

**GAUTENG DEPARTMENT OF EDUCATION
SENIOR CERTIFICATE EXAMINATION**

POSSIBLE ANSWERS FOR : WOODWORKING SG

QUESTION 1

Casement Window

1.1	Head of frame	(2)
	Top rail	(2)
	Dimensions	(2)
	Neatness	(1)
	Accuracy	(2)
	Scale	(2)
	Construction	(4)
		[15]
1.2	Bottom rail	(2)
	Transome	(2)
	Top rail of sash	(2)
	Scale	(2)
	Accuracy	(2)
	Neatness	(1)
	Dimensions	(2)
	Construction	(2)
		[15]
1.3	Sash stile	(2)
	Mullion	(2)
	Scale	(2)
	Dimensions	(2)
	Construction	(2)
		[10]
		[40]

QUESTION 2**2.1 Swing door**

Head of frame	(2)
Top rail	(2)
Raised and fielded panels	(2)
Glass panels	(2)
Lock rail	(2)
Stile of frame	(2)
Bottom rail	(2)
Spring hinges	(2)
Door stile	(2)
Dimensions	(3)
Construction	(4)
Neatness	(3)
Scale	(2)
	[30]

2.2 Horizontal section

Frame stile	(2)
Door stile	(2)
Raised and fielded panel	(2)
Construction	(2)
Neatness	(2)
	[10]
	[40]

QUESTION 3**South African roof truss**

Span exceeding half	(2)
230 mm wall	(2)
114 x 38 mm wall-plate	(2)
114 x 38 mm tie-beam	(2)
114 x 38 mm king post	(2)
114 x 38 mm rafter	(2)
76 x 50 mm purlin	(2)
corrugated iron	(2)
fascia board	(2)
30 230 x 38 ^o mm soffit battens	(2)
rhino ceiling	(2)
rhino cornice	(1)
Quarter round beads	(1)
230 x 25 mm fascia boards	(2)
38 x 38 mm brandering	(2)
ridging	(2)

38 x 76 mm hanger	(2)
scale	(2)
neatness	(2)
construction	(4)
	[40]

QUESTION 4

Turned pedestal leg	(4)
Three legs	(3)
Mortice joint	(4)
Build up rail	(3)
Leg circle	(3)
Top view	(3)
Line work	(4)
Dimensions	(6)
Scale	(2)
Captions	(4)
Dimensions	(2)
Neatness	(2)
	[40]

QUESTION 5

- 5.1 Cutting list is a detailed list of all sizes of wood required for a project. (5)
- 5.2 Formwork/shuttering is temporary support that is strong enough to provide adequate support without excessive deflection until the concrete has set. (5)
- 5.3 Essential features of formwork/shuttering:
- Strength and stiffness to carry concrete
 - ease of removal
 - re-usable
 - accurate fixing true to line
 - adequate propping, bracing
 - support to and support concrete weight (4)
- 5.4 Safety measures-spindle moulder
- Stand back when the machine is switched on to ensure that the blade has been fastened correctly.
 - Switch off the machine if spindle head starts to vibrate, then check and correct the problem.
 - If you attempt to cut too deep, the spindle might vibrate.
 - If use is made of shaw guards, the operators' hands must not be near the head.
 - If the cutters have been replaced, the machine must be allowed to run for a few minutes and then stopped (10)
- 5.5 A shore is used to temporarily prop a wall which is defective/likely to collapse due to alterations carried out adjacent to it or alterations done to lower portion. (10)

5.6 Factors determining the speed at which workpiece can be pushed through:

- The hardness of the wood
- The thickness of the wood
- The sharpness and set of the saw teeth
- The dexterity of the operator
- The complexity of the cut

ANY 3

(6)

QUESTION 6

6.1 Flush Panelling

Dado capping	(2)
Quarter round	(2)
Rough grounds	(2)
Plywood	(2)
Skirting	(2)
Captions	(3)
Neatness	(2)
Scale	(2)
Construction	(3)

BOTH OUT OF 20

[40]

