

MARKING GUIDELINES

EXAMINATION	NATIONAL SENIOR CERTIFICATE
DATE	2024
SUBJECT	ENGINEERING GRAPHICS AND DESIGN
PAPER	1
MARKS	100
TIME	3 Hours
NUMBER OF PAGES	7



SOUTH AFRICAN COMPREHENSIVE ASSESSMENT INSTITUTE
SUID-AFRIKAANSE KOMPREENSIEWE ASSESSERINGSINSTITUUT

FINAL APPROVED MARKING GUIDELINES	
DATE OF MEETING	
UMALUSI MODERATOR	
CHIEF MARKER	
INTERNAL MODERATOR	

ANSWERS		
1	10/01/2024✓	1
2	KIMBERLEY✓	1
3	CASIO CONSTRUCTION✓	1
4	2✓	1
5	23/11/2023✓	1
6	ASPHALT✓	1
7	13✓	1
8	3,5✓	1
9	1 : 40✓	1
10	TO BE DEMOLISHED/ REMOVED✓	1
11	INSPECTION CHAMBER✓	1
12	DIRECTION OF FLOW✓	1
13	RE✓	1
14	SLIDING/ OPENING DIRECTION✓	1
15	PROPOSED OFFICE EXTENDS PAST BUILDING LINE✓✓	2
16	(6 x 2,5) x 9 = 135 m ² ✓✓	2
17	NORTH-WEST/ NW✓✓	2
18	SEE ANSWER 18, 19 & 20 BELOW.	3
19		3
20		4
TOTAL:		30

ANSWER 18

$$2(15 + 4) + 2(15 + 5)✓$$

$$= 78✓$$

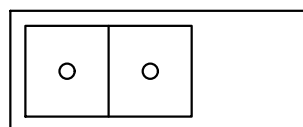
(in metres✓)

