higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

NOVEMBER EXAMINATION

BUILDING AND STRUCTURAL CONSTRUCTION N4

28 NOVEMBER 2016

This marking guideline consists of 9 pages.

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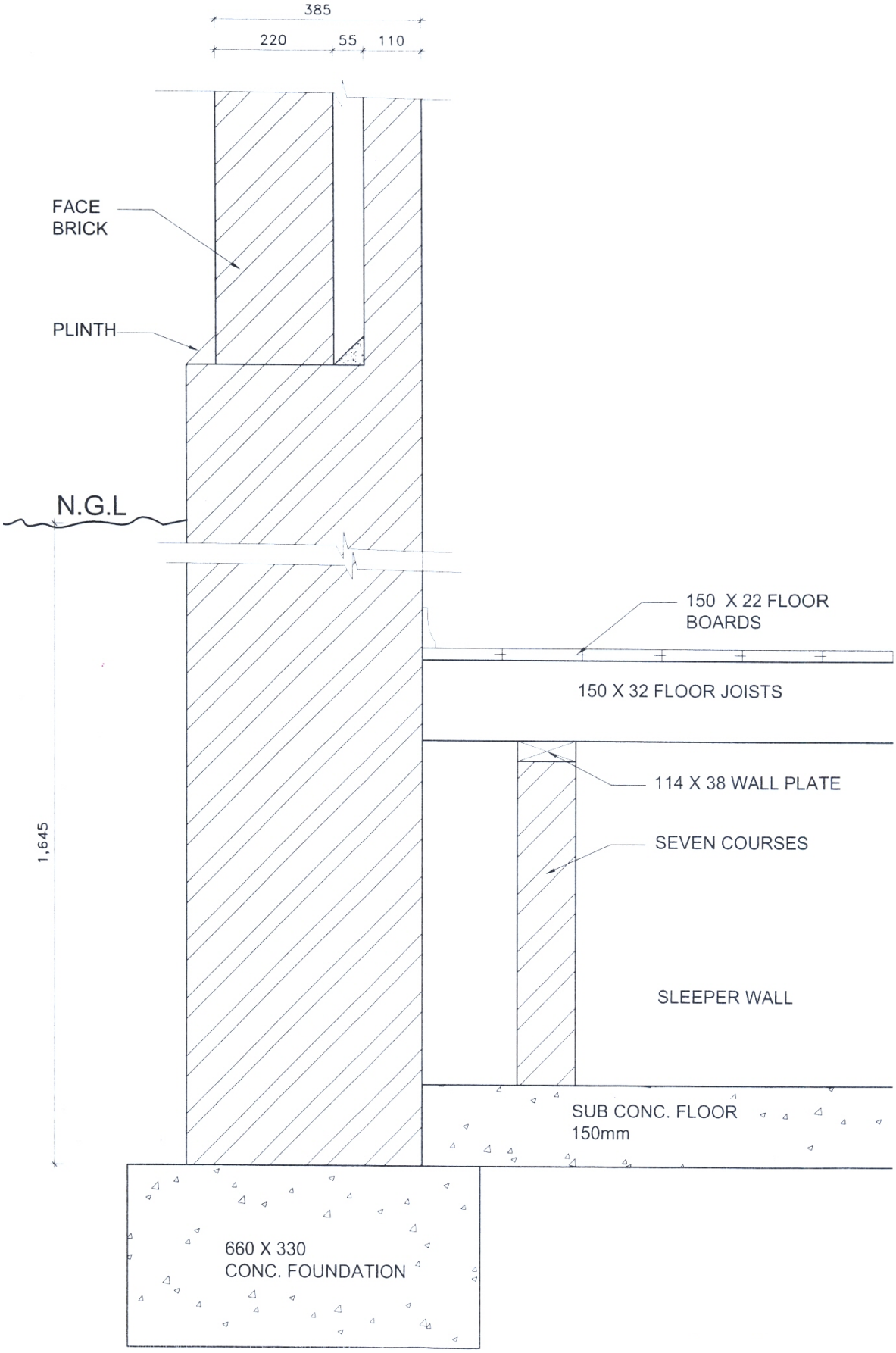
QUESTION 1



[20]

QUESTION 2

2.1 Racking back is done when a straight piece of wall is built halfway from its end, so that the remaining piece can join into the existing wall and the bond maintained.