QUESTION 7

Raking shore

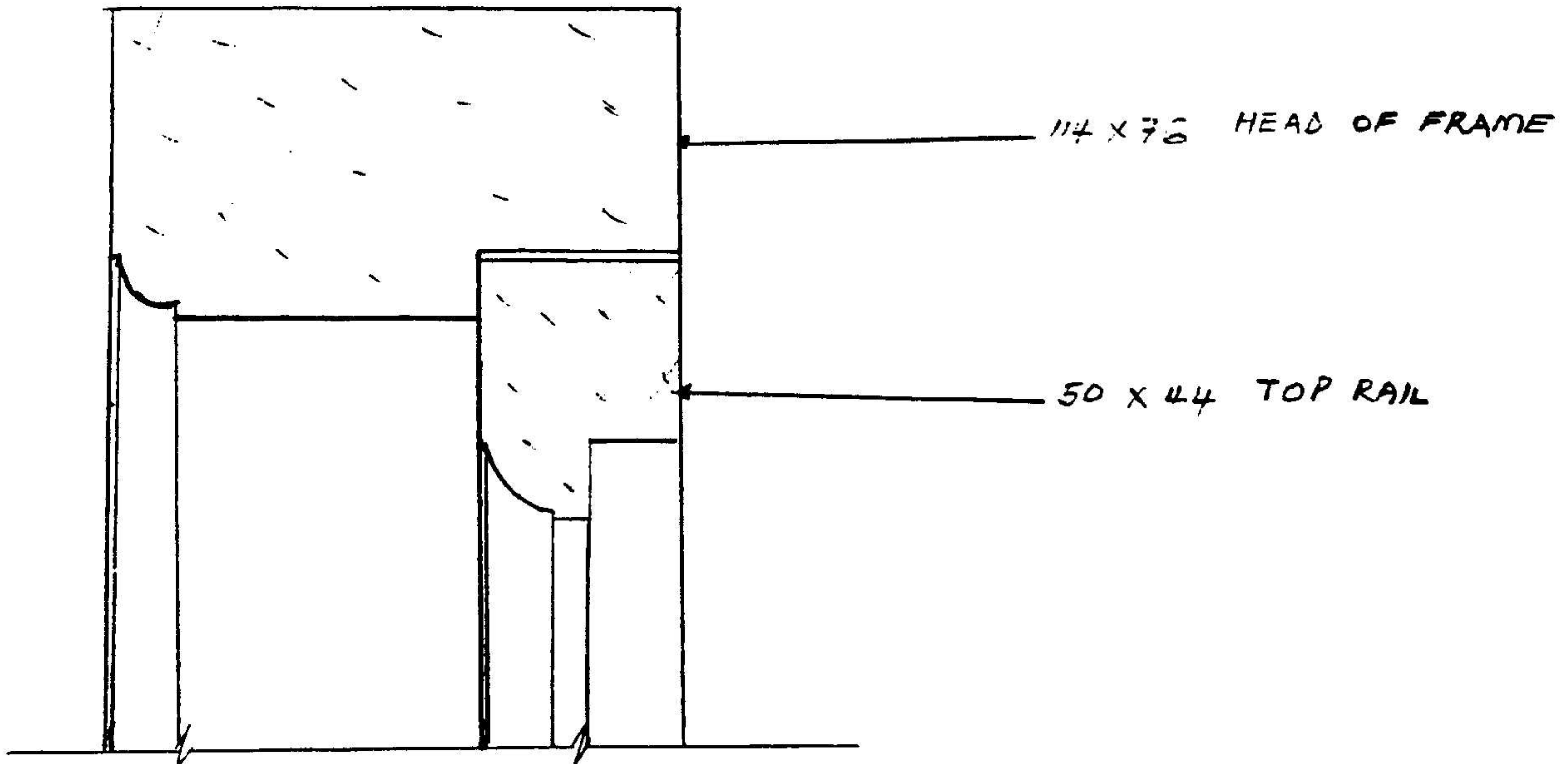
Wall-plate	(2)
Cleat	(2)
Needle	(2)
Raker	(2)
Brace	(2)
Captions	(4)
Neatness	(3)
Scale	(2)
Construction	(6)
	[25]

Head of raking shore

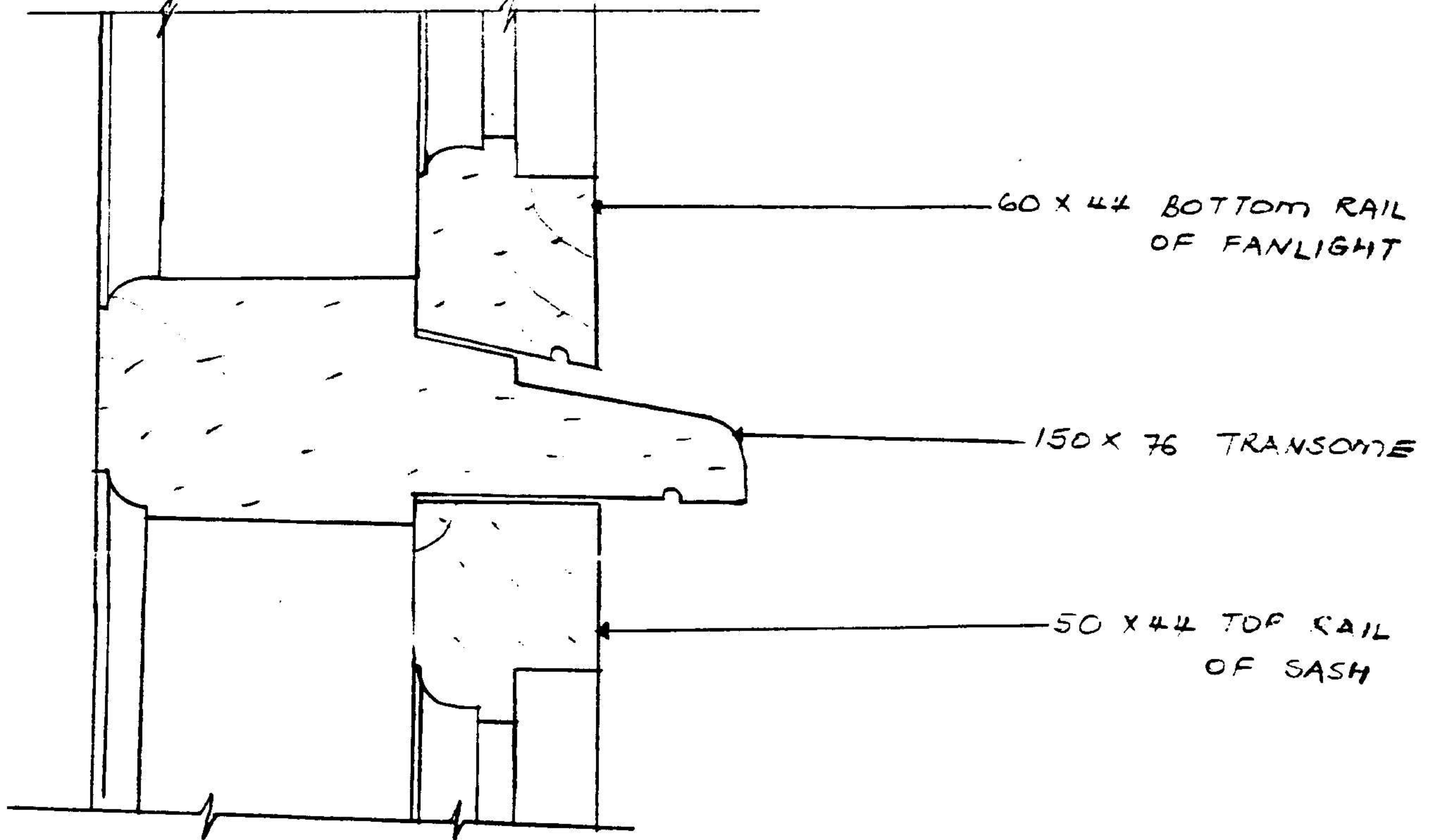
Wall-plate	(2)
Cleat	(2)
Needle	(2)
Raker	(2)
Captions	(2)
Neatness	(2)
Construction	(3)
	(15)
	[40]

