higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

STRUCTURAL STEEL DETAILING

26 JULY 2018

This marking guideline consists of 6 pages.

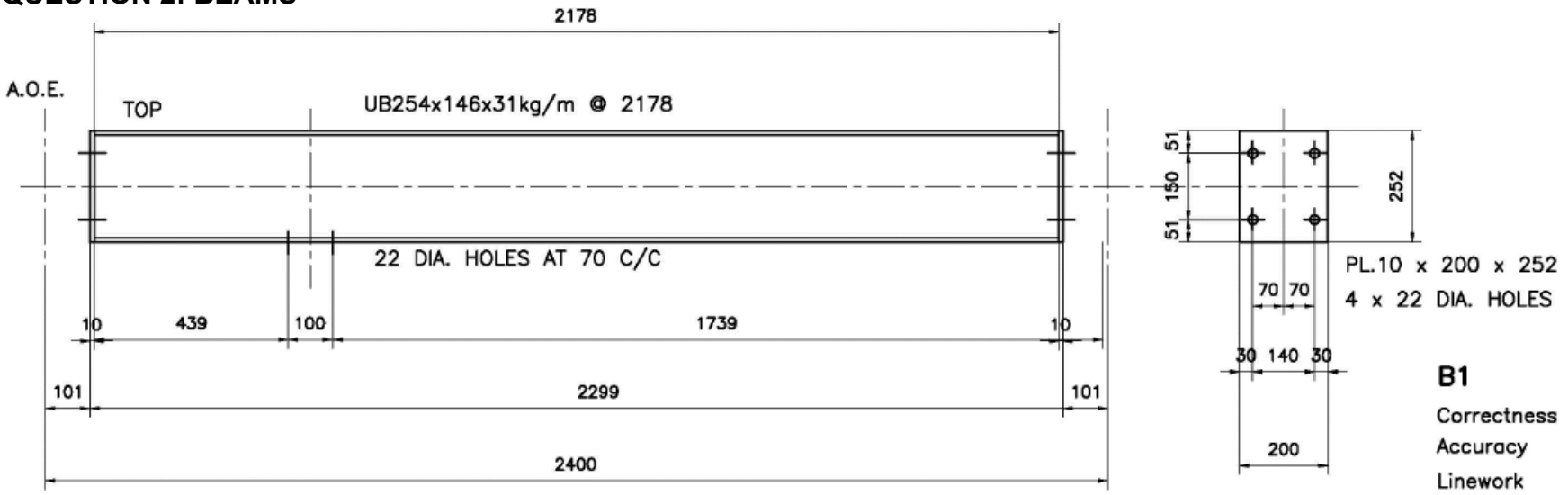
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QUESTION 1: INTRODUCTION

