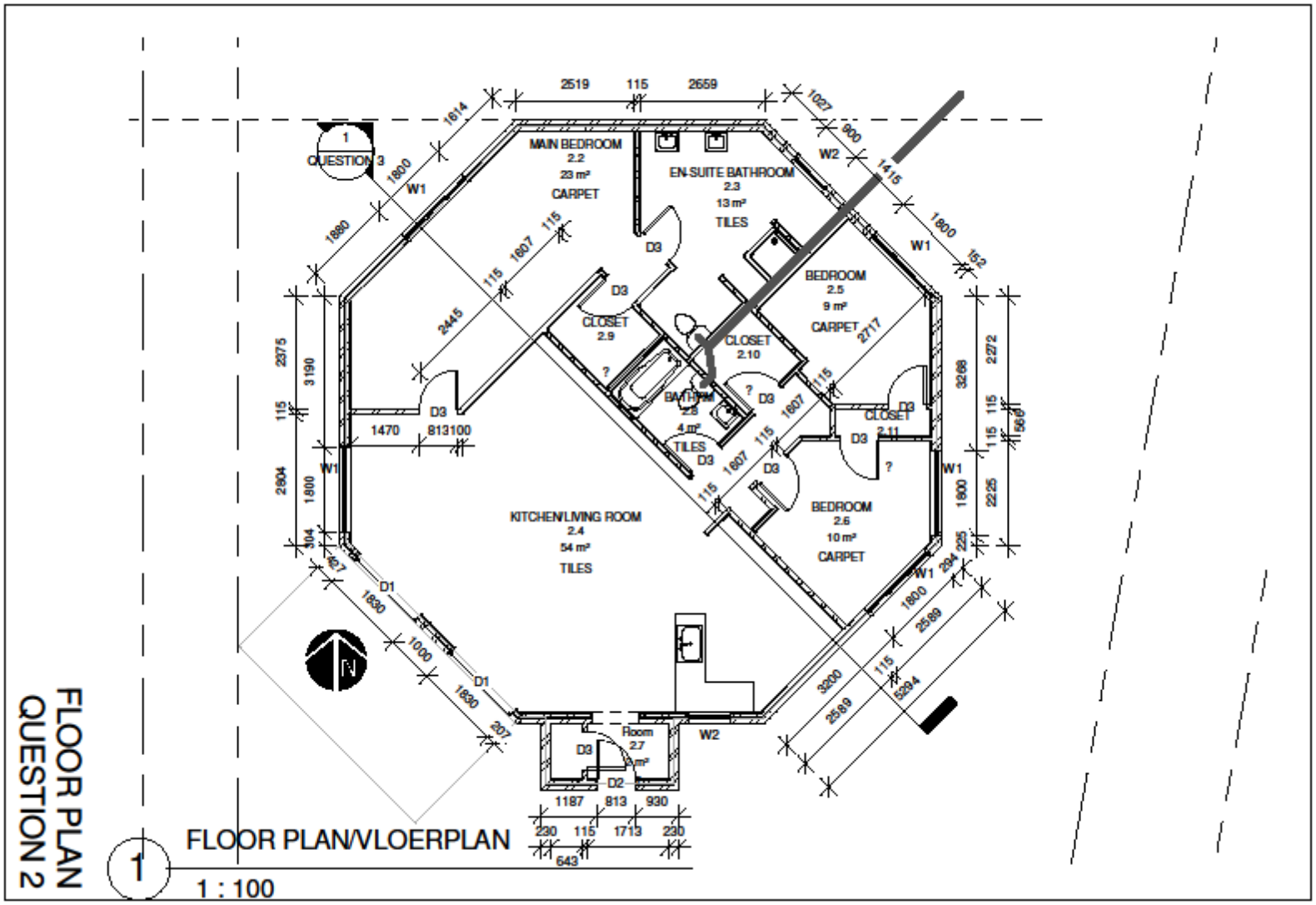
(5)
[15]



