higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

COMPUTER-AIDED DRAUGHTING

11 APRIL 2018

This marking guideline consists of 6 pages.

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QUESTION 1: COMPUTER ORIENTATION

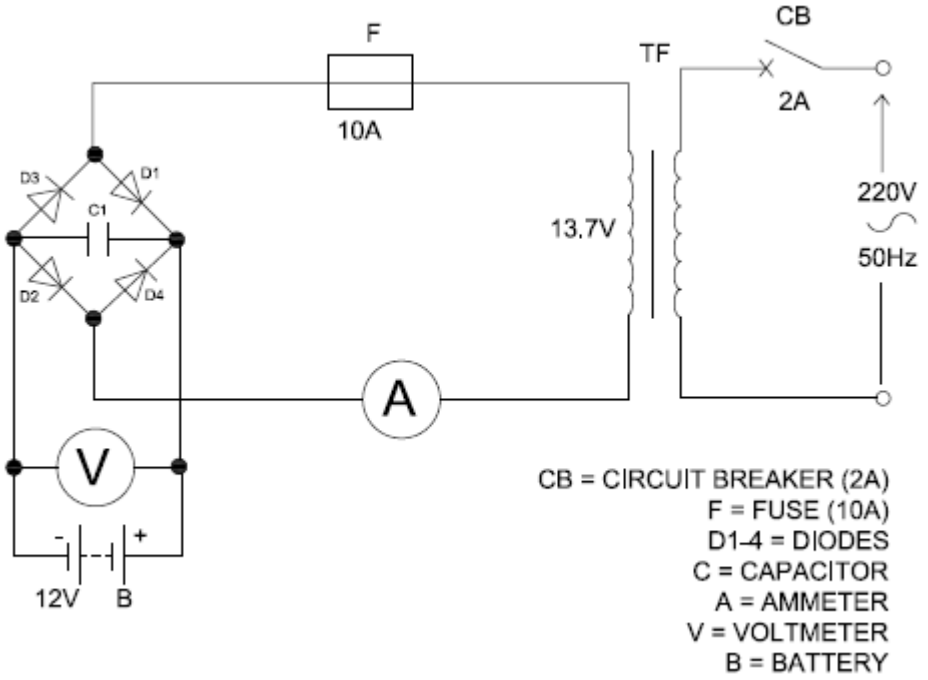
1.1
- Good quality drawings that are neat and accurate are produced.
- Changes can be made quickly and easily.
- Drawings can be recalled very quickly to save time.
- Drawings can easily be linked between professionals.
- Drawings or parts of drawings can be copied to other drawings to save time.
- Drawings on CAD can be linked to fabrication machines for accurate cutting, etc. (Any 4 × 2) (8)

1.2
- A complete CAD system is very expensive.
- A CAD driver/draughtsperson needs to be properly trained before they can use CAD effectively. (2 × 2) (4)

1.3 1.3.1 Workstation
1.3.2 Modem
1.3.3 E-mail

(3 × 1) (3)
[15]

