GAUTENG PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

JUNE EXAMINATION
2025

ENGINEERING GRAPHICS AND DESIGN

(PAPER 1)

MARKING GUIDELINES

7 PAGES

ANSWERS		
1	CHECKED	1
2	CORPORATION INVEST	1
3	SITE PLAN	1
4	NASCAR PRINTERS	1
5	2024	1
6	BOUNDARY LENGTHS & CORNER HEIGHTS	2
7	BLADE STREET	1
8	7000 x 2000	1
9	MILLIMETRE/mm	1
10	DIRECTION OF OPENING	1
11	CHAIN LINE	1
12	RE	1
13	NORTH POINT	1
14	GREEN	1
15	TWO/2	1
16	2,2	2
17	NORTH WEST/NW	2
18	*SEE ANSWERS 18, 19 & 20 BELOW.*	3
19		4
20		3
	TOTAL:	**30**

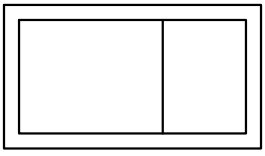
ANSWER 18

(79,5 - 3) + (65,5 - 3) (FORMULA✓)
= 139✓ (IN METRE)✓

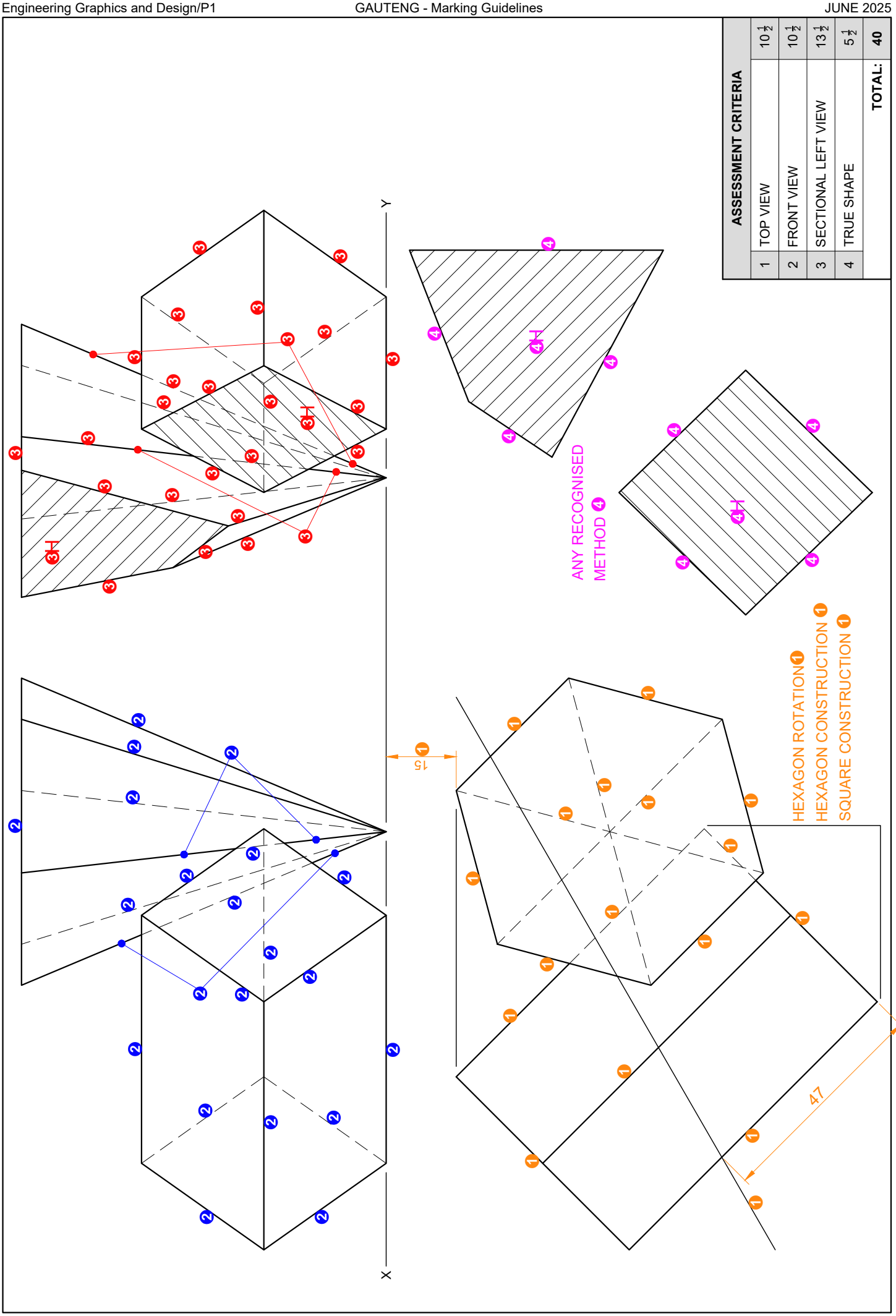
ANSWER 19

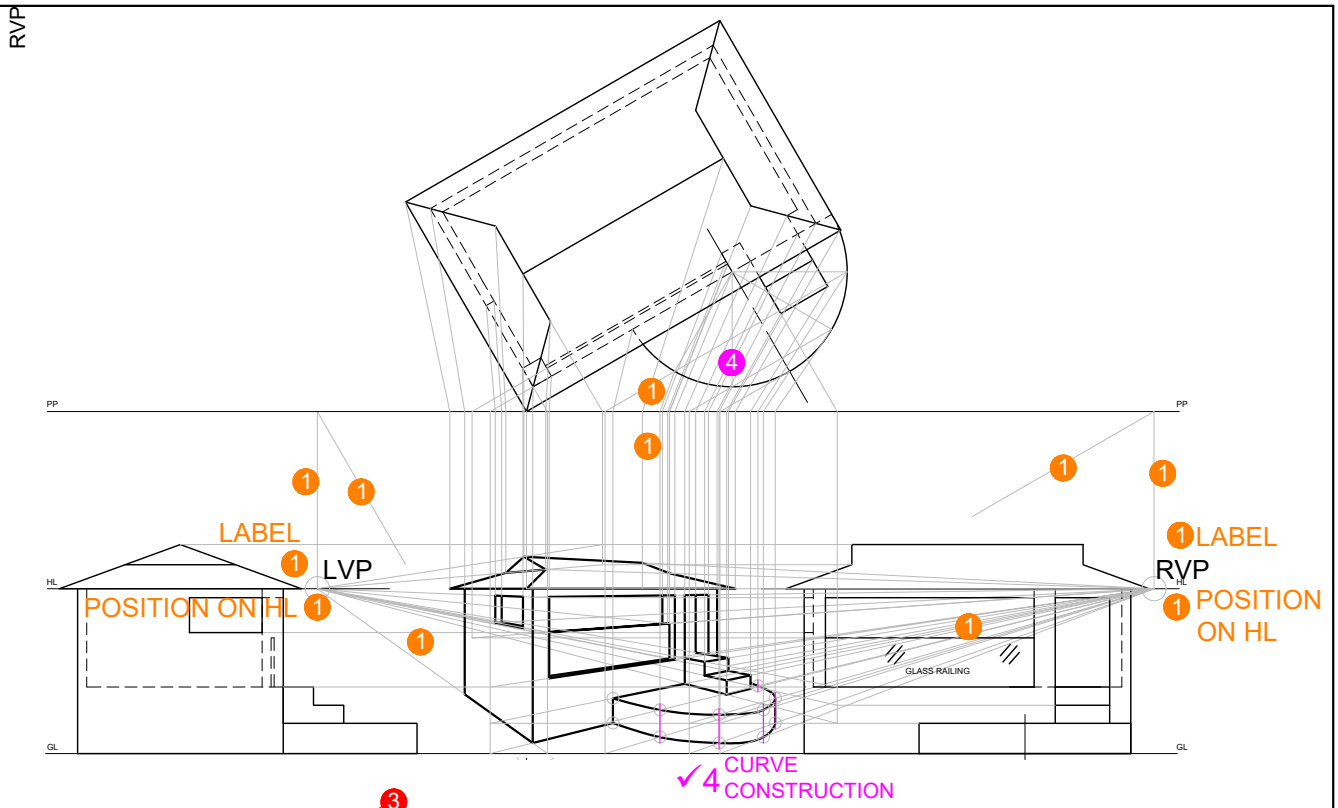
(18,5 x 10) + (9 x 2) + ½(10 x 4,4)
(FORMULA✓)
=225 + 344✓
= 569✓m²✓

