

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

ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

3		
2		
1	12-06-2017	Include a soak pit
REVISION	DATE	DESCRIPTION

YURI ARCHITECTS
25 AGUSTA ROAD
DURBAN
4097
TEL: 081 991 9692

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DRAWING TITLE:
SITE PLAN

PROJECT:
PROPOSED NEW DWELLING AND POOL FOR MR AND MRS OLIVIER OF STAND 492, 18 MEZUT STREET, HANENHEIM, PINETOWN

PROJECT NUMBER: JB-12/2017
DRAWING NUMBER: AC 12/36/300

DATE: 2017-06-20
DRAWN: JOHANN
CHECKED: MORNE
SCALE: 1 : 1000

REFERENCE CODE:
P1Q1-SEPT2017

QUESTION 1: ANALYTICAL (CIVIL)

Given:

The site plan for a proposed new house and swimming pool, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

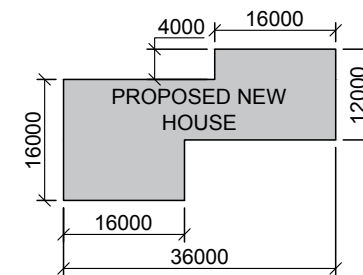
Complete the table below by neatly answering the questions, which refer to the accompanying drawing title panel.

[21]

QUESTIONS		ANSWERS	
1	What type of drawing is presented?	SITE PLAN	1
2	What architectural firm prepared the drawing?	YURI ARCHITECTS	1
3	What is the project number?	JB-12/2017	1
4	What is the width of the bridge in meters?	6 m	1
5	What finishing must be applied to the driveway?	ASPHALT	1
6	How many new inspection eyes are indicated?	4	1
7	What is the shortest distance from Mezut Street to the proposed new house?	47 m	1
8	What is the land used for north of the property?	PLACE OF WORSHIP	1
9	What does the line at 1 indicate?	100 YEAR FLOOD LINE	1
10	What does the circled number on the line at 2 indicate?	HEIGHT ABOVE SEA LEVEL	1
11	What is the depth of the feature at 3 in millimeters?	2000 mm	1
12	What does the broken line at 4 indicate?	BUILDING TO BE REMOVED	1
13	What does the abbreviation ST stand for?	SEPTIC TANK	1
14	Which elevation of the new house is viewed from the new driveway?	WEST ELEVATION	1
15	In the space below (ANSWER 15), determine the perimeter of the proposed new house in meters.	112 m (Calculation 1, answer 1, meter 1)	3
16	In the space below (ANSWER 16), determine the total area of the stand in square meters.	14 725 m ² (Calculation 1, answer 1, meter ² 1)	3
TOTAL			20

ANSWER 15
Show ALL calculations.

$$P = 16 + 20 + 4 + 16 + 12 + 20 + 8 + 16 = 112 \text{ m}$$



ANSWER 16
Show ALL calculations.

$$\text{AREA OF RECTANGLE} = 100 \times 134,500 = 13450 \text{ m}^2$$

$$\text{AREA OF TRIANGLE} = \frac{1}{2} \times 100 \times (25) = 1275 \text{ m}^2$$