1.1 True
1.2 True
1.3 True
1.4 False
1.5 True
1.6 True
1.7 True
1.8 True
1.9 True
1.10 True

(10 × 1) **[10]**

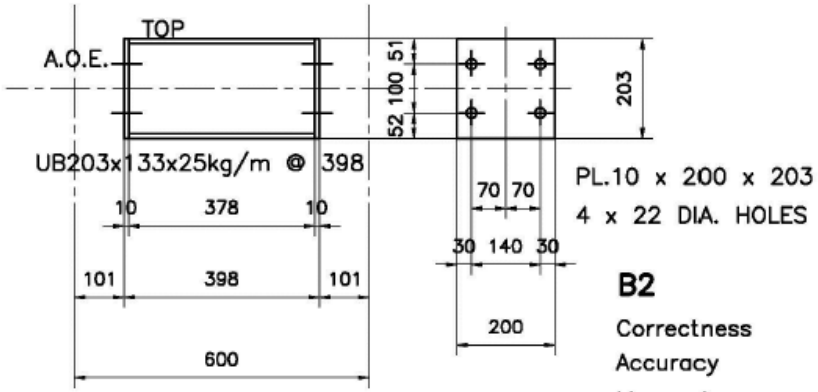
QUESTION 2: BEAMS



BEAM MARKED B1 –1– OFF
SCALE 1: 10

B1

Correctness	8
Accuracy	1
Linework	2
Dimensions	2
Title and scale	2
TOTAL	15



BEAM MARKED B2 –2– OFF
SCALE 1: 10

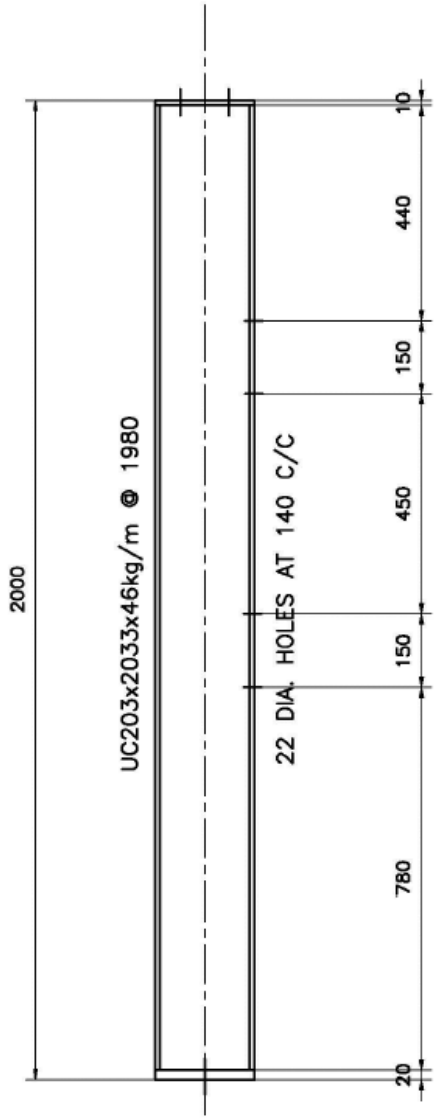
B2

Correctness	5
Accuracy	1
Linework	1
Dimensions	1
Title and scale	2
TOTAL	10

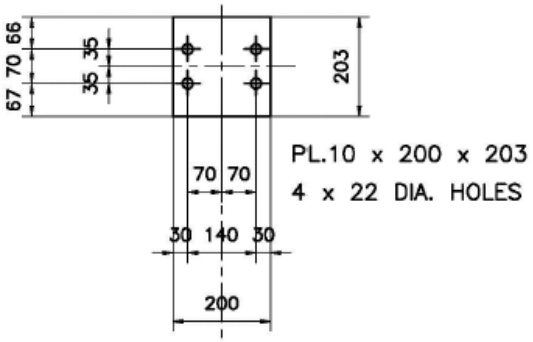
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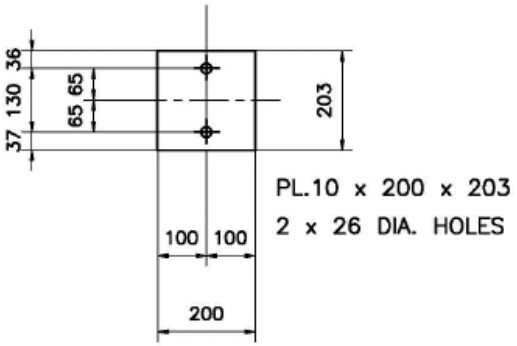
QUESTION 3: COLUMNS



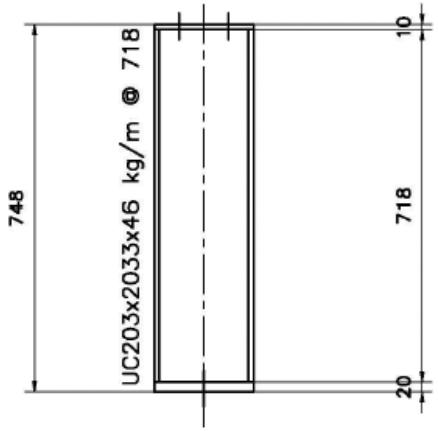
COLUMN MARKED C4 –1– OFF
SCALE 1: 10



COLUMN CAP PLATE C1,C2
SCALE 1: 10



COLUMN BASE PLATE C1,C2
SCALE 1: 10



COLUMN MARKED C2 –1– OFF
SCALE 1: 10

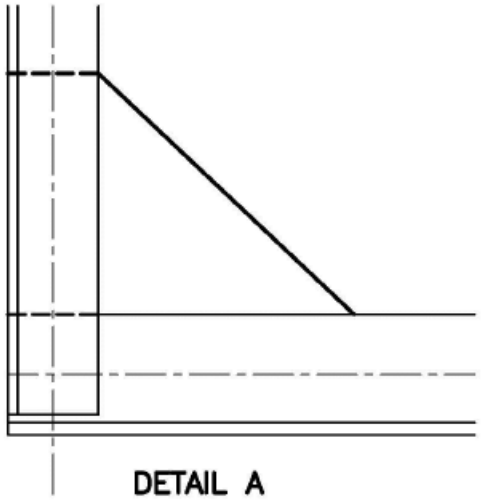
C2/C4

Correctness	14
Accuracy	2
Linework	1
Neatness	1
Dimensions	3
Title and scale	4
TOTAL	25

