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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P1

NOVEMBER 2019

MARKING GUIDELINES

MARKS: 100

These marking guidelines consist of 8 pages.

| ANSWERS | | | | | |
|---------|----------------------------------|----|--|--|--|
| 1 | CLARK | 1 | | | |
| 2 | 1818 | 1 | | | |
| 3 | KRYPTON PTY (LTD) | 1 | | | |
| 4 | 2018/12/20 | 1 | | | |
| 5 | VERIFY ALL DIMENSIONS AND LEVELS | 1 | | | |
| 6 | GRAVEL | 1 | | | |
| 7 | 6 m | 1 | | | |
| 8 | 2044 | 1 | | | |
| 9 | BROWN | 1 | | | |
| 10 | BUILD-IN CUPBOARD | 1 | | | |
| 11 | TO BE REMOVED | 1 | | | |
| 12 | NORTH | 1 | | | |
| 13 | IE | 1 | | | |
| 14 | SHRUBBERY | 1 | | | |
| 15 | SEPTIC TANK and FRENCH DRAIN | 2 | | | |
| 16 | SOUTH WEST | 1 | | | |
| 17 | CLUBHOUSE, DECK, POOL | 3 | | | |
| 18 | | 3 | | | |
| 19 | See below | 3 | | | |
| 20 | | 4 | | | |
| | TOTAL | 30 | | | |

ANSWER 18

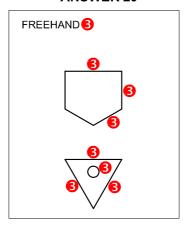
AB + BC + CD + DE + EF + FG + GA = 16.06 + 7.05 + 23.36 + 26.41 + 18.07 + 53.16 + 47.69 = 191.80 m 🗸

ANSWER 19

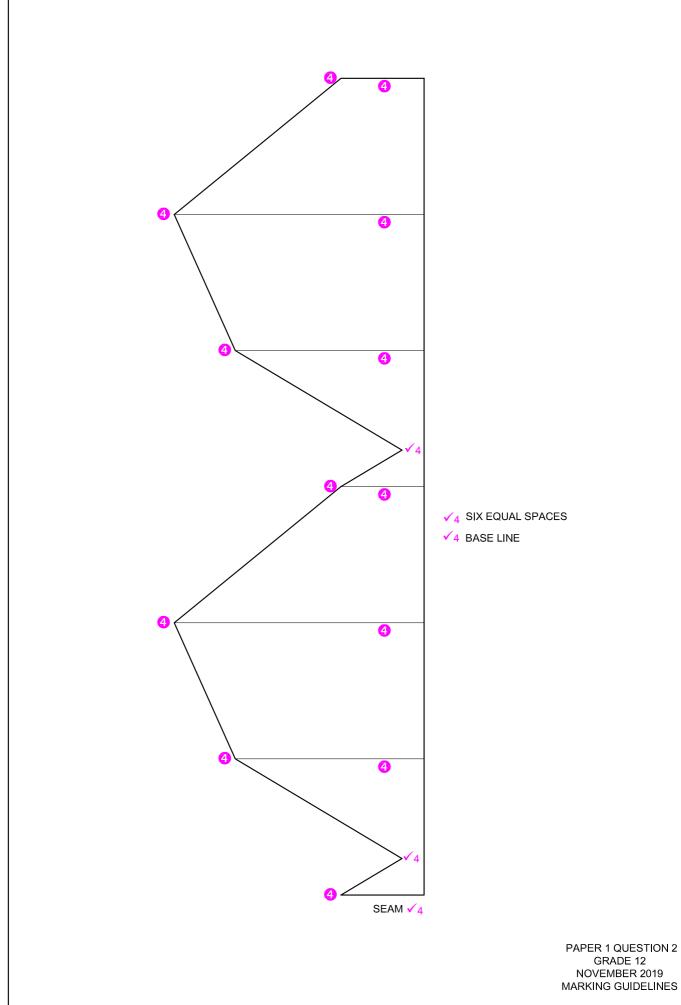
AREA $= (5 \times 6) + (7 \times 4)$ = 30 + 28 $= 58m^{2}$ $= 5.3 \times 5.95$ $= 31.54 m^2$ $=3 \times 5$ $= 15m^2$ AREA = 58 + 31.54 + 15