$$\text{TOTAL AREA OF SITE} = 13450 + 1275 = 14725 \text{ m}^2$$



QUESTION 2: TRANSITION PIECE

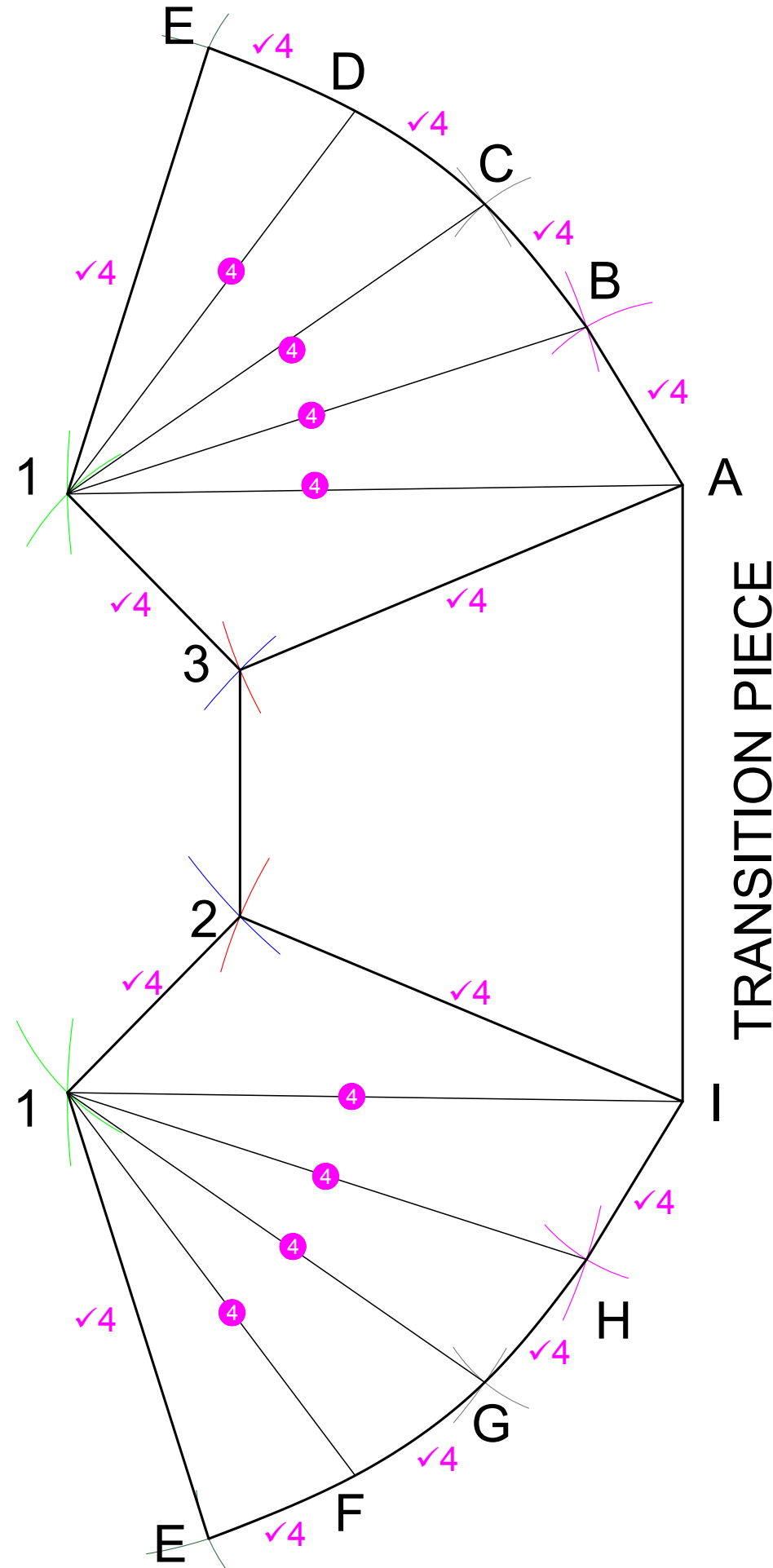
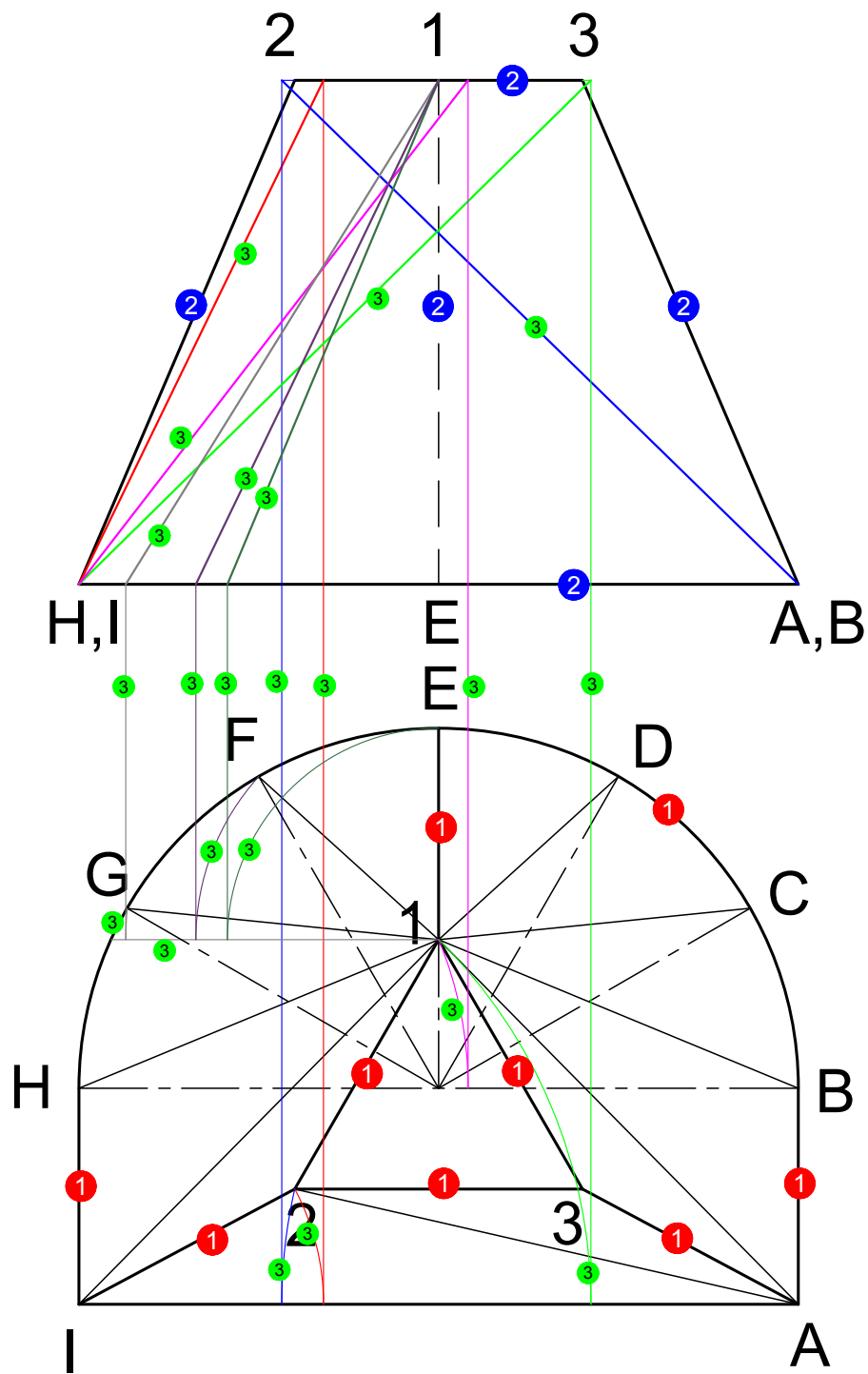
Given:

- The incomplete front view and top view of a transition piece.
- The starting point AI
- E1 is the seam.

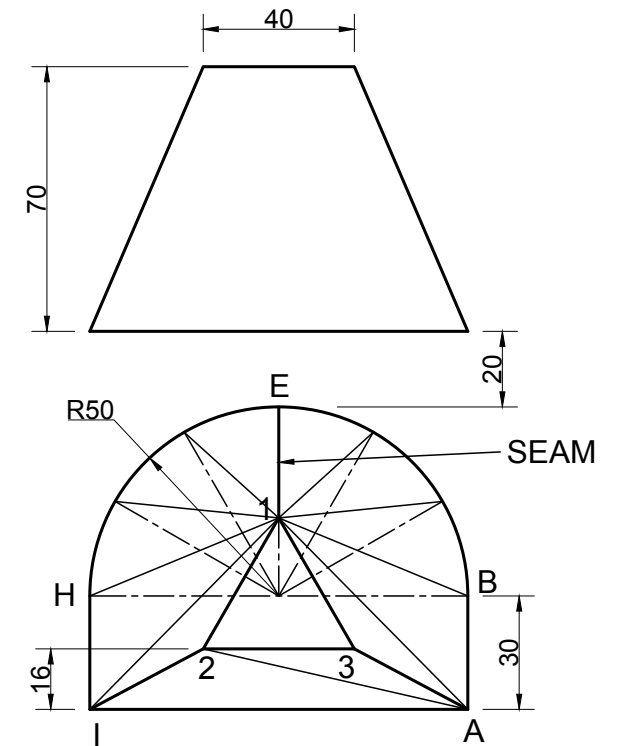
Instructions:

- Draw, to scale 1:1, the following views of the transition piece.
- 2.1 The given top view.
 - 2.2 The completed front view. (hidden detail must be shown)
 - 2.3 Determine the true length(s).
 - 2.4 The development of the transition piece.

[44]



TRANSITION PIECE



ASSESSMENT CRITERIA			
1	TOP VIEW	9	
2	FRONT VIEW	5	
3	TRUE LENGTHS (22/2)	11	
4	TRANSITION PIECE $4 = (8/2) \checkmark 4 = 15$	19	
TOTAAL		44	



QUESTION 3: PERSPECTIVE

Given:
Three views of a house and information needed to draw a two-point perspective drawing