END

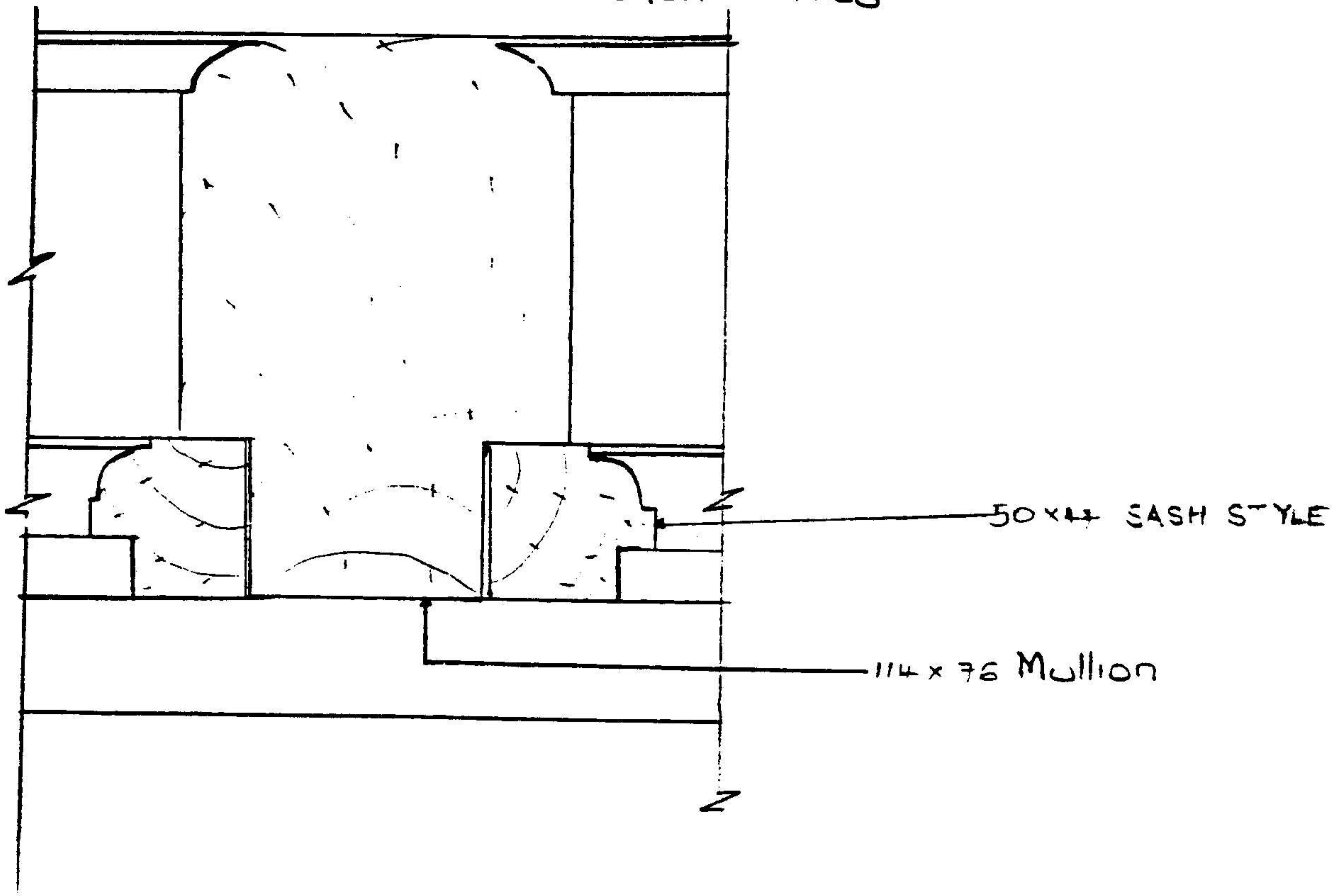
i.1. SECTION: HEAD OF FRAME & TOP RAIL OF FANLIGHT.