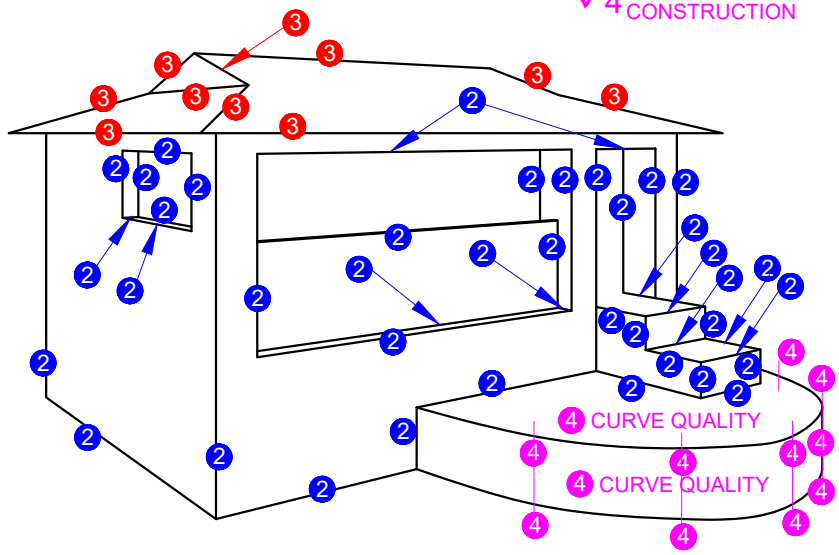
ANSWER 20

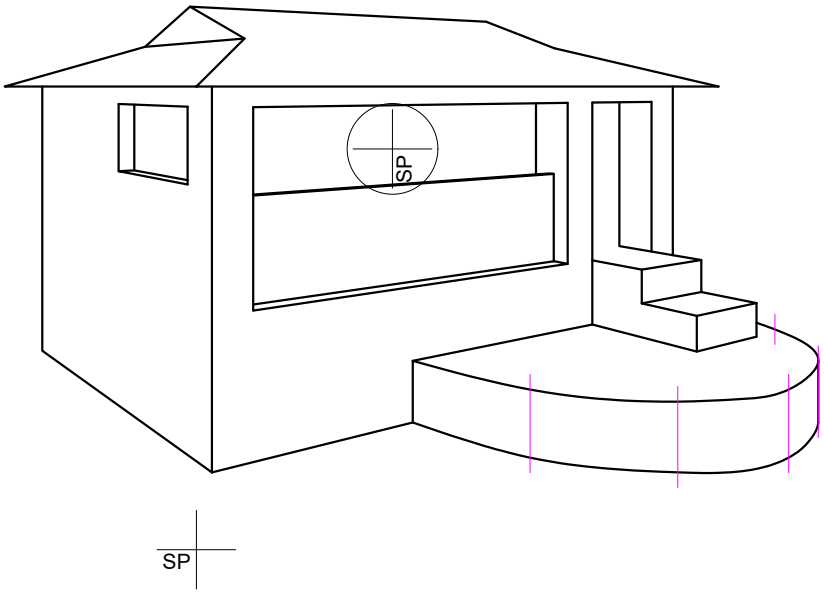


OUTSIDE RECTANGLE 1
INSIDE RECTANGLE 1
DIVIDING LINE 0.5
FREEHAND 0.5
3


ASSESSMENT CRITERIA
1 TOP VIEW 10 ½
2 FRONT VIEW 10 ½
3 SECTIONAL LEFT VIEW 13 ½
4 TRUE SHAPE 5 ½
TOTAL: 40
ANY RECOGNISED METHOD 4
HEXAGON ROTATION 1
HEXAGON CONSTRUCTION 1
SQUARE CONSTRUCTION 1
15
47
X
Y