KONSTRUKSIETEKENING

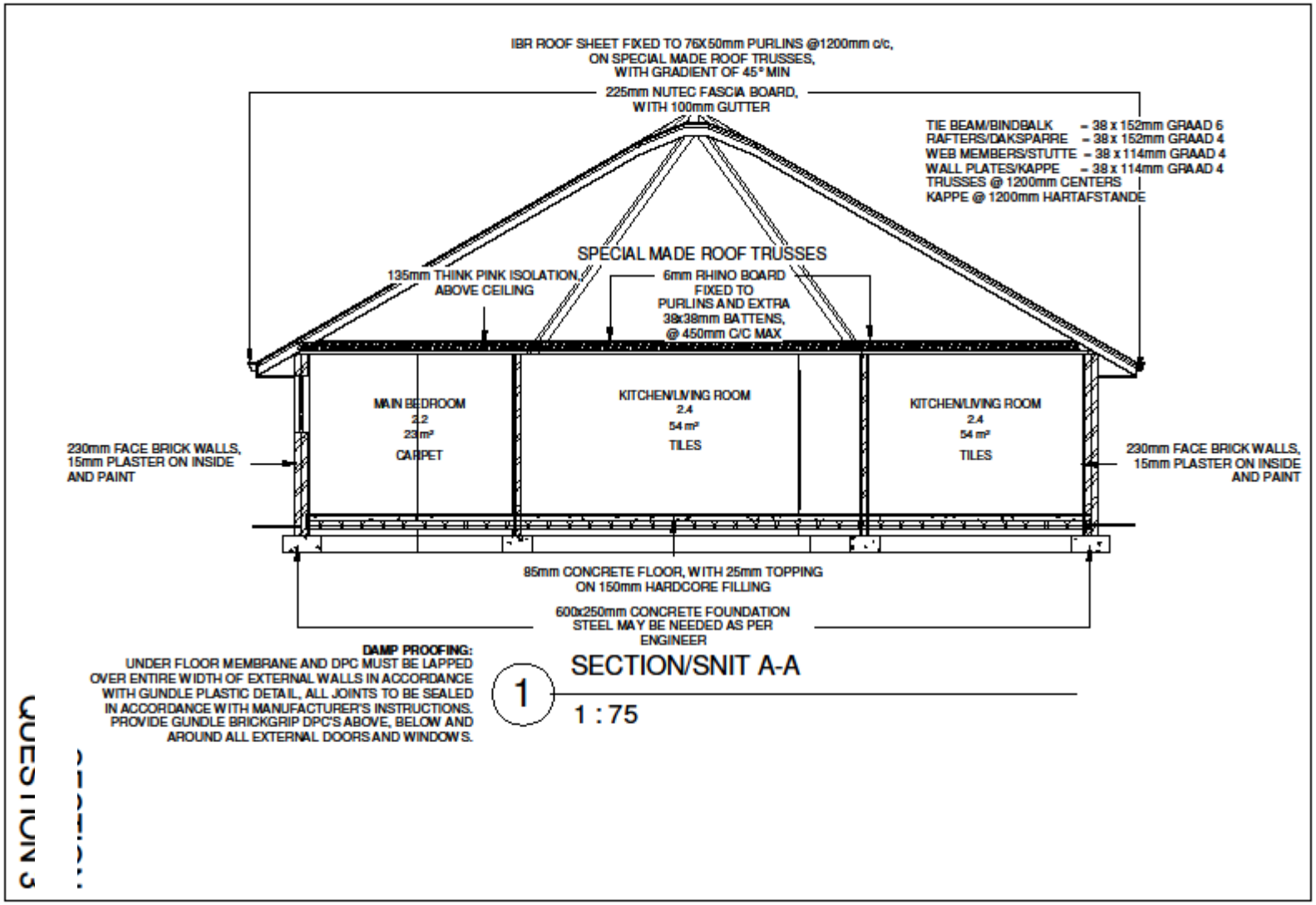
[15]

VRAAG 2


FLOOR PLAN
QUESTION 2
FLOOR PLAN/VLOERPLAN
1 : 100
MAIN BEDROOM
2.2
23 m²
CARPET
EN-SUITE BATHROOM
2.3
13 m²
TILES
BEDROOM
2.5
9 m²
CARPET
CLOSET
2.9
CLOSET
2.10
BATHROOM
2.8
4 m²
TILES
CLOSET
2.11
KITCHEN/LIVING ROOM
2.4
54 m²
TILES
BEDROOM
2.6
10 m²
CARPET
Room
2.7
QUESTION 3
W1
W2
D1
D2
D3
N