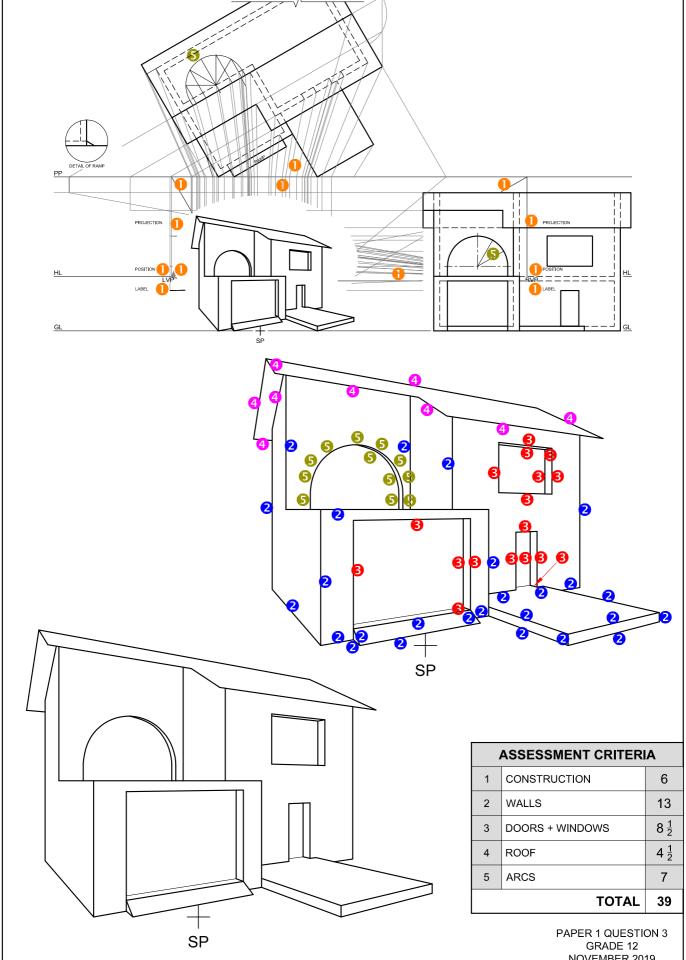
 $= 104.54 \text{m}^2$

ANSWER 20



PAPER 1 QUESTION 1 GRADE 12 NOVEMBER 2019 MARKING GUIDELINES

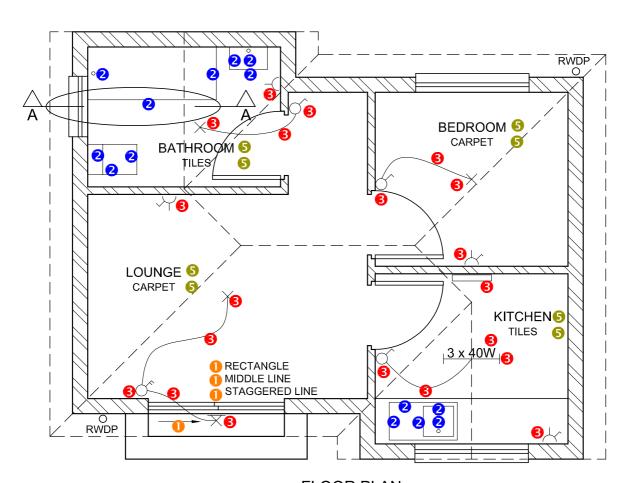




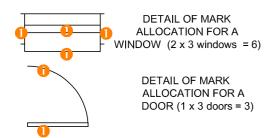
NOVEMBER 2019 MARKING GUIDELINE

| FLOOR PLAN | | | | |
|------------|--------------------|----|--|--|
| 1 | DOORS + WINDOWS | 11 | | |
| 2 | FIXTURES | 7 | | |
| 3 | ELECTRICAL | 10 | | |
| 4 | HATCHING | 3 | | |
| 5 | LABELS | 4 | | |
| s | UBTOTAL | 35 | | |