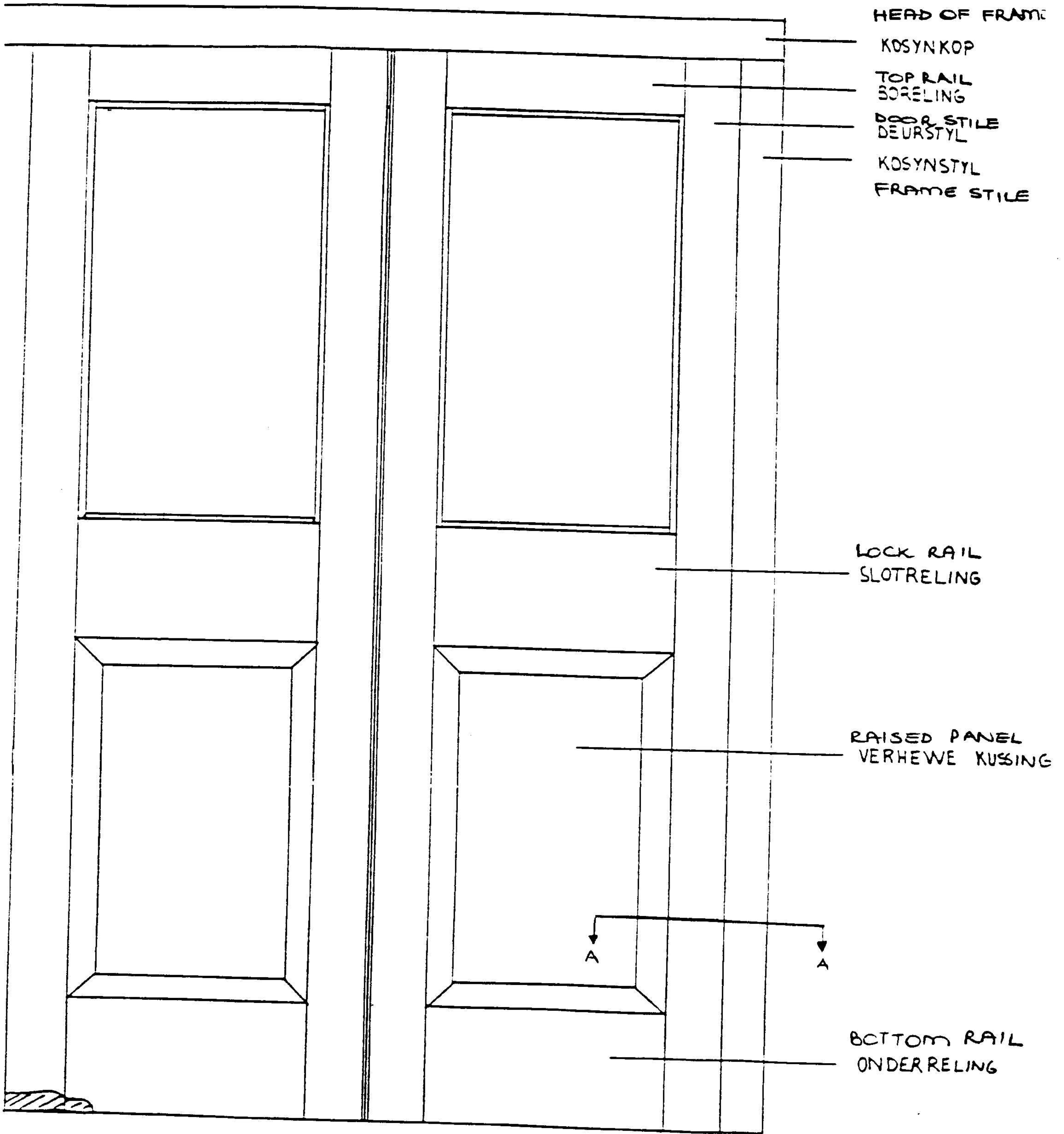
i.2. SECTION: FANLIGHT BOTTOM RAIL, TRANSOME & SASH TOP RAIL