ANSWER 19

$$(10 \times 15) + (25 \times 26) + 117✓$$

$$= 917✓\text{m}^2✓$$

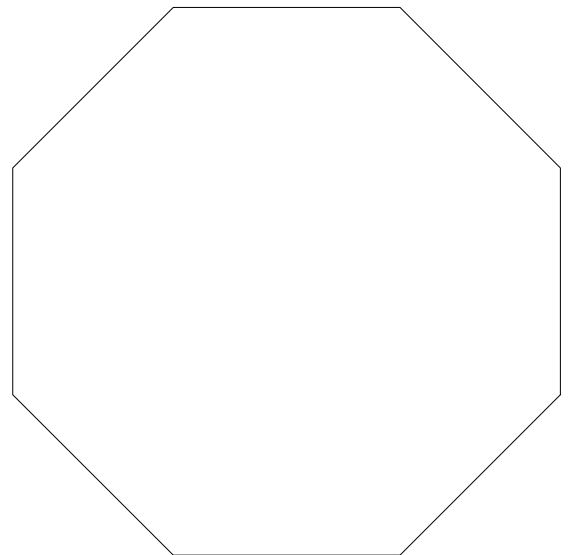
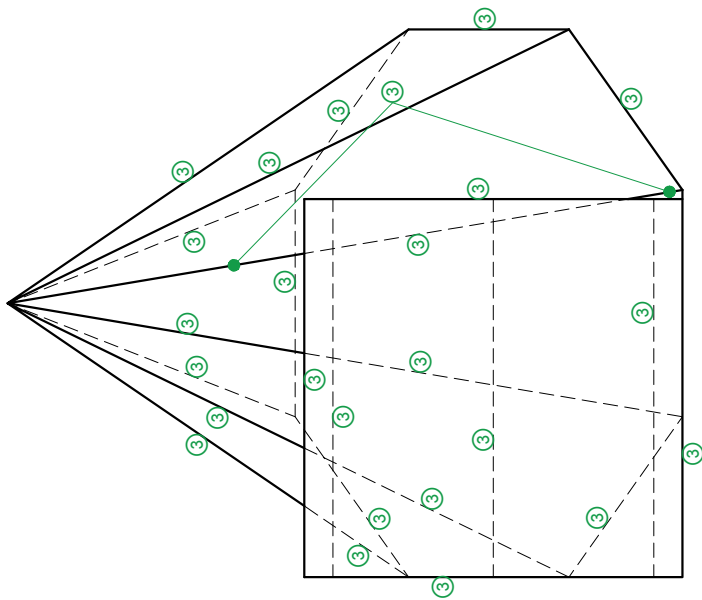
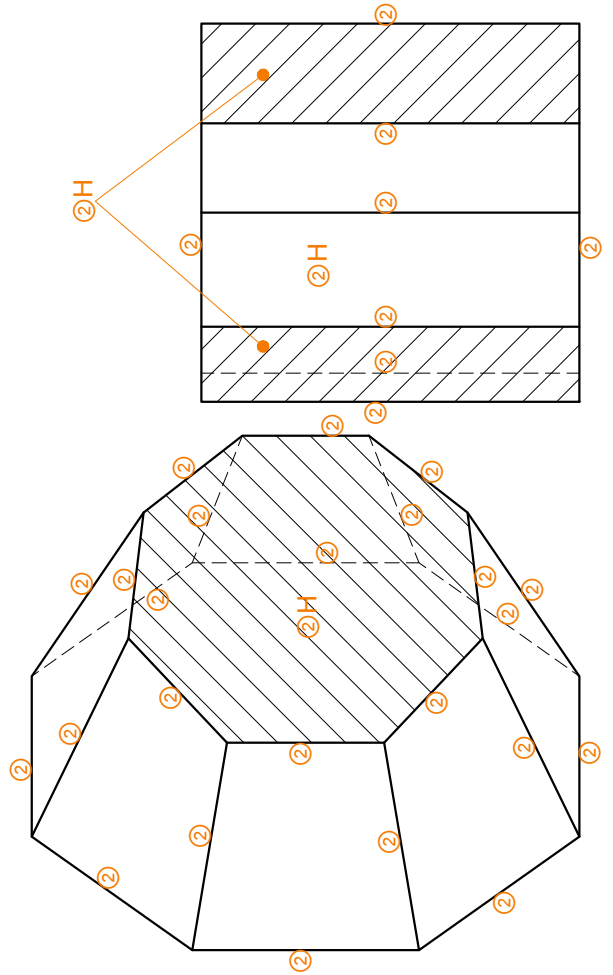
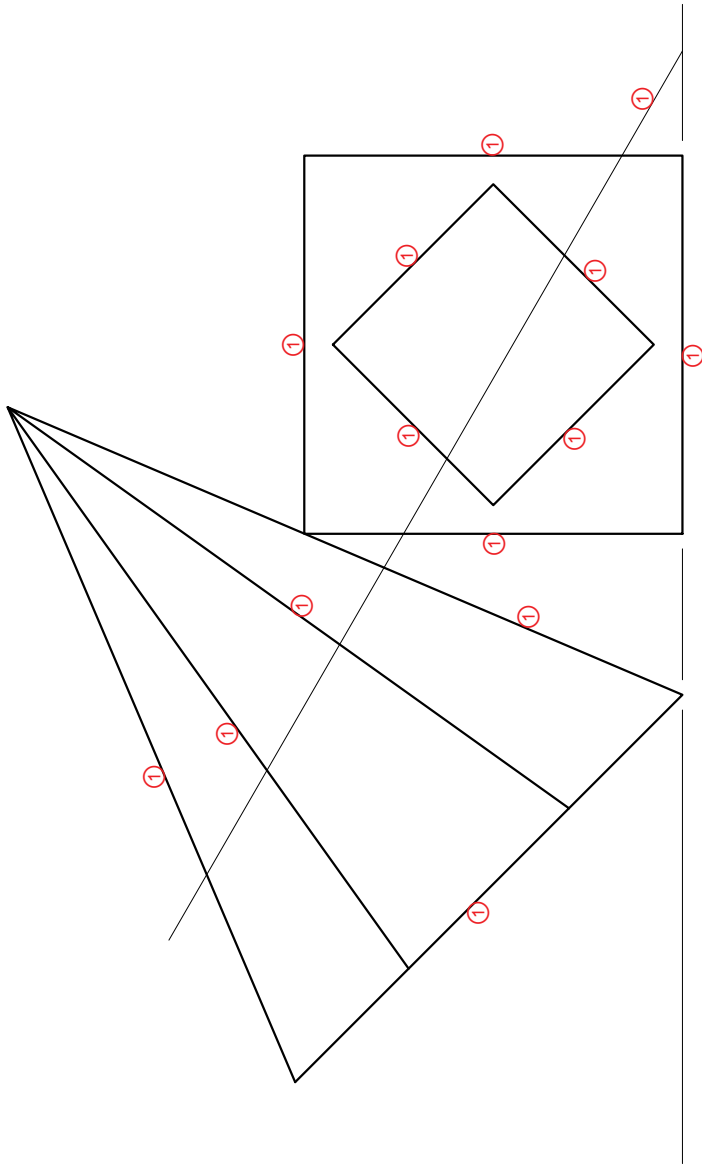
ANSWER 20