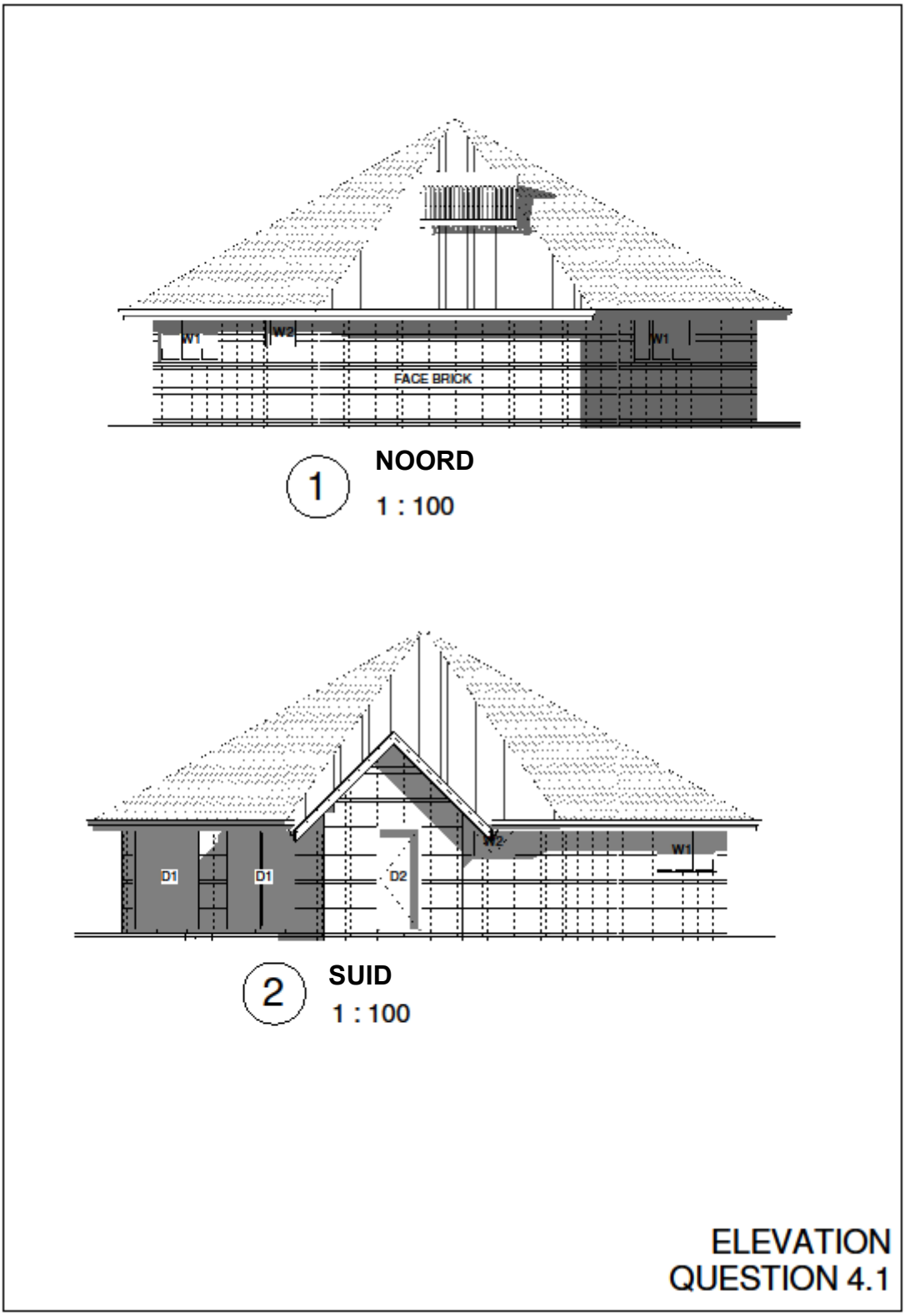
[32]