- PP - Picture plane
- HL - Horizon line
- GL - Ground Line
- SP - Station point

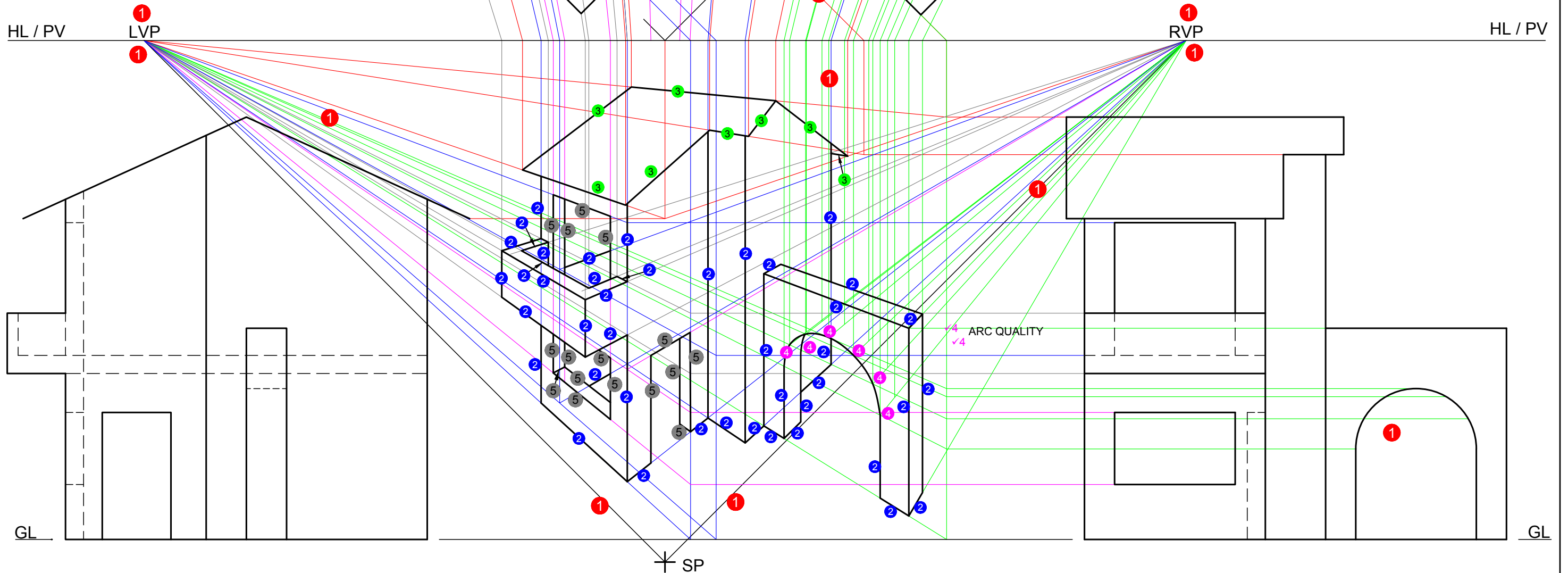
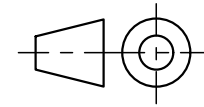
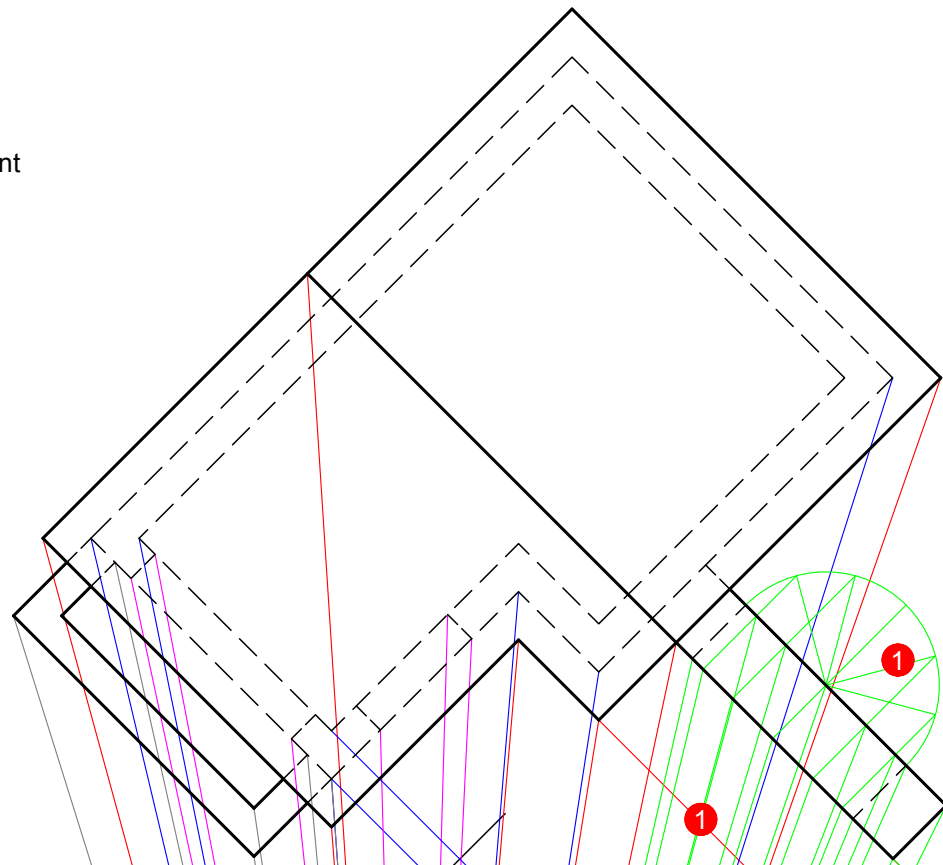
Instructions:

Complete the perspective drawing.