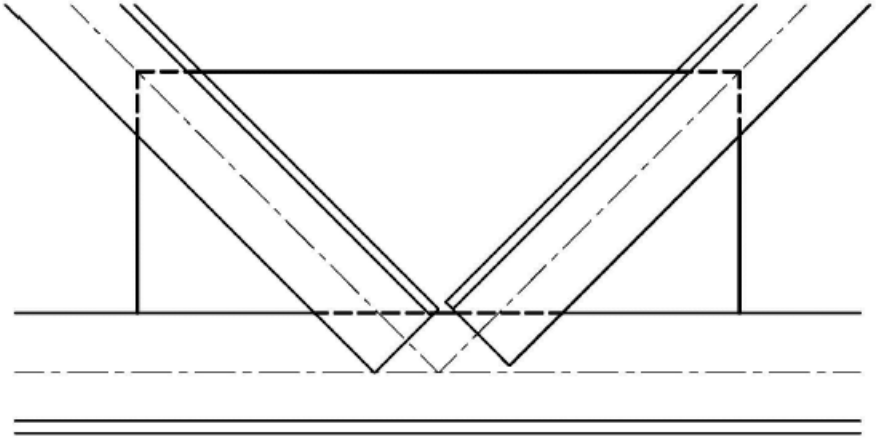
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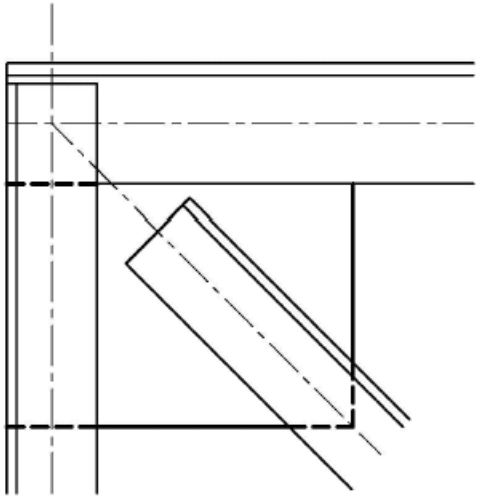
QUESTION 4: LATTICED GIRDERS



DETAIL A
SCALE 1: 5



DETAIL B
SCALE 1: 5



DETAIL C
SCALE 1: 5

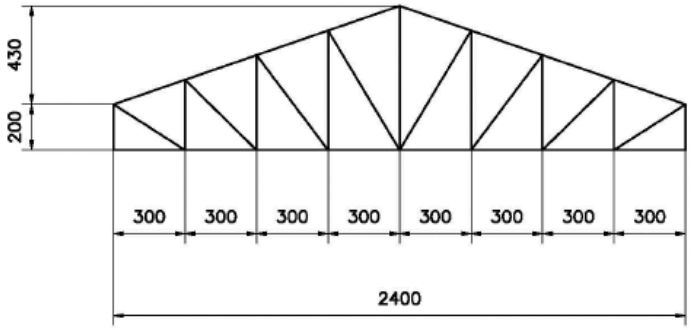
DETAIL A/B/C

Correctness	3
Linework	1/2
Neatness	1/2
Title and scale	1
TOTAL	3 x 5=15

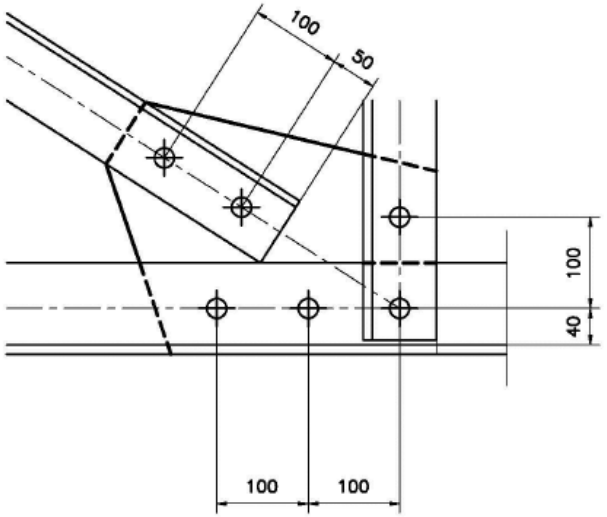
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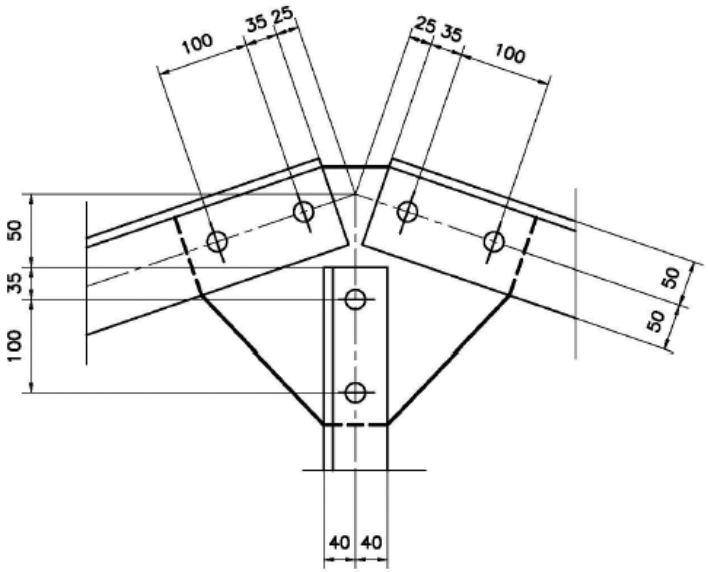
QUESTION 5: TRUSSES



TRUSS SYSTEM **(6)**
SCALE 1: 20



DETAIL A
SCALE 1: 5



DETAIL A
SCALE 1: 5

DETAIL A/B

Correctness	3
Dimensions	1
Linework	1
Neatness	1
Title and scale	1
TOTAL	2 x 7=14

[20]

TOTAL: 100

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