4 HATCHING ALLOCATION SANS COMPLIANT (TYPE) HATCHING CORRECTLY APPLIED TOTAL

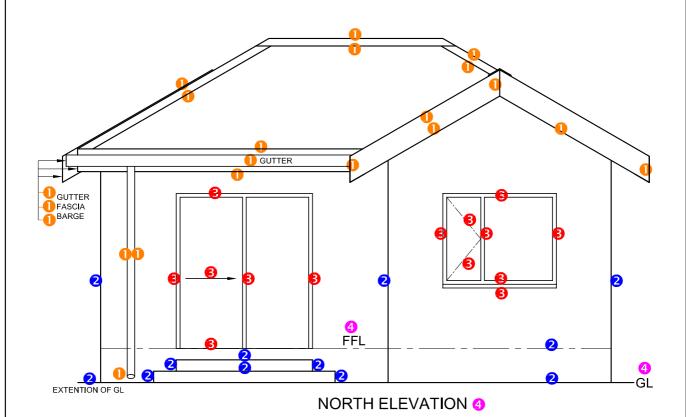


FLOOR PLAN SCALE 1:50

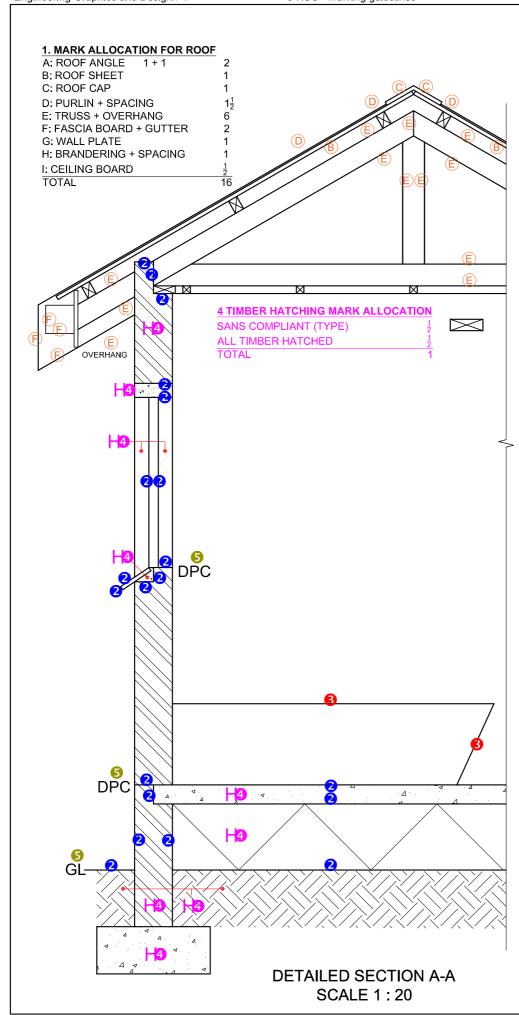


PAPER 1 QUESTION 4 GRADE 12 NSC 2019 MARKING GUIDELINES

| NO | NORTH ELEVATION | | | | |
|----------|-----------------------|------|--|--|--|
| 1 | ROOF + RWDP | 10 ½ | | | |
| 2 | WALLS + STEP + FFL | 6 | | | |
| 3 | DOOR + WINDOW | 7 | | | |
| 4 | LABELS | 1 ½ | | | |
| SUBTOTAL | | 25 | | | |



PAPER 1 QUESTION 4 GRADE 12 NSC 2019 MARKING GUIDELINES



| DETAILED SECTION | | | | | |
|------------------|----------------------------------|-----|--|--|--|
| 1 | ROOF DETAIL | 16 | | | |
| 2 | FOUNDATION + WALL + WINDOW | 10 | | | |
| 3 | ВАТН | 1 | | | |
| 4 | HATCHING | 5 ½ | | | |
| 5 | LABELS | 1 ½ | | | |
| s | UBTOTAL | 34 | | | |

PAPER 1 QUESTION 4 GRADE 12 NSC 2019 MARKING GUIDELINES