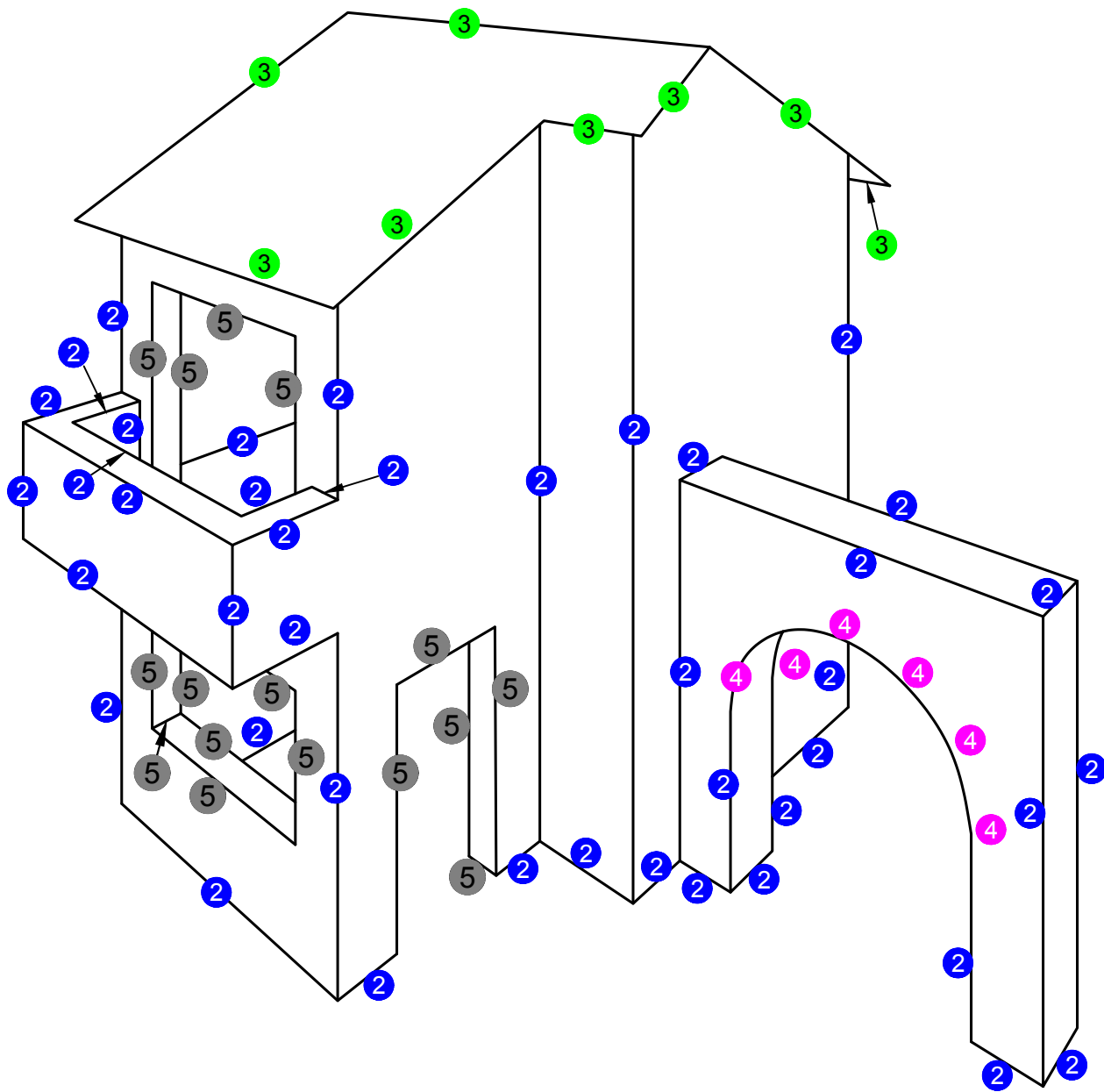
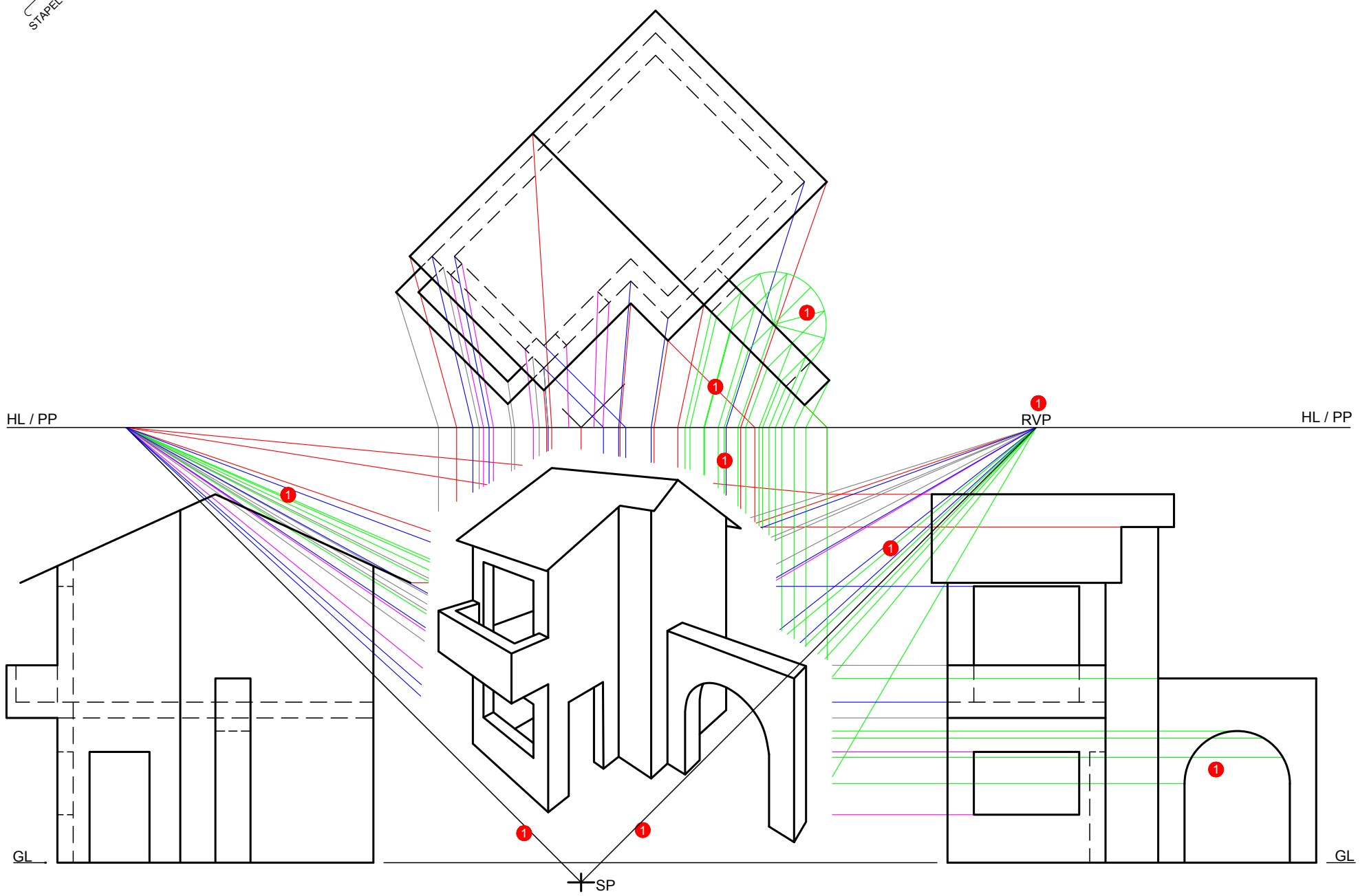
- Align the drawing sheet with the ground line (GL).
- Determine and label the vanishing points.
- Show ALL necessary constructions.
- NO hidden detail is required.