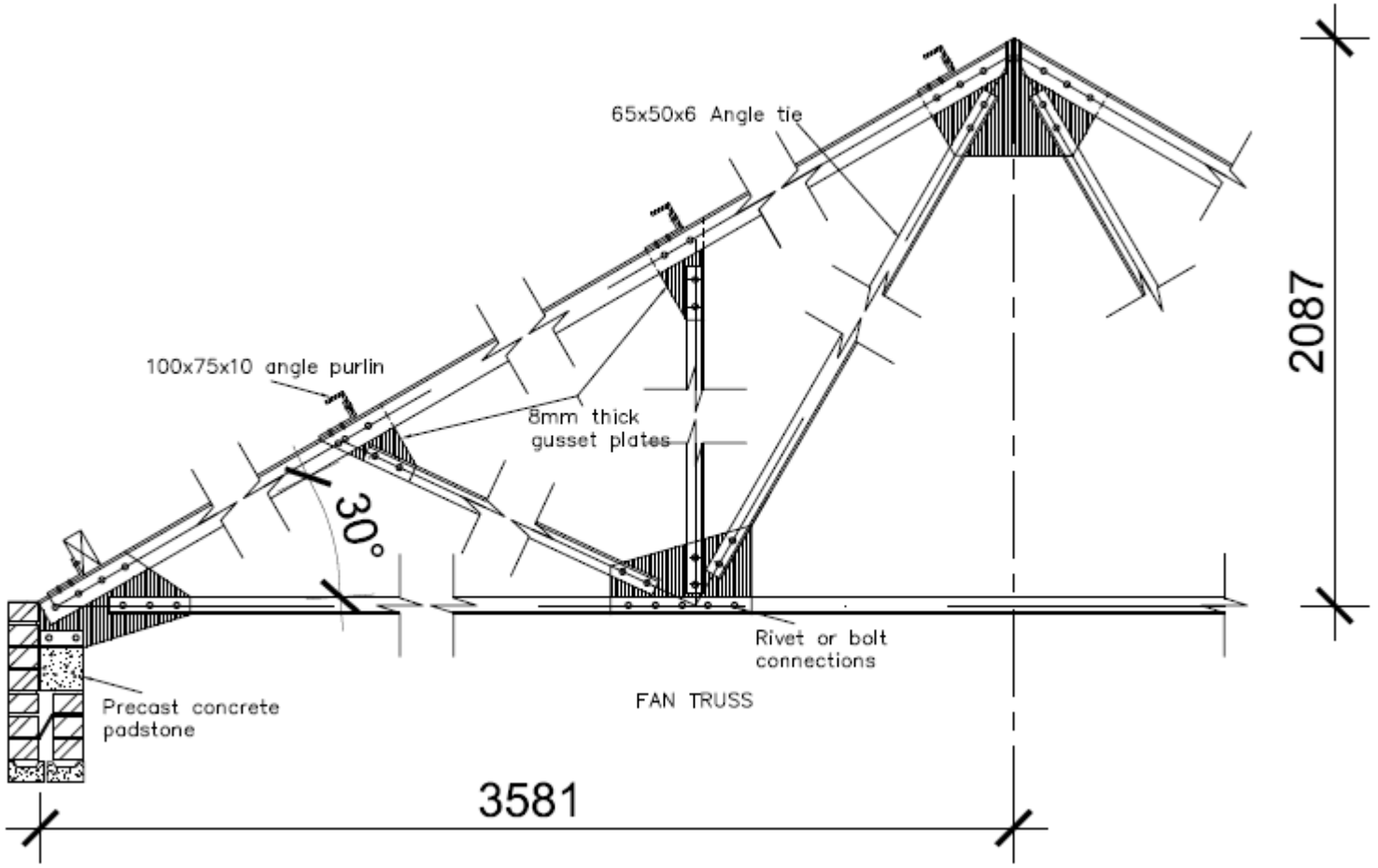
QUESTION 2: ELECTRICAL DRAUGHTING



ELECTRICAL CIRCUIT DIAGRAM

[15]

QUESTION 3: STRUCTURAL STEEL DETAILING

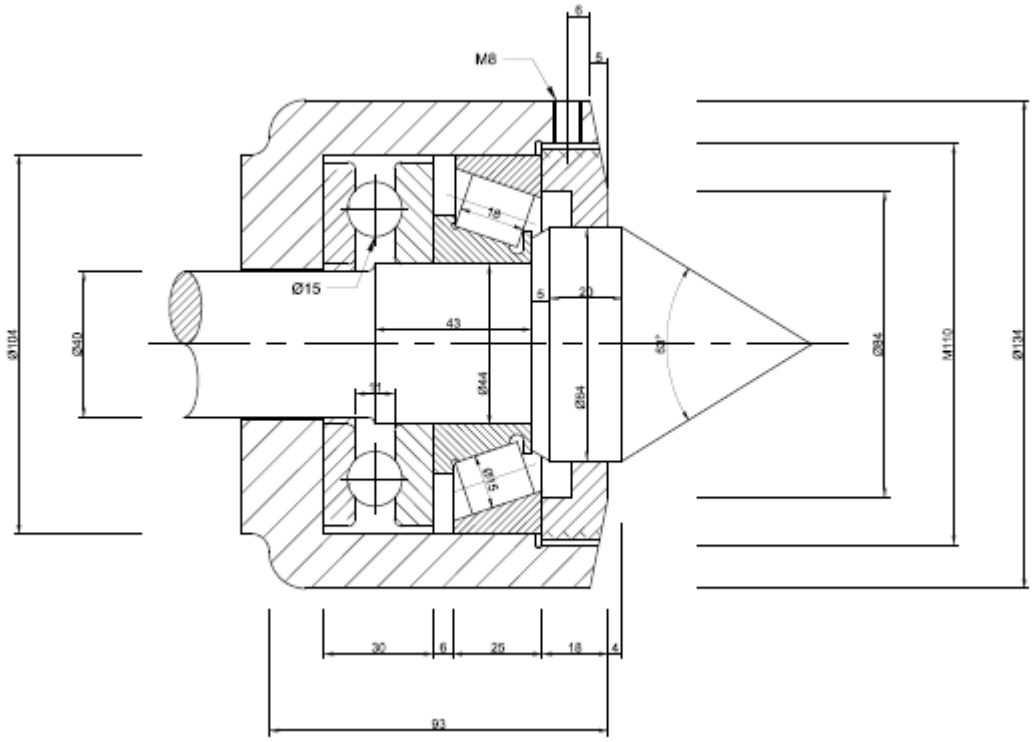


STRUCTURAL STEEL DETAILING

SCALE 1 : 25

[20]