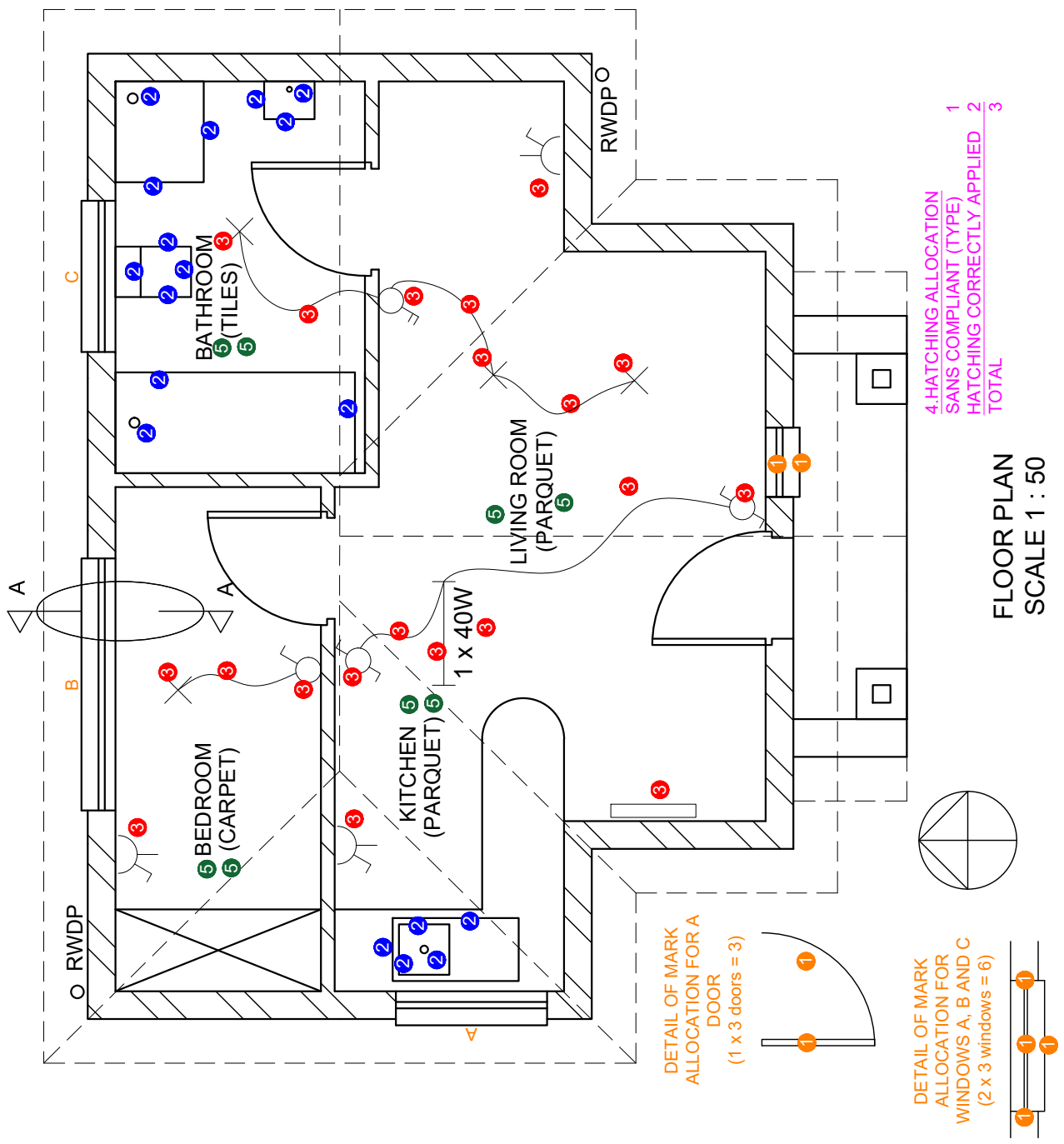




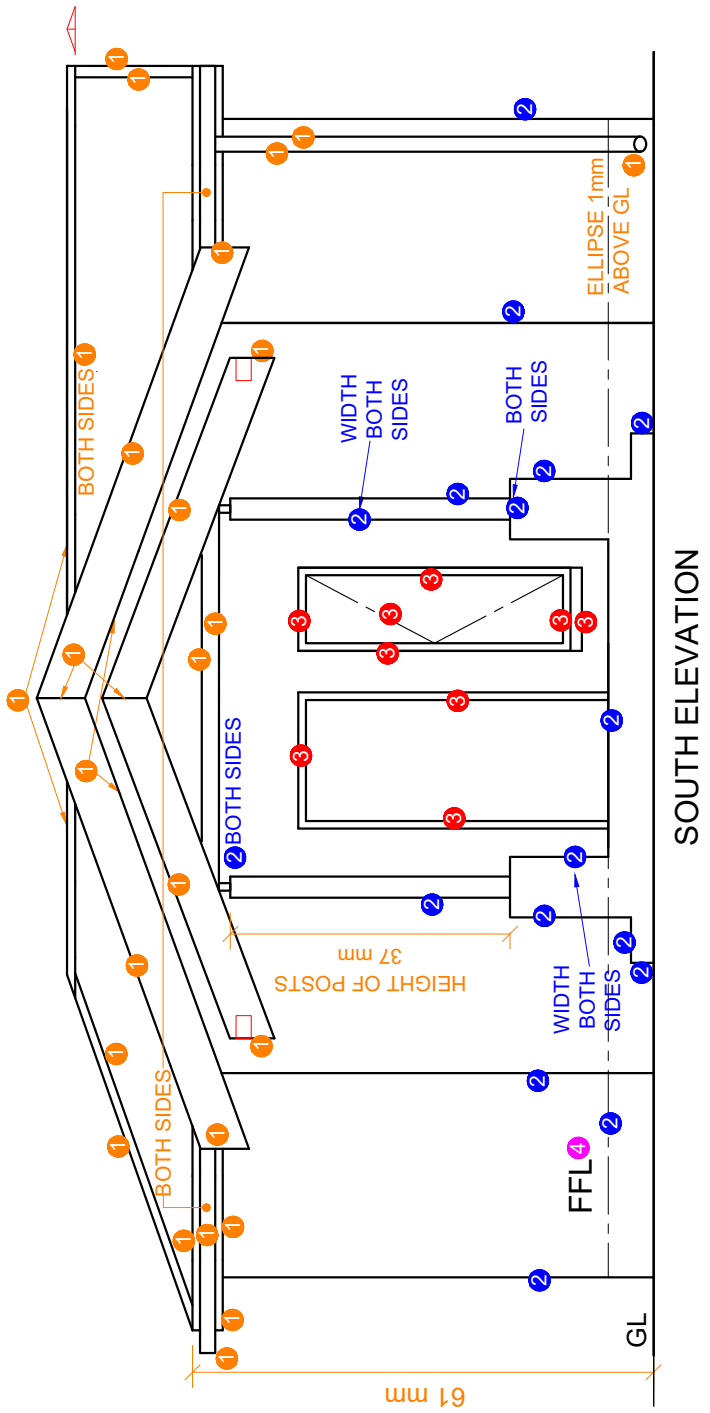
ASSESSMENT CRITERIA		
1	CONSTRUCTION	6
2	WALLS + WIN +DR + STEPS	19 ½
3	ROOF	5
4	ARC	7 ½
PENALTIES (-)		
	TOTAL	**38**

