

# basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

# NATIONAL SENIOR CERTIFICATE

**GRADE 12** 

## **ENGINEERING GRAPHICS AND DESIGN P1**

**NOVEMBER 2021** 

**MARKING GUIDELINES** 

**MARKS: 100** 

These marking guidelines consist of 8 pages.

ANSWERS		
1	JBV-500W	1
2	JOHN	1
3	2021-01-23	1
4	DUPLEX PRINTING	1
5	Ø 100	1
6	INSPECTION CHAMBER	1
7	DECIDUOUS	1
8	CONCRETE WALL	1
9	GATE <b>OPENING</b>	1
10	ADJACENT BUILDING/STRUCTURE/HOUSE	1
11	6	1
12	BROWN	1
13	CROSSES BUILDING LINE	2
14	1:40	1
15	13,2	2
16	B/TOP RIGHT/349,2	1
17	SOUTH EAST/SE	2
18		3
19	See the title panel	3
20		4
TOTAL		30

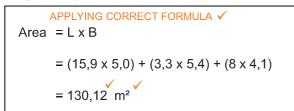
#### ANSWER 18

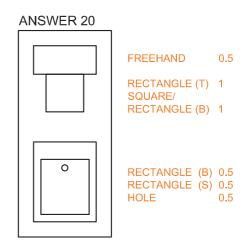
APPLYING CORRECT FORMULA ✓
Perimeter = AB + BC + CE + EG + FG + FA

= 38,16 + 60 + 3,6 + 33,8 + 34,56 + 26,2

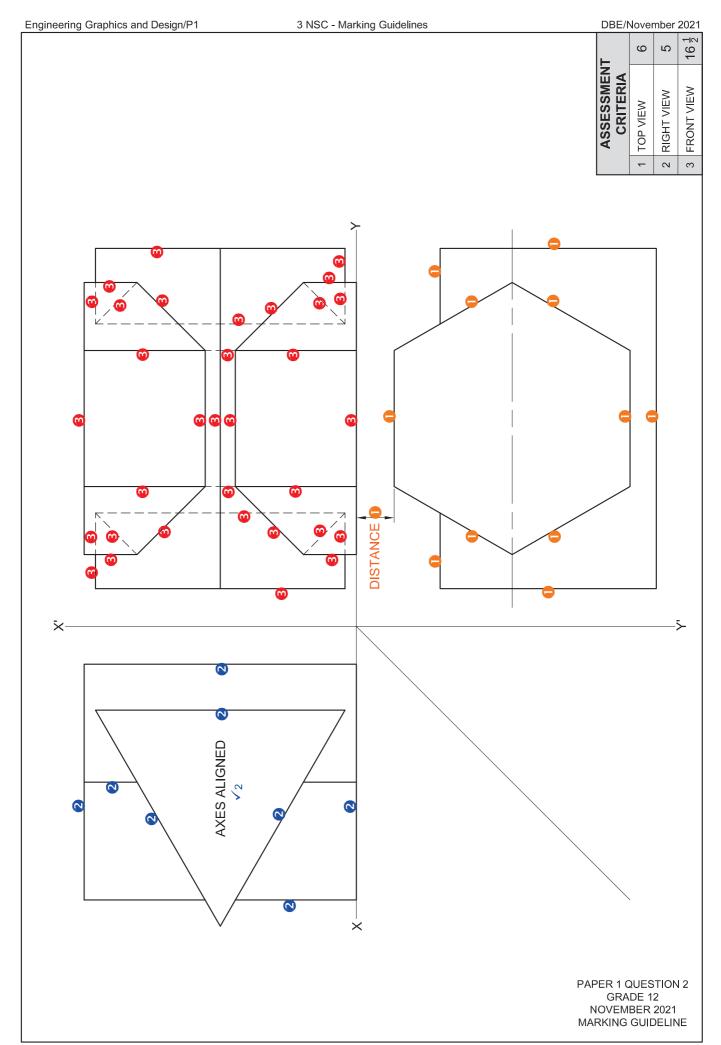
= 196, 32 CONVERTED TO METER

### ANSWER 19





PAPER 1 QUESTION 1 GRADE 12 NOVEMBER 2021 MARKING GUIDELINE



PAPER 1 QUESTION 2 GRADE 12 NOVEMBER 2021 MARKING GUIDELINE

SEAM 🚯