3. SECTION: MULLION & ADJACENT SASH STILES

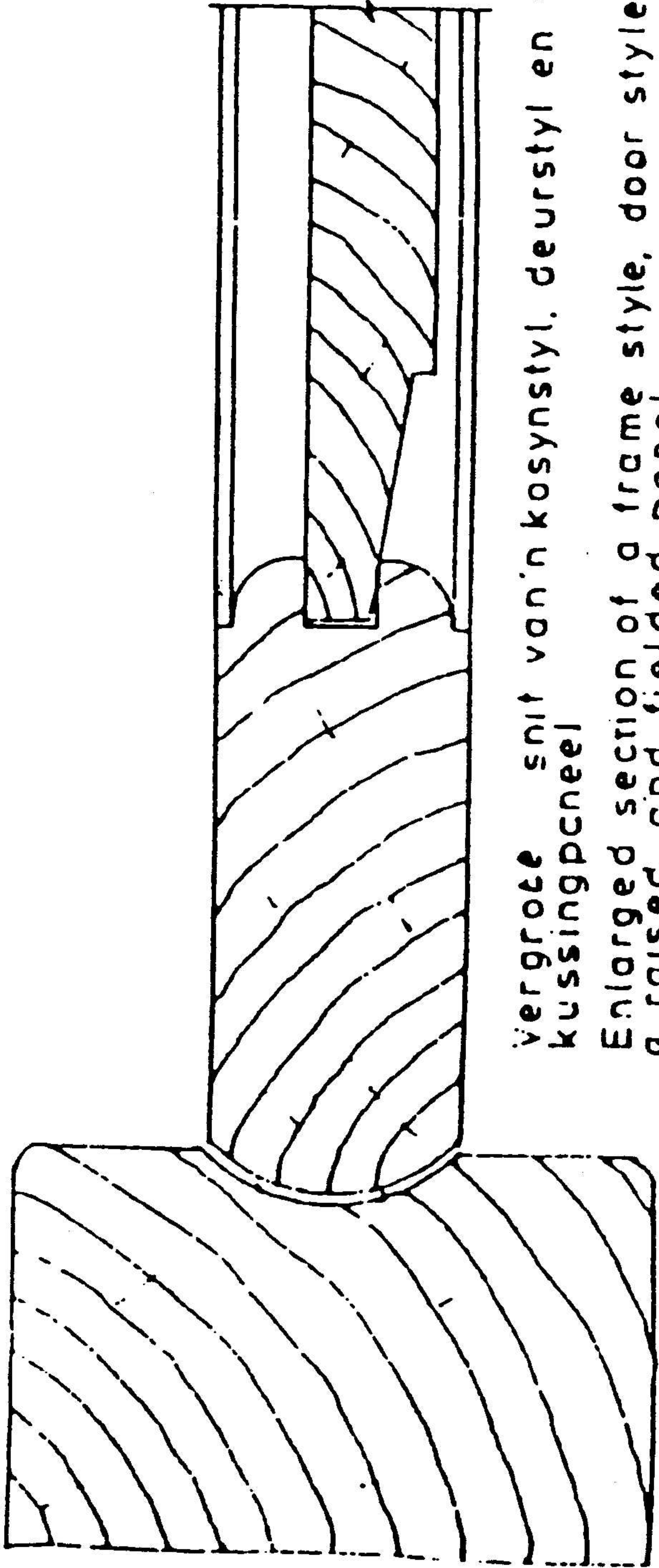


SWING DOORS



SWAAIDEURE
SKAAL 1 10

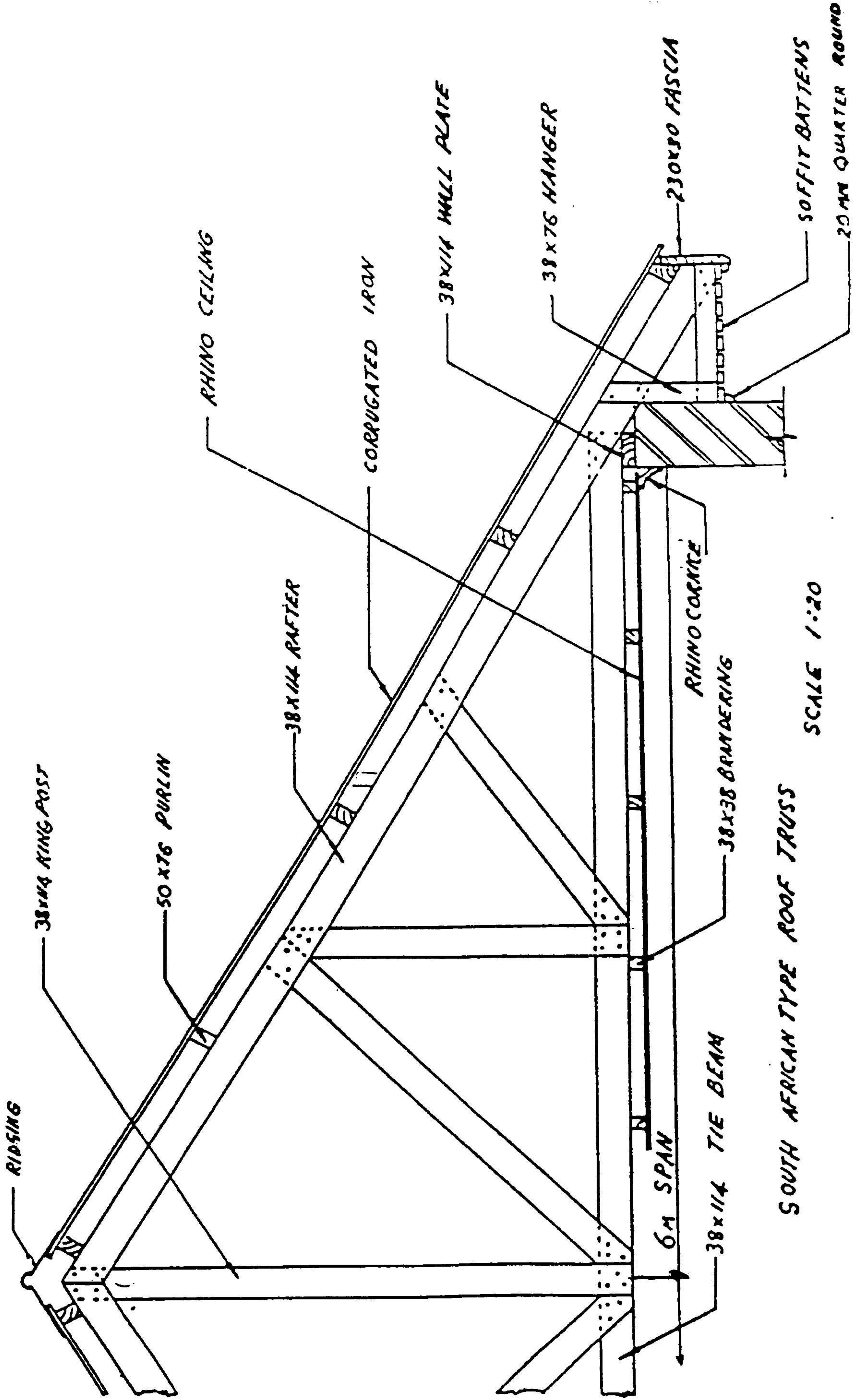
(30)