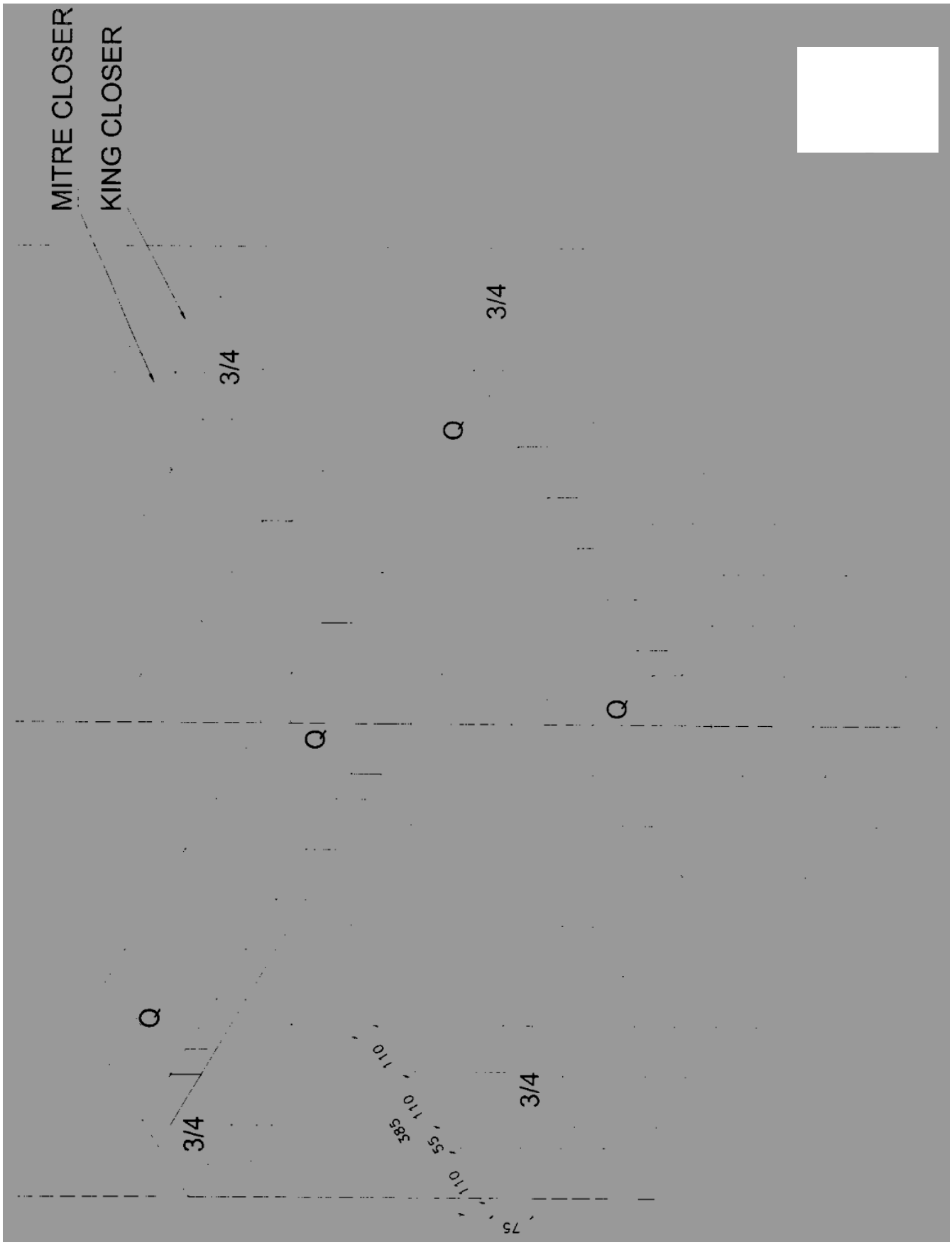
OR



RACKING BACK (4)