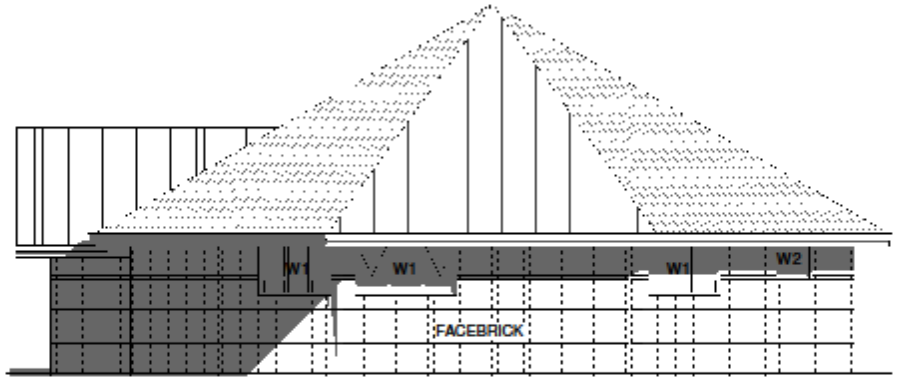
VRAAG 3


IBR ROOF SHEET FIXED TO 76X50mm PURLINS @1200mm c/c,
ON SPECIAL MADE ROOF TRUSSES,
WITH GRADIENT OF 45° MIN
225mm NUTEC FASCIA BOARD,
WITH 100mm GUTTER
TIE BEAM/BINDBALK – 38 x 152mm GRAAD 6
RAFTERS/DAKSPARRE – 38 x 152mm GRAAD 4
WEB MEMBERS/STUTTE – 38 x 114mm GRAAD 4
WALL PLATES/KAPPE – 38 x 114mm GRAAD 4
TRUSSES @ 1200mm CENTERS
KAPPE @ 1200mm HARTAFSTANDE
SPECIAL MADE ROOF TRUSSES
135mm THINK PINK ISOLATION,
ABOVE CEILING
6mm RHINO BOARD
FIXED TO
PURLINS AND EXTRA
38x38mm BATTENS,
@ 450mm C/C MAX
MAIN BEDROOM
2.2
23m²
CARPET
KITCHEN/LIVING ROOM
2.4
54 m²
TILES
KITCHEN/LIVING ROOM
2.4
54 m²
TILES
230mm FACE BRICK WALLS,
15mm PLASTER ON INSIDE
AND PAINT
230mm FACE BRICK WALLS,
15mm PLASTER ON INSIDE
AND PAINT
85mm CONCRETE FLOOR, WITH 25mm TOPPING
ON 150mm HARDCORE FILLING
600x250mm CONCRETE FOUNDATION
STEEL MAY BE NEEDED AS PER
ENGINEER
DAMP PROOFING:
UNDER FLOOR MEMBRANE AND DPC MUST BE LAPPED
OVER ENTIRE WIDTH OF EXTERNAL WALLS IN ACCORDANCE
WITH GUNDLE PLASTIC DETAIL, ALL JOINTS TO BE SEALED
IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
PROVIDE GUNDLE BRICKGRIP DPC'S ABOVE, BELOW AND
AROUND ALL EXTERNAL DOORS AND WINDOWS.
1
SECTION/SNIT A-A
1 : 75

[28]