LVP

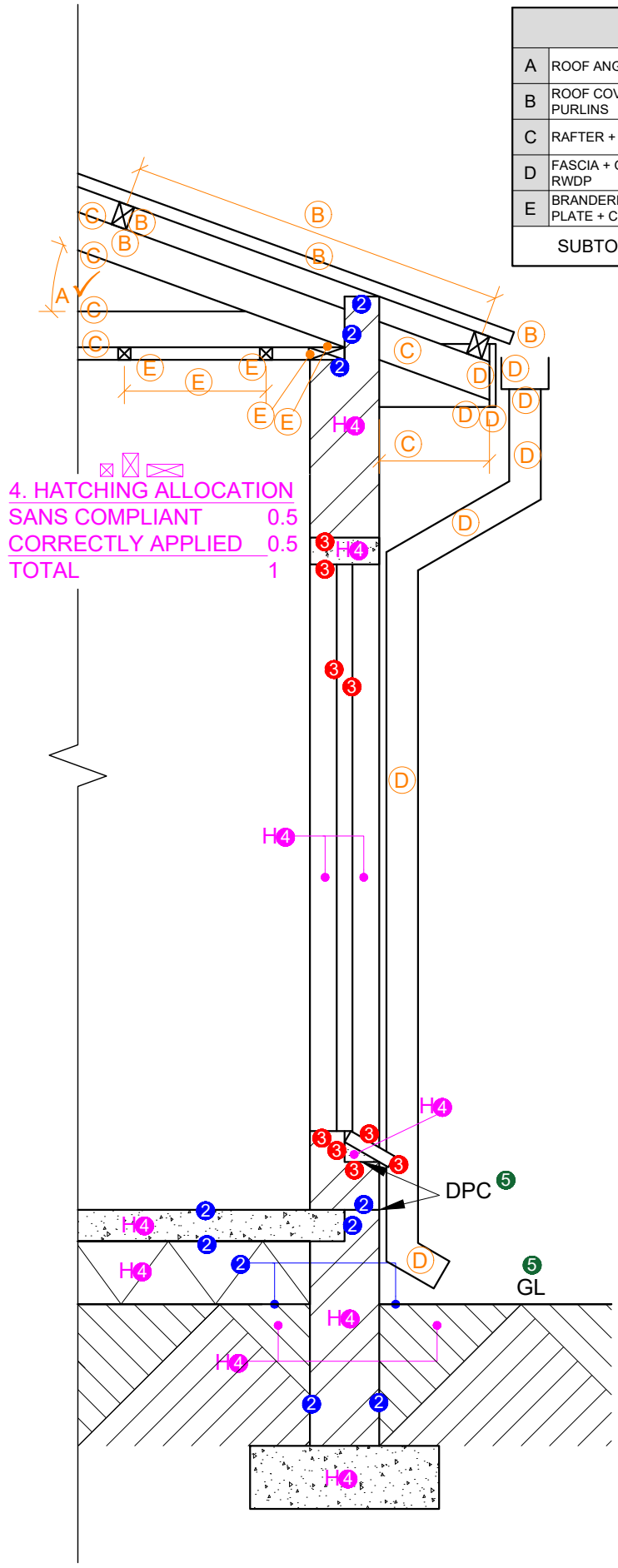
ASSESSMENT CRITERIA		
FLOOR PLAN		10
1	DOORS + WINDOWS	10
2	FIXTURES	9
3	ELECTRICAL	10
4	HATCHING	3
5	LABELS	4
SUBTOTAL		36



ASSESSMENT CRITERIA		
SOUTH ELEVATION		13
1	ROOF + RWDP	
2	WALLS + FFL + COLUMNS + POSTS + PURLINS	8½
3	DOOR + WINDOW	4½
4	LABELS	½
SUBTOTAL		26½



ROOF DETAILS				
A	ROOF ANGLE	1		
B	ROOF COVER + PURLINS	2 ½		
C	RAFTER + TIE BEAM	3		
D	FASCIA + GUTTER + RWDP	4 ½		
E	BRANDERING + WALL PLATE + CEILING	2 ½		
SUBTOTAL		13 ½		



ASSESSMENT CRITERIA		
DETAILED SECTION		
1	ROOF DETAIL	13 ½
2	SLAB + WALL	5
3	WINDOW + LINTEL	4 ½
4	HATCHING	5 ½
5	LABELS	1
SUBTOTAL		29 ½