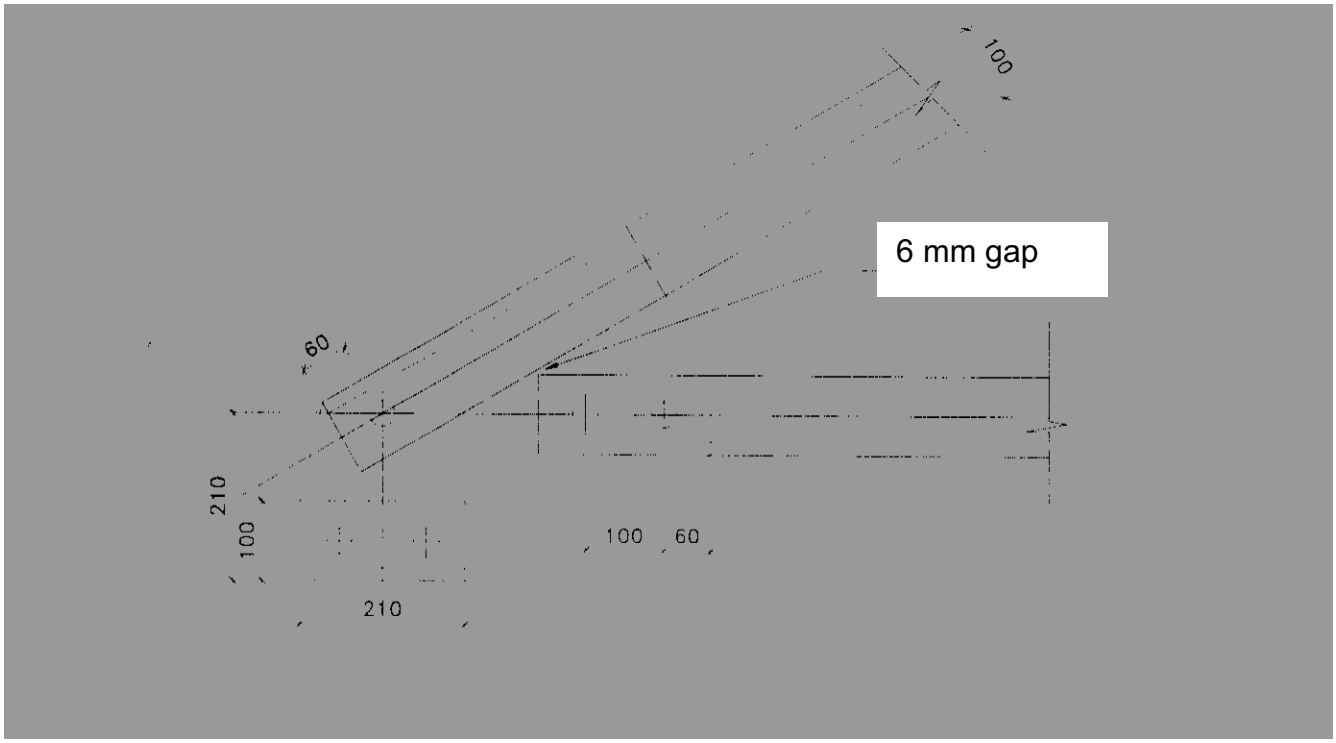
2.2
- It serves as a level base for walling.
- It provides a wider area over which the weight of the wall and it's supporting parts can be spread.
- Overturning in soft soil is prevented.
- A linked frame is provided for the building to rest upon.
- An indirect support for the floors is provided. (5 × 1) (5)

2.3



(7)
[16]