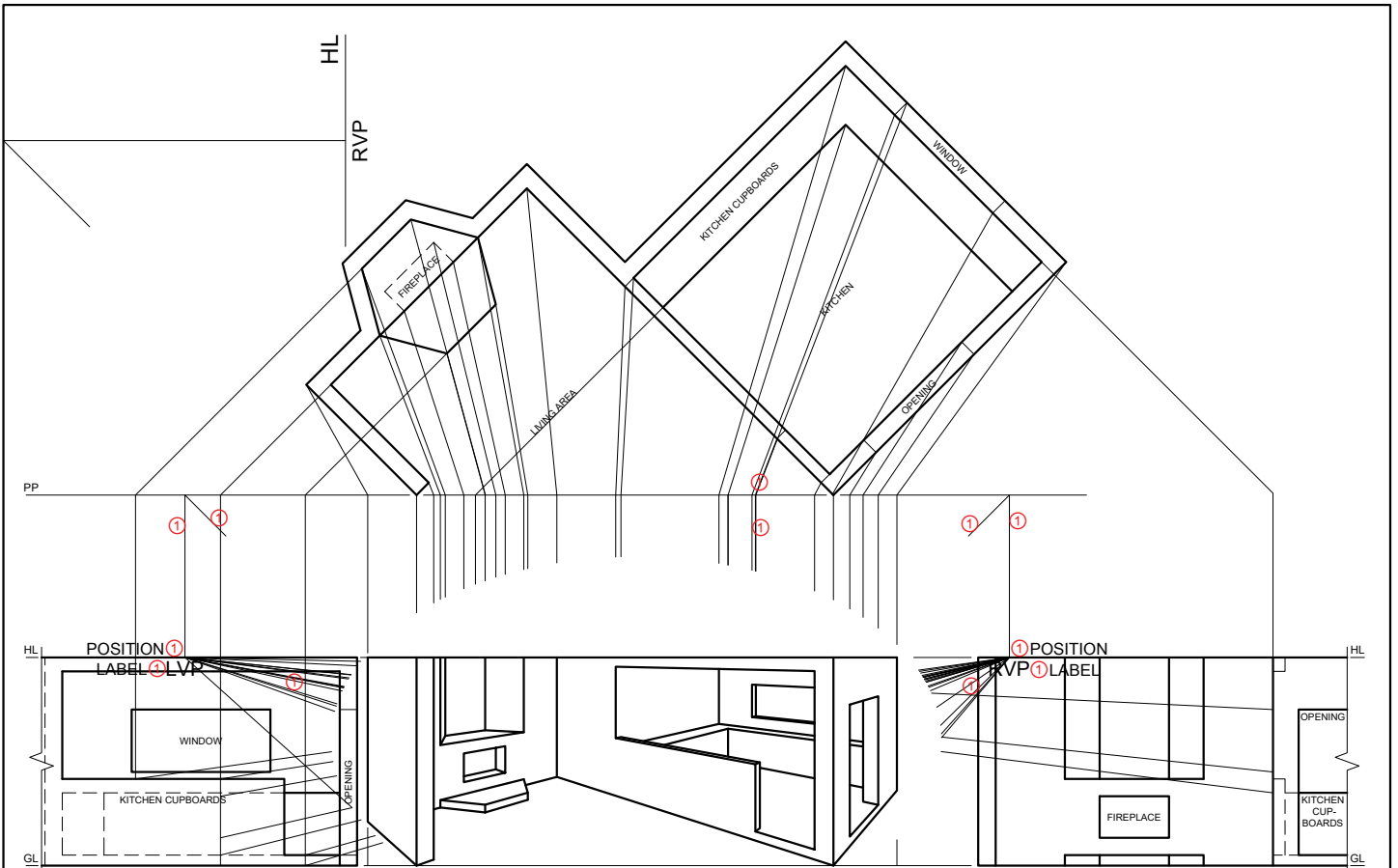


LARGE RECTANGLE	1
SMALL RECTANGLE	1
DIVIDING LINE	½
DRAINING HOLES x2	1
FREEHAND	½
	4

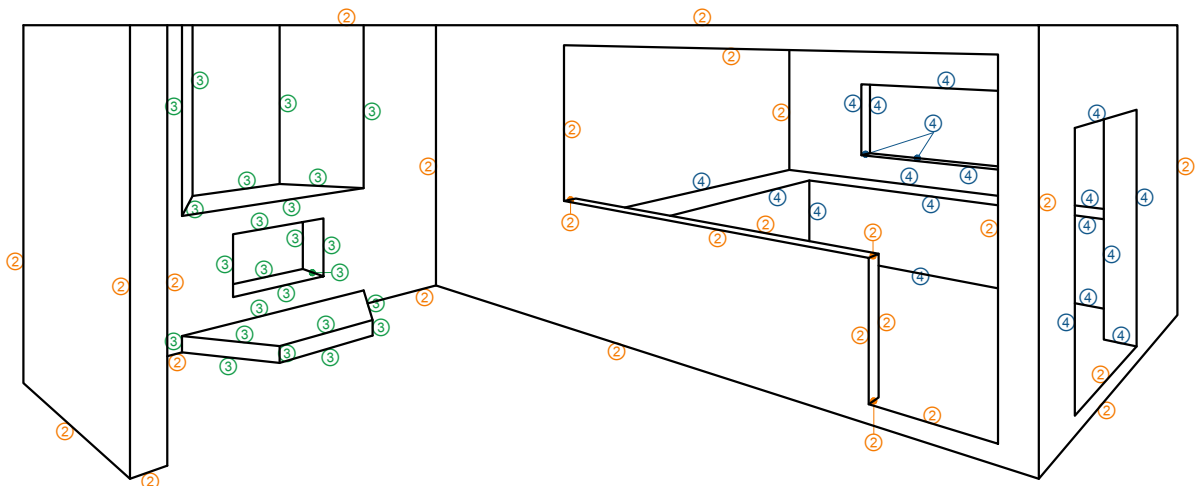
PAPER 1 QUESTION 2
SACAI NSC EXAM
MARKING GUIDELINES