vergroete snit van 'n kosynstyl, deurstyl en verhewe kussingpaneel

Enlarged section of a frame style, door style and a raised and fielded panel

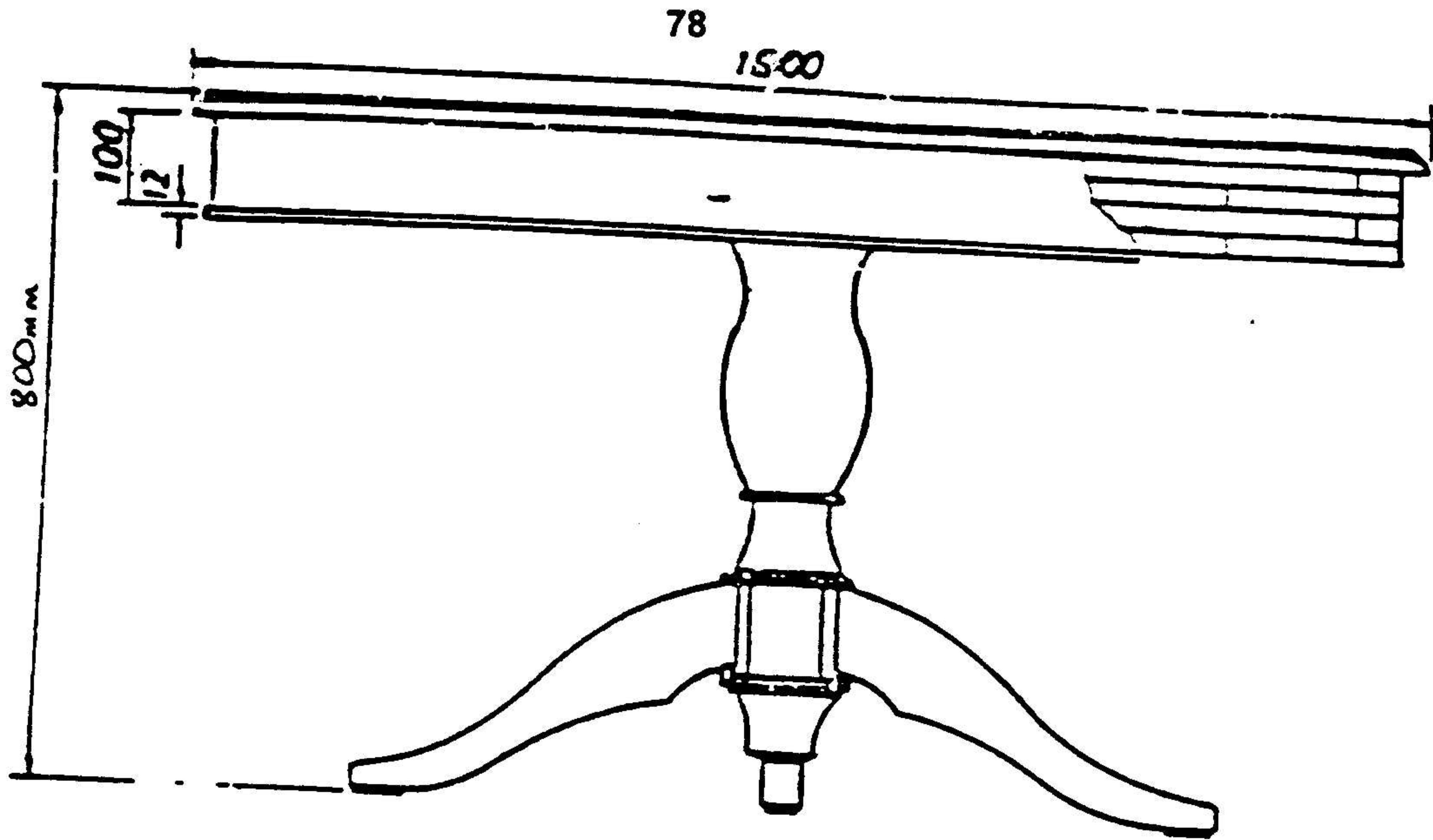
3.1.