[44]

ASSESSMENT CRITERIA			
1	CONSTRUCTION + VP'S (12/2)	6	
2	WALLS (42/2)	21	
3	ROOF (8/2)	4	
4	CIRCULAR ARC 4=(6/2) ✓4=2	5	
5	DOOR + WINDOWS (16/2)	8	
TOTAAL		44	



STAPEL

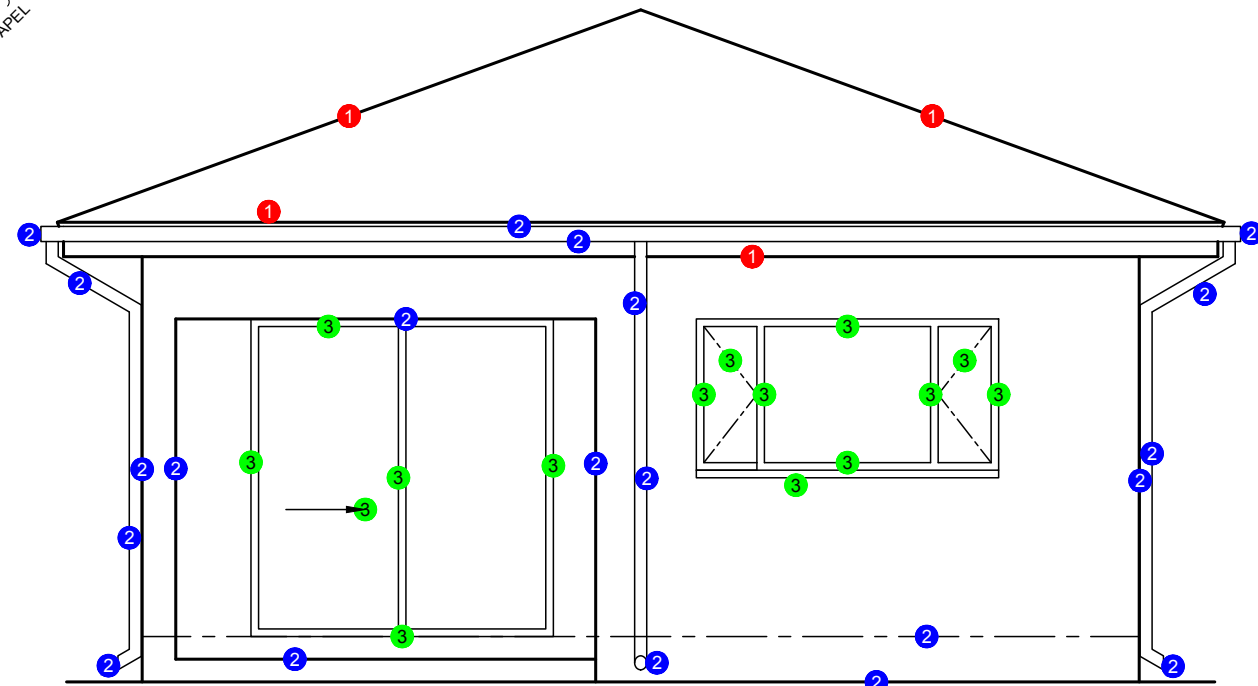


ARC QUALITY

SP

NAME & SURNAME	MEMORANDUM	GRADE	12	4.1
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STAPEL