ASSESSMENT CRITERIA		7	17 ½	12 ½	37
1	FRONT VIEW				
2	SECTIONAL TOP VIEW				
3	RIGHT VIEW				
TOTAL:					37





SP

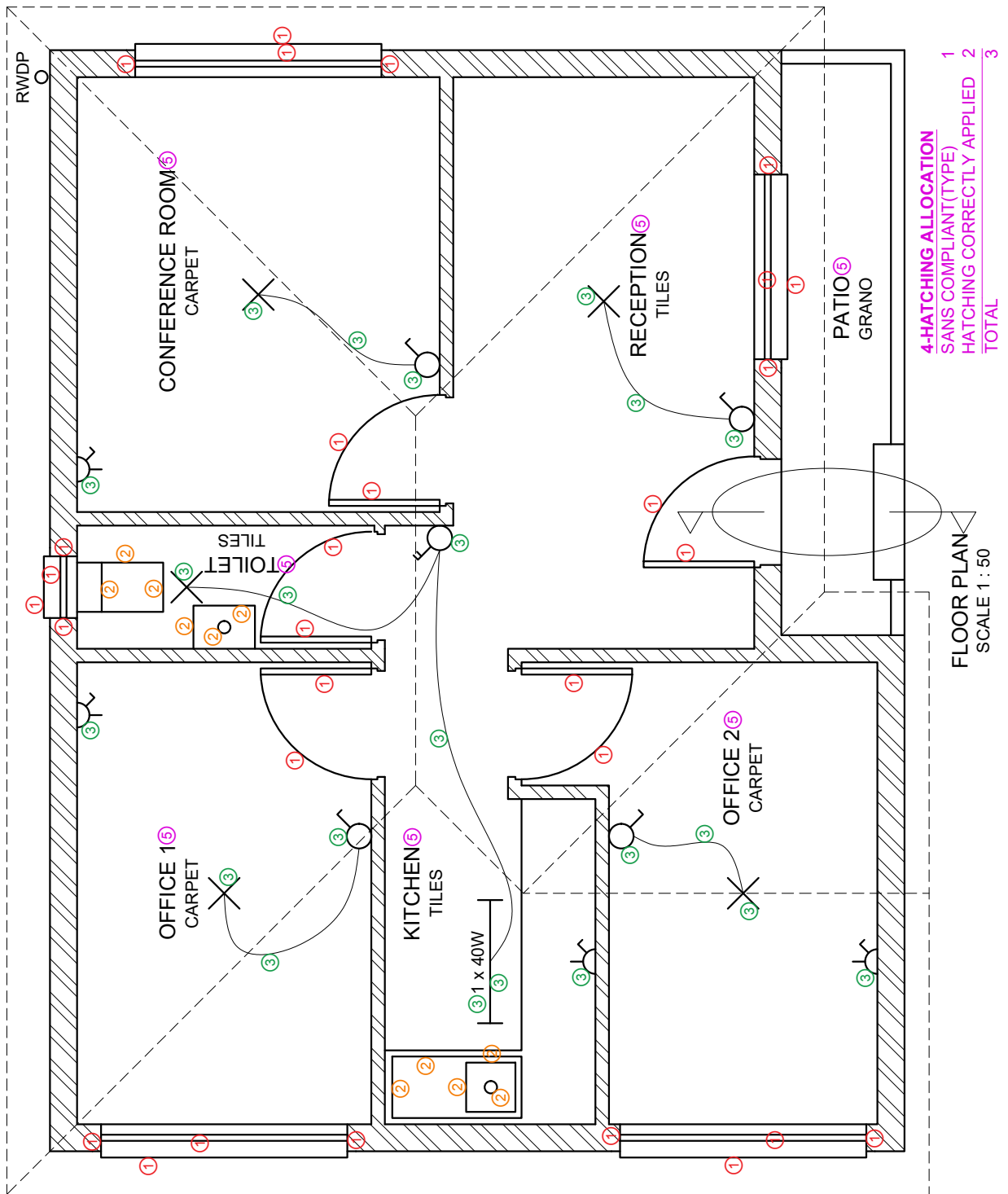


SP

PAPER 1 QUESTION 3
SACAI NSC EXAM
MARKING GUIDELINES

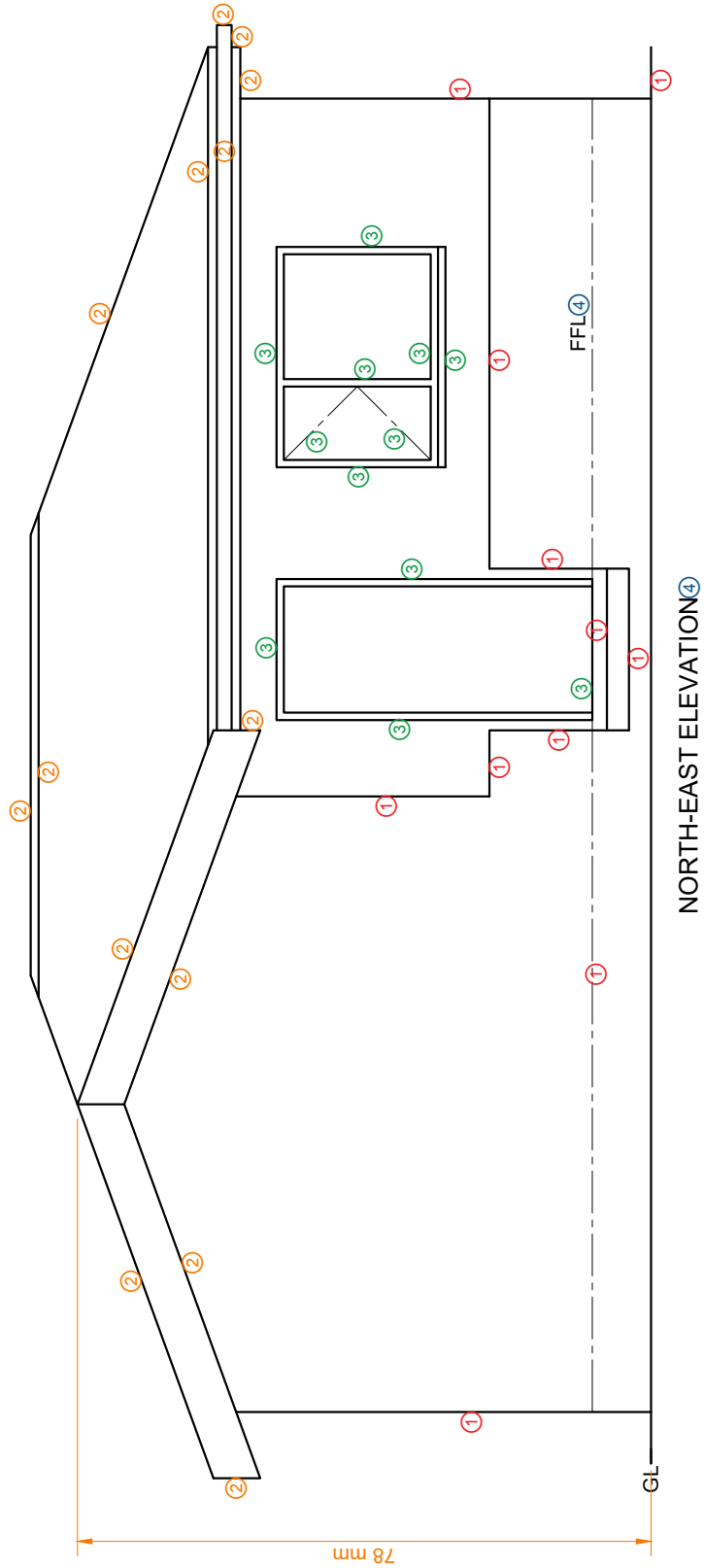
ASSESSMENT CRITERIA		
1	CONSTRUCTION & VPs	6
2	FLOOR + WALLS + STEP	13 ½
3	FIREPLACE	12
4	WINDOW + OPENING + CUPBOARDS	9 ½
TOTAL:		41

PAPER 1 QUESTION 4.1.1
SACAI NSC EXAM
MARKING GUIDELINES



ASSESSMENT CRITERIA		
FLOOR PLAN		
1	WINDOWS + DOORS	15
2	FIXTURES	5½
3	ELECTRICAL	11
4	HATCHING	3
5	LABELS	3½
SUBTOTAL:		38