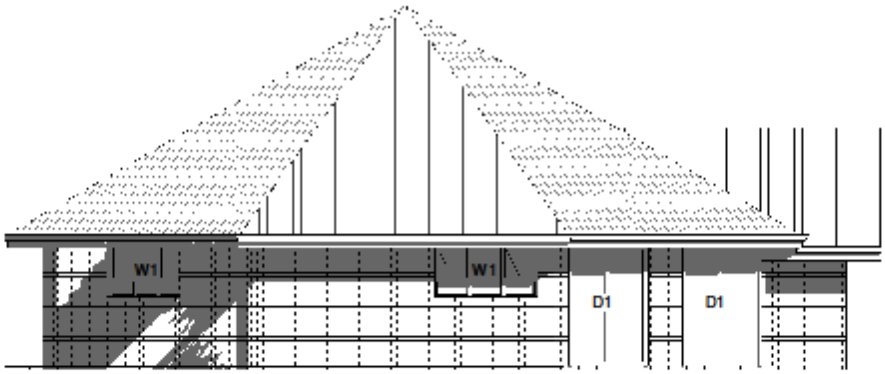
VRAAG 4


W1
W2
FACE BRICK
W1
1
NOORD
1 : 100
D1
D1
D2
W2
W1
2
SUID
1 : 100
ELEVATION
QUESTION 4.1



OOS

1 : 100



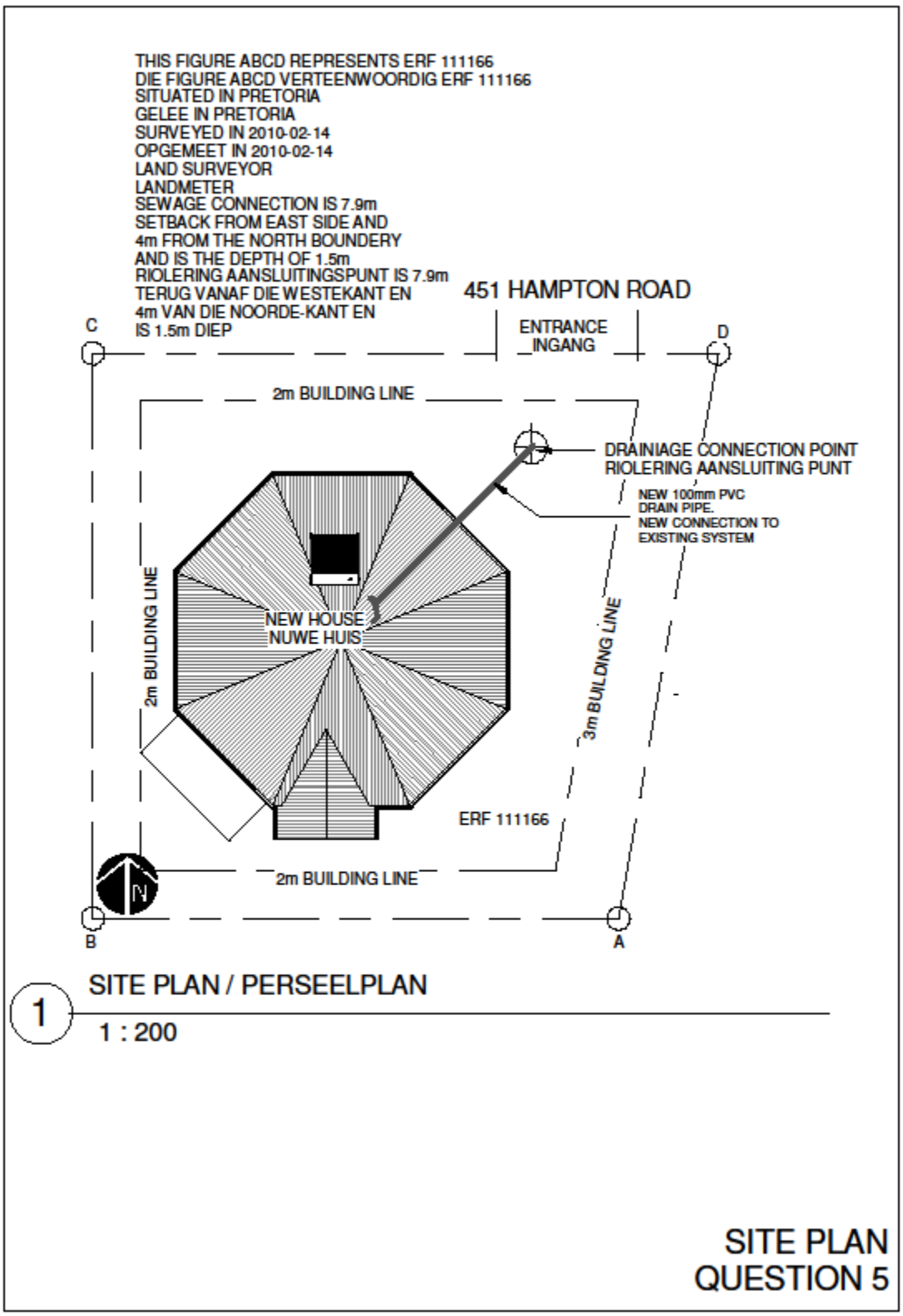
WES

2 : 100

ELEVATION
QUESTION 4.2

[10]

VRAAG 5



[15]

TOTAAL: 100

Kopiereg voorbehou