QUESTION 3



FOOT STEEL ROOF TRUSS

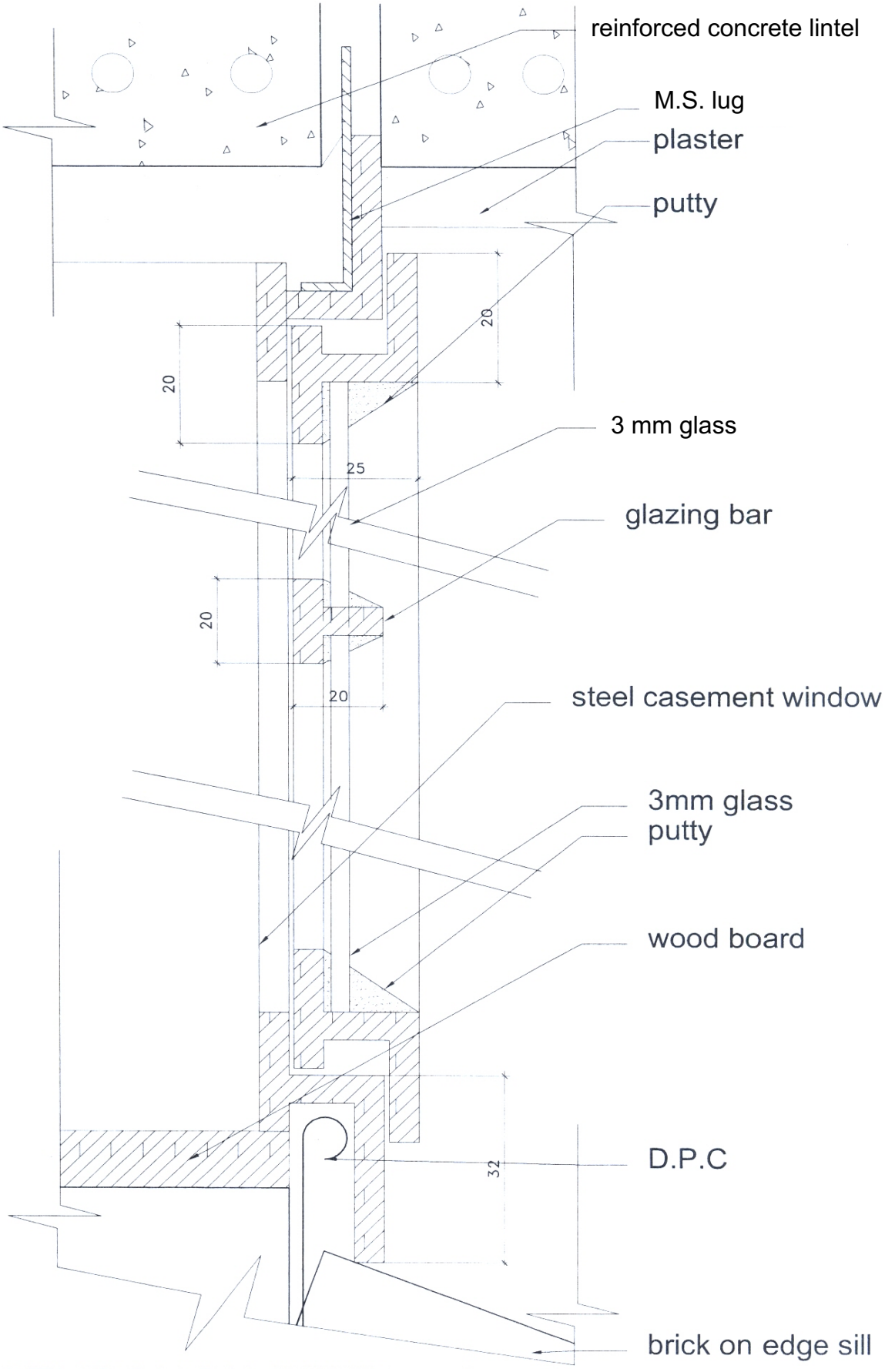
SCALE 1 : 5 **[20]**

QUESTION 4

1. Depth
2. Key brick
3. Voussoir
4. Extrados
5. Screw back
6. Rise
7. Springing line
8. Intrados
9. Span

[9]