PAPER 1 QUESTION 4.1.2
SACAI NSC EXAM
MARKING GUIDELINES

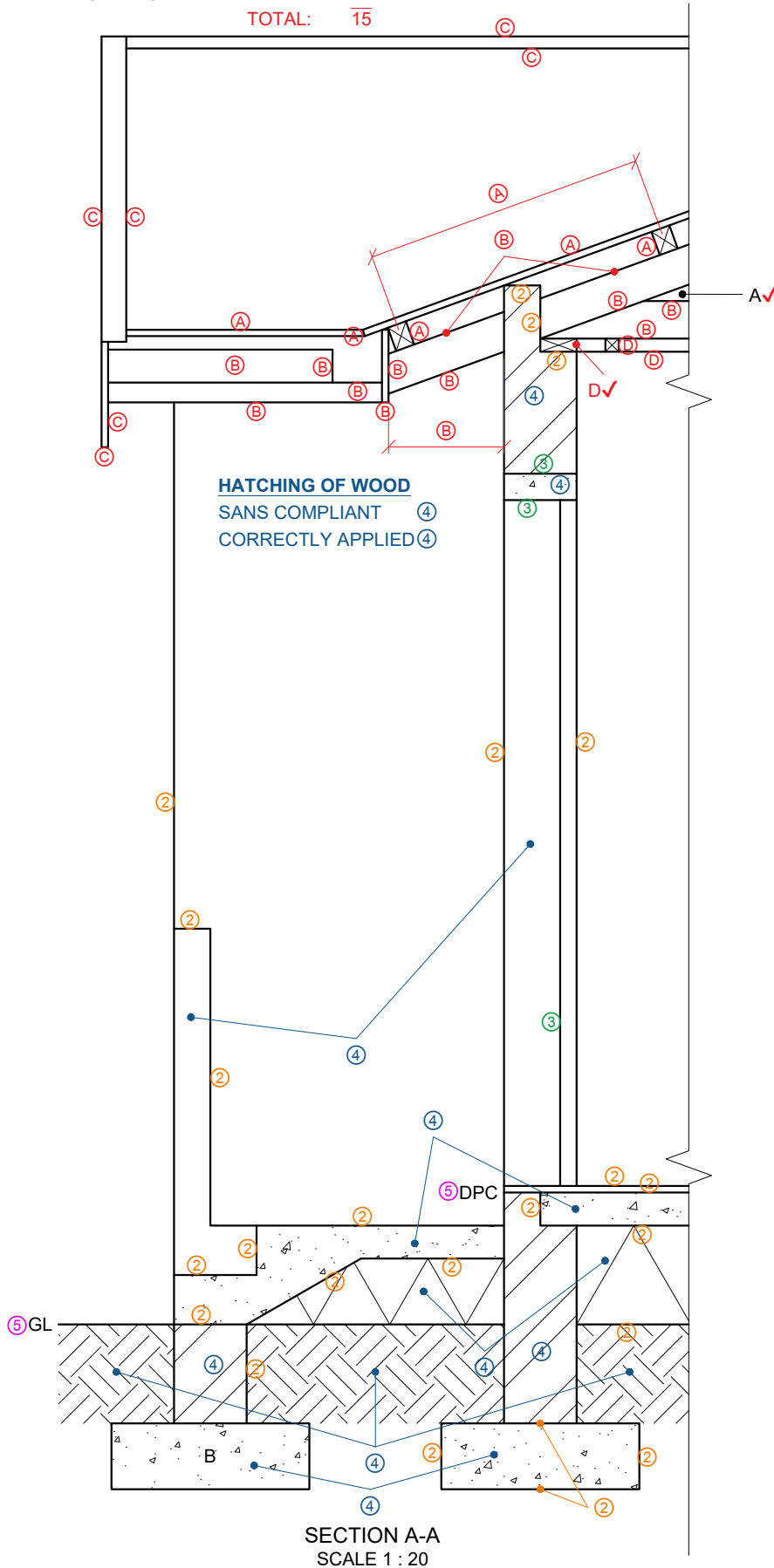


ASSESSMENT CRITERIA	
NORTH-EAST ELEVATION	
1	WALLS + FFL 5½
2	ROOF 7
3	DOOR + WINDOW 6
4	LABELS 1
SUBTOTAL: 19½	

1-ROOF MARK ALLOCATION

- A. ROOF ANGLE+ROOF SHEET+PURLIN+SPACING 4
- B. TRUSS+OVERHANG+ FASCIA+GUTTER 6
- C. BARGEBOARD+ROOFCAP 3
- D. WALLPLATE+BRANDERING +CEILING 2

TOTAL: 15



PAPER 1 QUESTION 4.2
SACAI NSC EXAM
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ASSESSMENT CRITERIA		
DETAILED SECTION		
1	ROOF DETAIL	15
2	WALL + SLAB	11 ½
3	DOOR + LINTEL	1 ½
4	HATCHING	5 ½
5	LABELS	1
SUBTOTAL:		34 ½