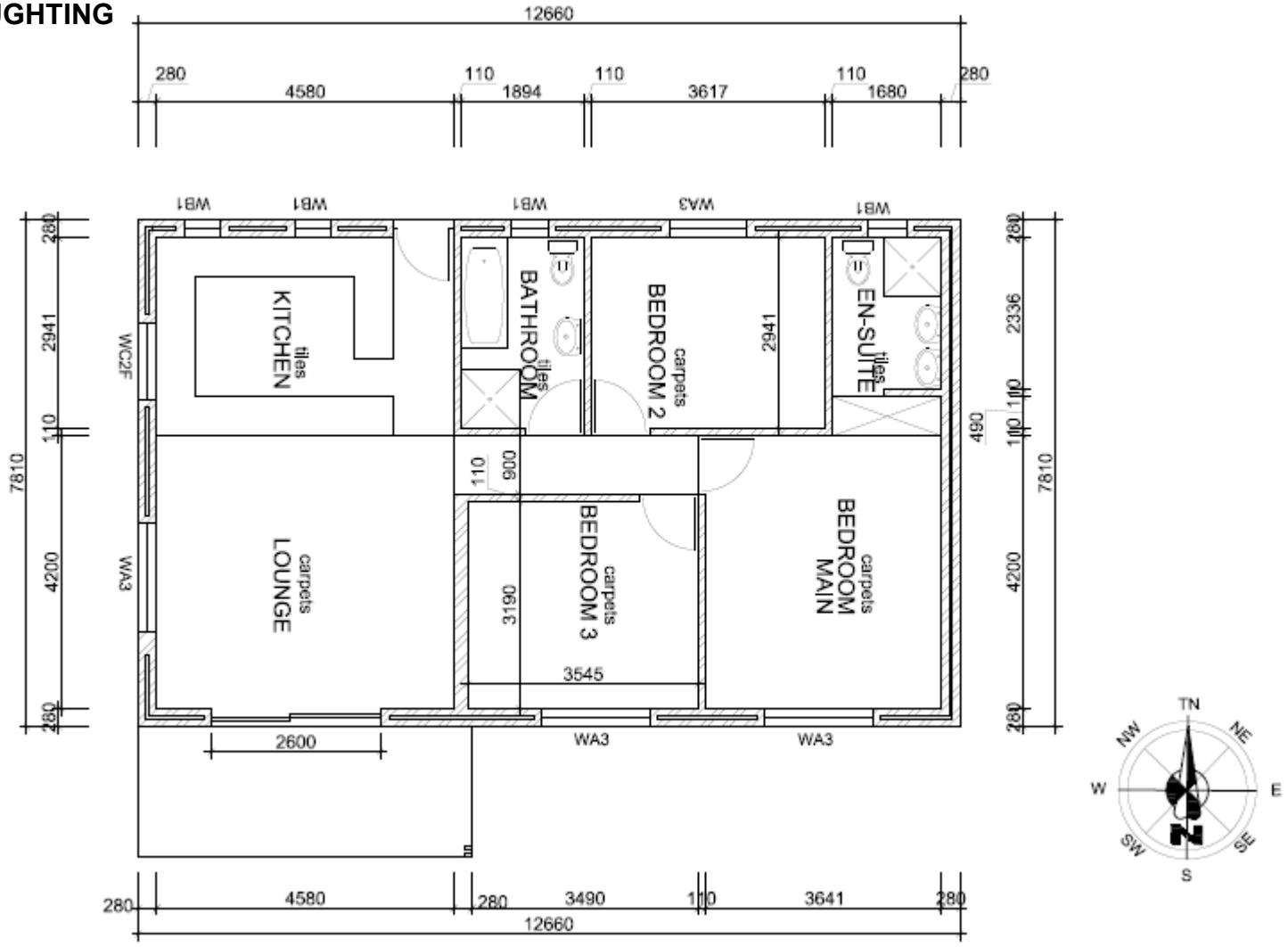
QUESTION 4: GENERAL AND MECHANICAL DRAUGHTING



A LIVE CENTRE FOR A LATHE

[20]

QUESTION 5: BUILDING DRAUGHTING



PLAN LAYOUT

SCALE 1 : 100 **[30]**

TOTAL: 100

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