SOUTH AFRICAN TYPE ROOF TRUSS

SCALE 1:20

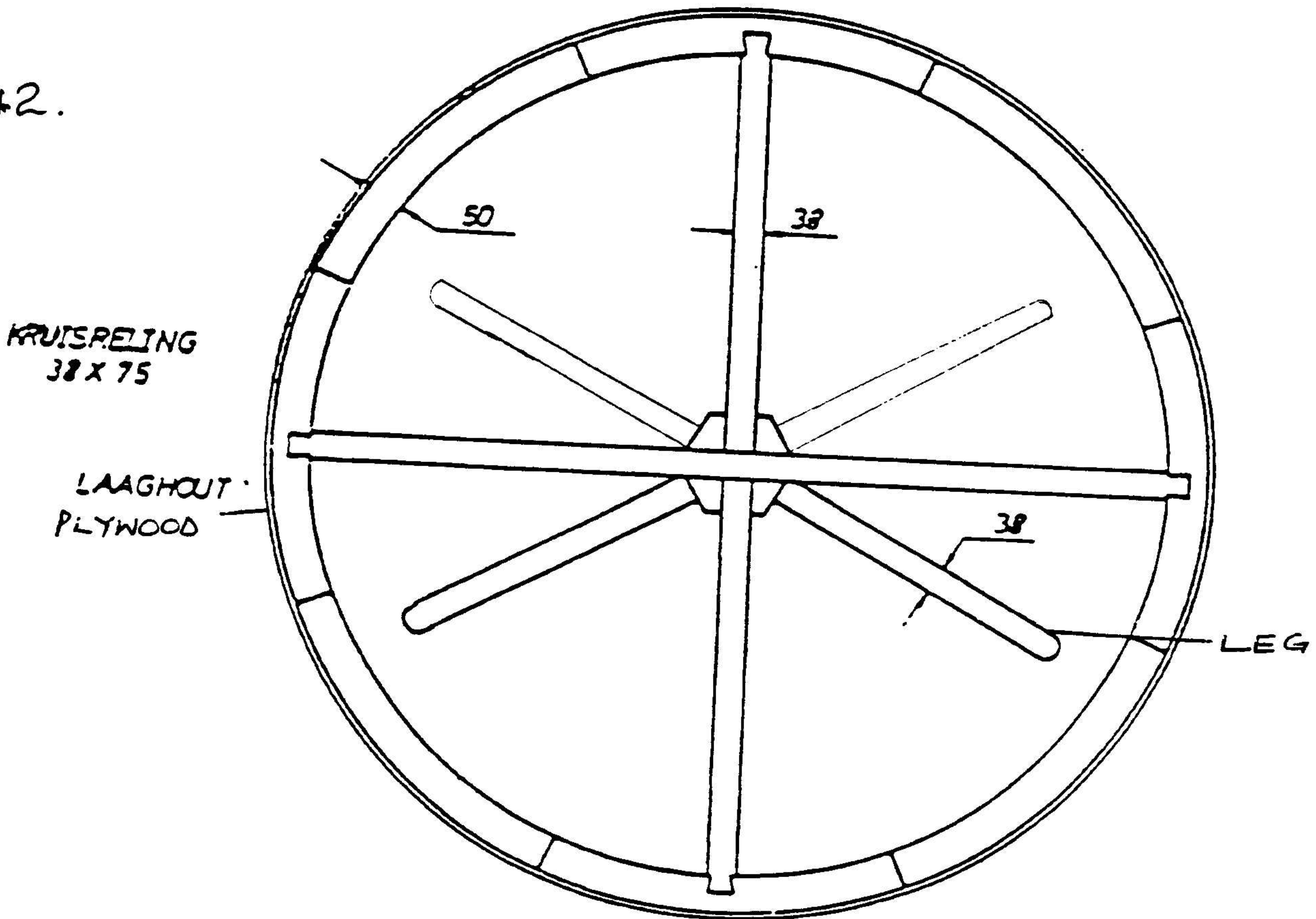
4.1.1



FRONT VIEW

VOORAANSIG

4.1.2.