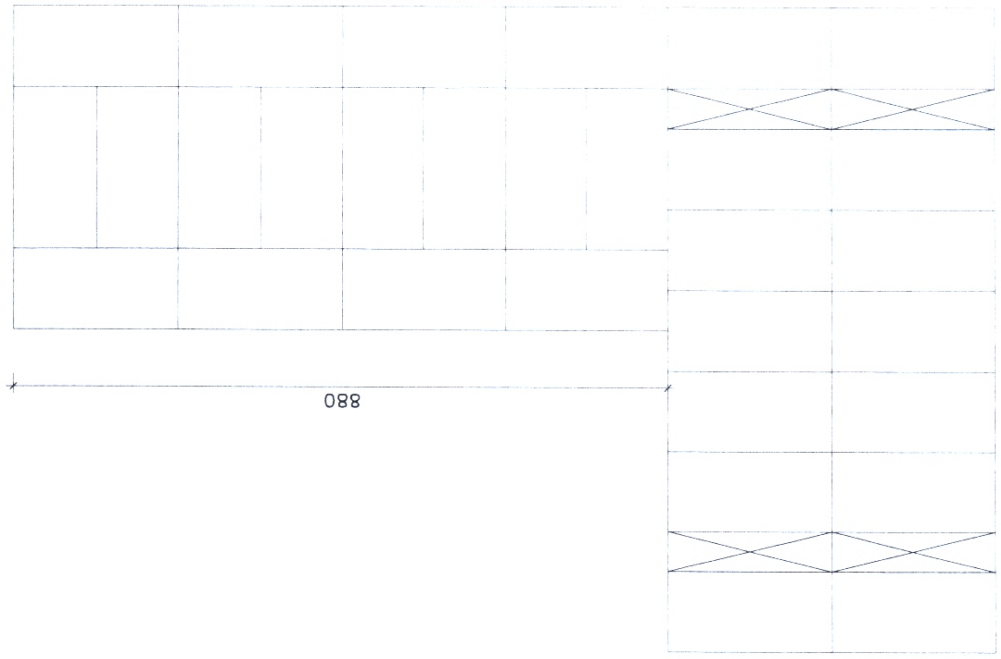
QUESTION 5

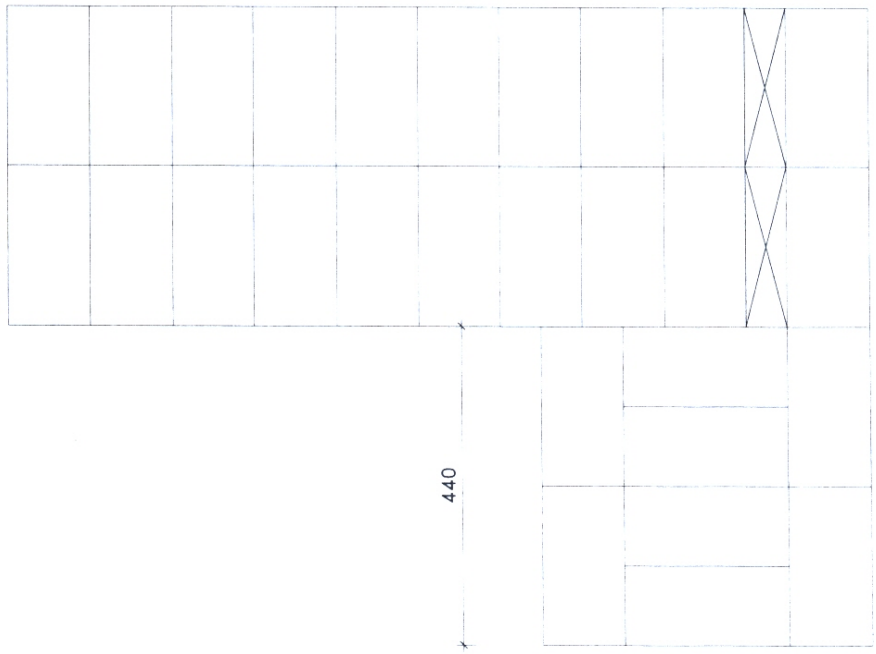


SECTION THROUGH STEEL WINDOW
SCALE 1 : 2 **[15]**

QUESTION 6

6.1