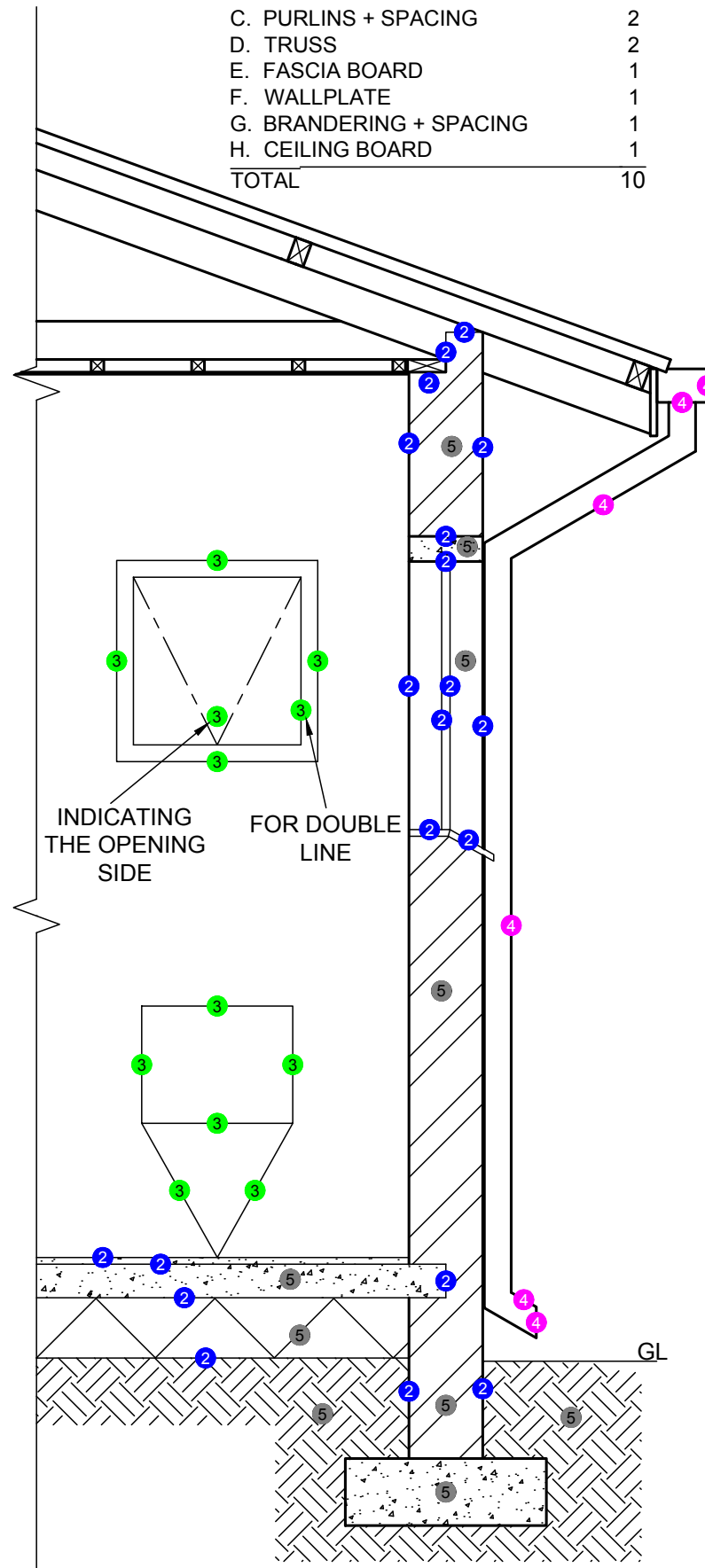
SOUTH ELEVATION
SCALE 1 : 50

1. MARK ALLOCATION FOR SECTION OF ROOF

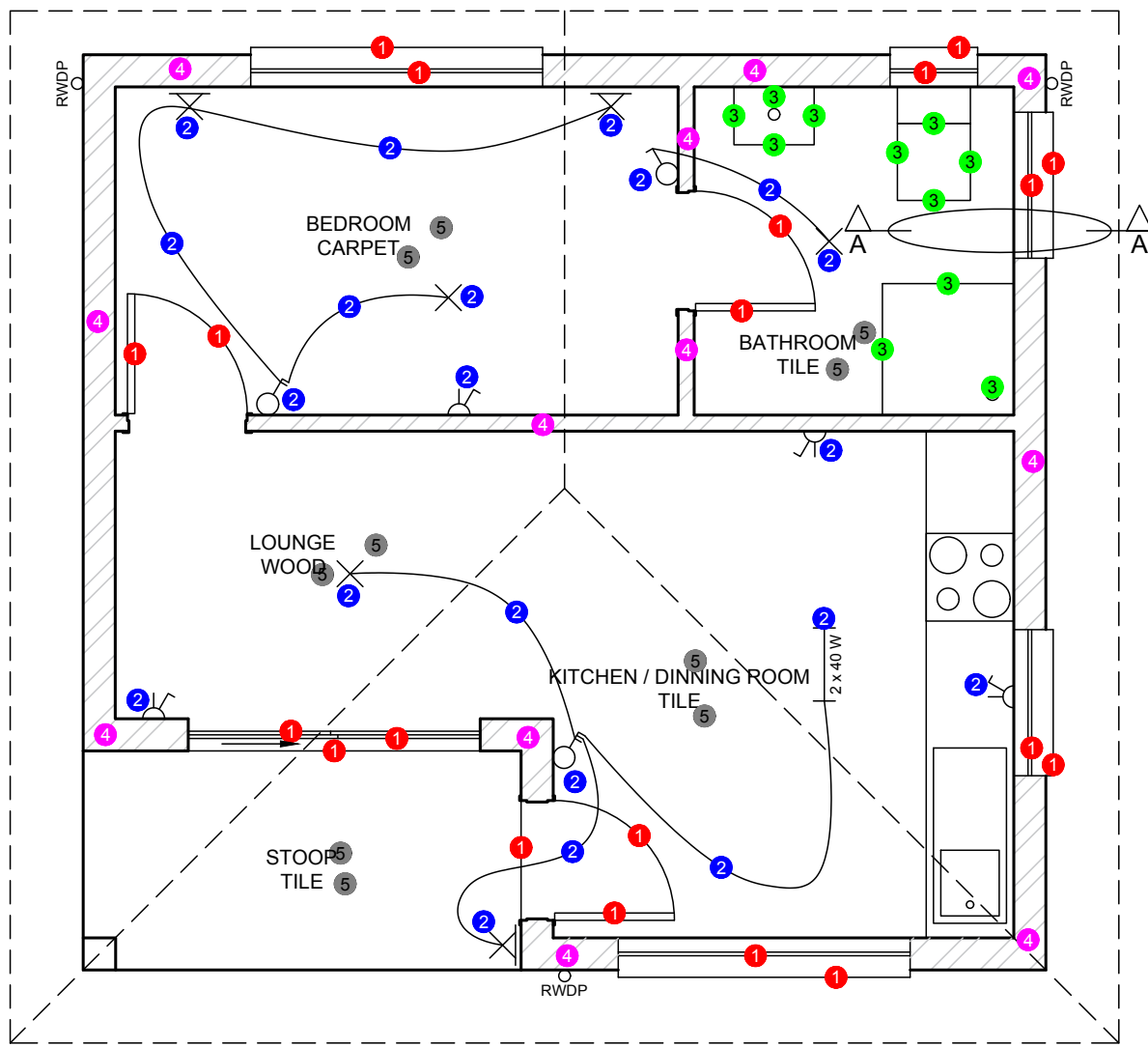
A. ROOF ANGLE	1
B. ROOF SHEET	1
C. PURLINS + SPACING	2
D. TRUSS	2
E. FASCIA BOARD	1
F. WALLPLATE	1
G. BRANDING + SPACING	1
H. CEILING BOARD	1
TOTAL	10

1. MARK ALLOCATION FOR ROOF SECTION

A (1)	
B (1)	
C (2)	
D (2)	
E (1)	
F (1)	
G (1)	
H (1)	
I (1)	
TOTAL	



SECTION A-A
SCALE 1 : 20



FLOOR PLAN
SCALE 1 : 50

ASSESSMENT CRITERIA

FLOOR PLAN

1	DOORS + WINDOWS	10		
2	ELECTRICAL	10½		
3	FIXTURES	5½		
4	HATCHING	7		
5	LABELS	5		
SUB TOTAL		38		

SOUTH ELEVATION

1	ROOF	2		
2	WALL + RWDP + FFL	10½		
3	DOOR + WINDOW	7½		
4	LABELS	1		
SUB TOTAL		21		

DETAILED SECTION

1	ROOF	10		
2	FOUNDATION + WALL + SLAB	10		
3	FIXTURE + WINDOW	6		
4	GUTTER + RWDP	3		
5	HATCHING	4		
SUB TOTAL		33		

TOTAL 92

PENALTIES (-)

GRAND TOTAL