

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

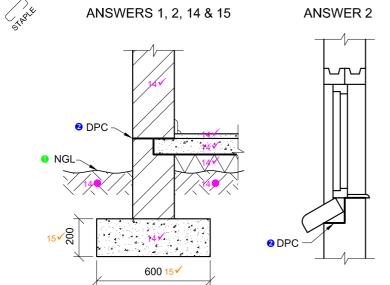
ENGINEERING GRAPHICS AND DESIGN P1

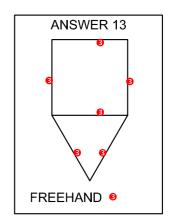
NOVEMBER 2010

MEMORANDUM

MARKS: 100

This memorandum consists of 5 pages.





| ANSWERS | | |
|---------|---|-------------------------------|
| 1 | | 1/2 |
| 2 | | 1 |
| 3 | A. RAFTER | 1 |
| | B. GANG NAIL/TRUSS PLATE/NAIL PLATE | 1 |
| | C. TIE BEAM | 1 |
| | D. WALL PLATE | 1 |
| 4 | TILES | 1 |
| 5 | LINTEL/BEAM | 1 |
| 6 | TO CARRY/SUPPORT THE WEIGHT ABOVE THE WINDOW. | 1 |
| 7 | TO INDICATE THAT THE WALL IS CONTINUING | 1 |
| 8 | CAVITY WALL | 1 |
| 9 | FOR DISABLED PEOPLE | 1 |
| 10 | 3 | 1 |
| 11 | ND6/6 & ND9/12 | 2 |
| 12 | $5.766 \times 5.036 = 29.0376 \text{ m}^2$ $2.124 \times 2.124 = 4.5114 \text{ m}^2$ $4.5114 / 2 = 2.2557 \text{ m}^2$ $29.0376 - 2.2557$ $= 26.7819 \text{ / m}^2 \text{ / m}^2$ | 4 |
| 13 | | 3 ¹ / ₂ |
| 14 | | 6 |
| 15 | | 2 |

TOTAL: 30

PAPER 1 QUESTION 1 GRADE 12 NOVEMBER 2010 MEMORANDUM