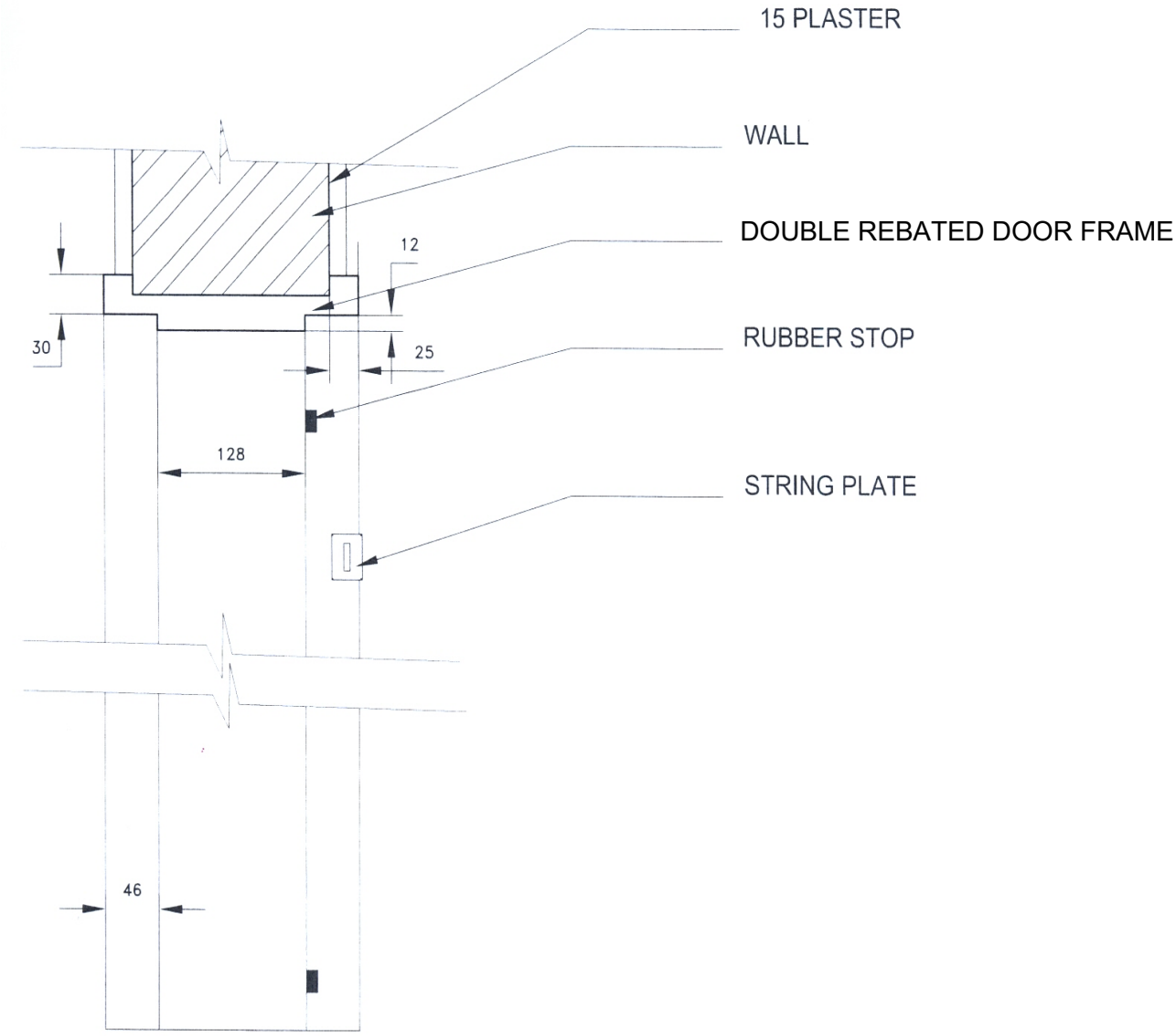


TWO-BRICK CORNER

SCALE 1 : 10

(10)

6.2



SACLE 1 : 5 (10)
[20]

TOTAL: 100

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