TOP VIEW WITHOUT TOP

BO AANSIG SONDER BLAD

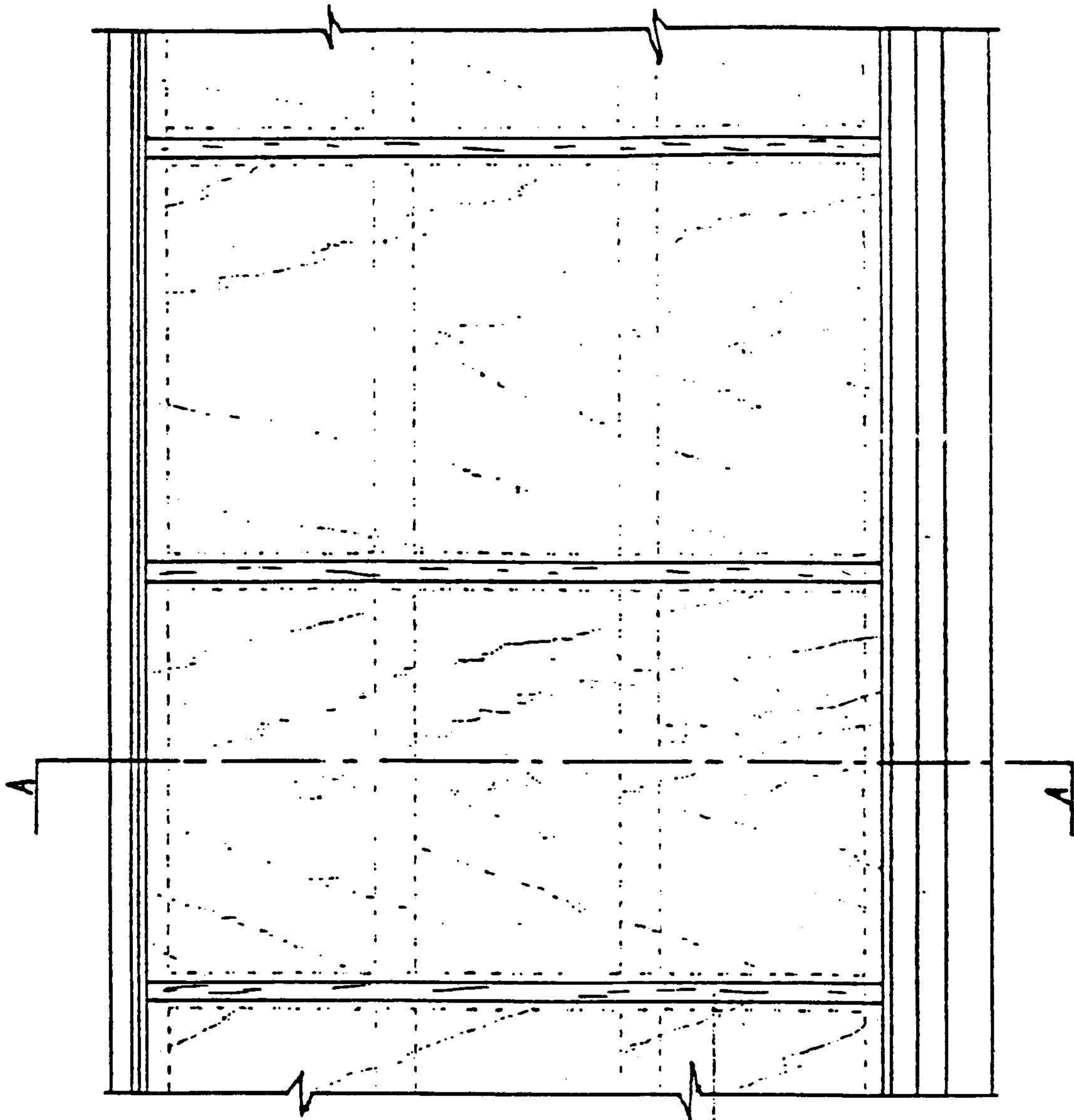
RONDE TAFEL

ROUND TABLE

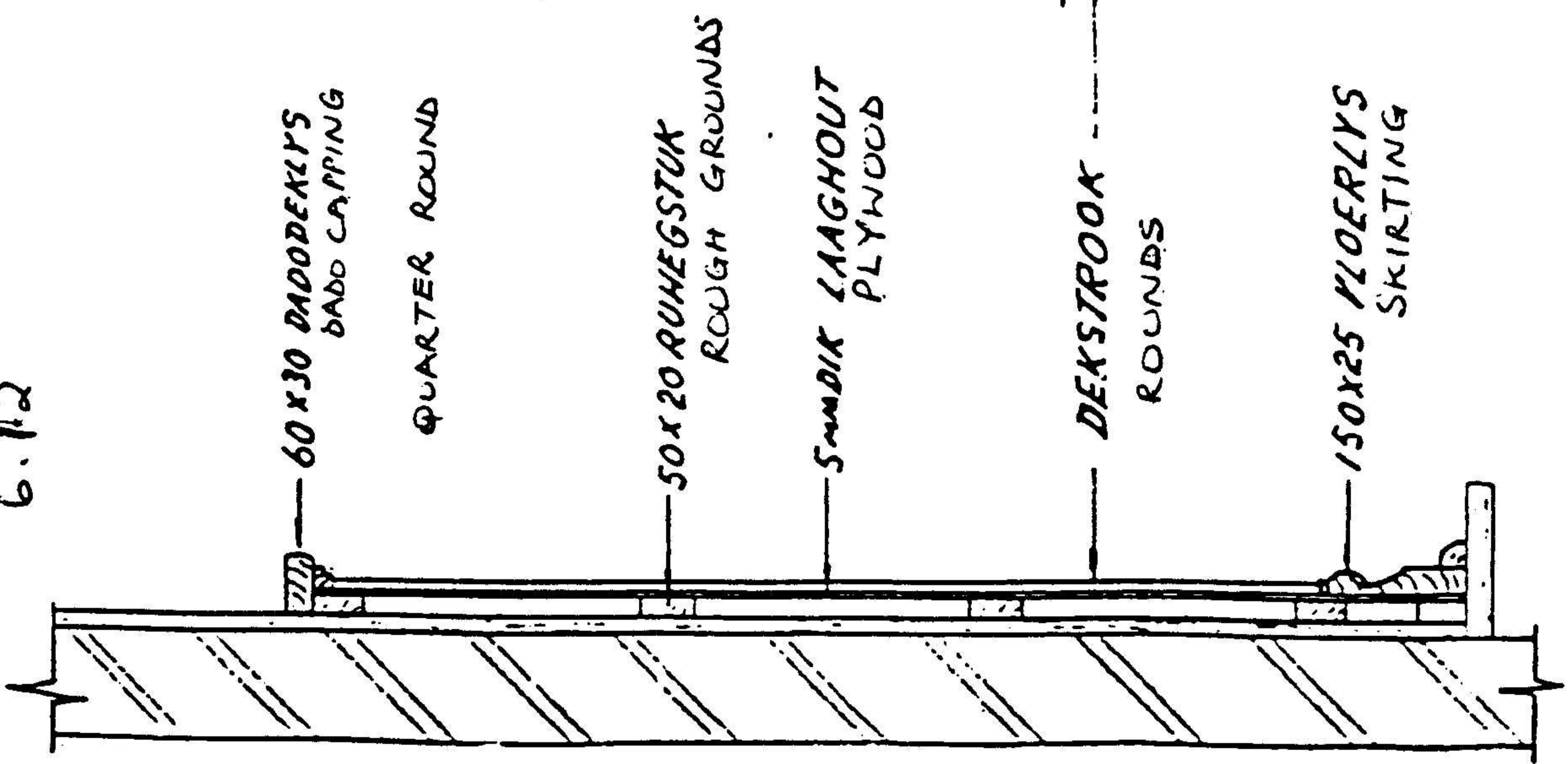
SKAAL
SCALE / 1:10

(40)

6.1.1.



6.1.2

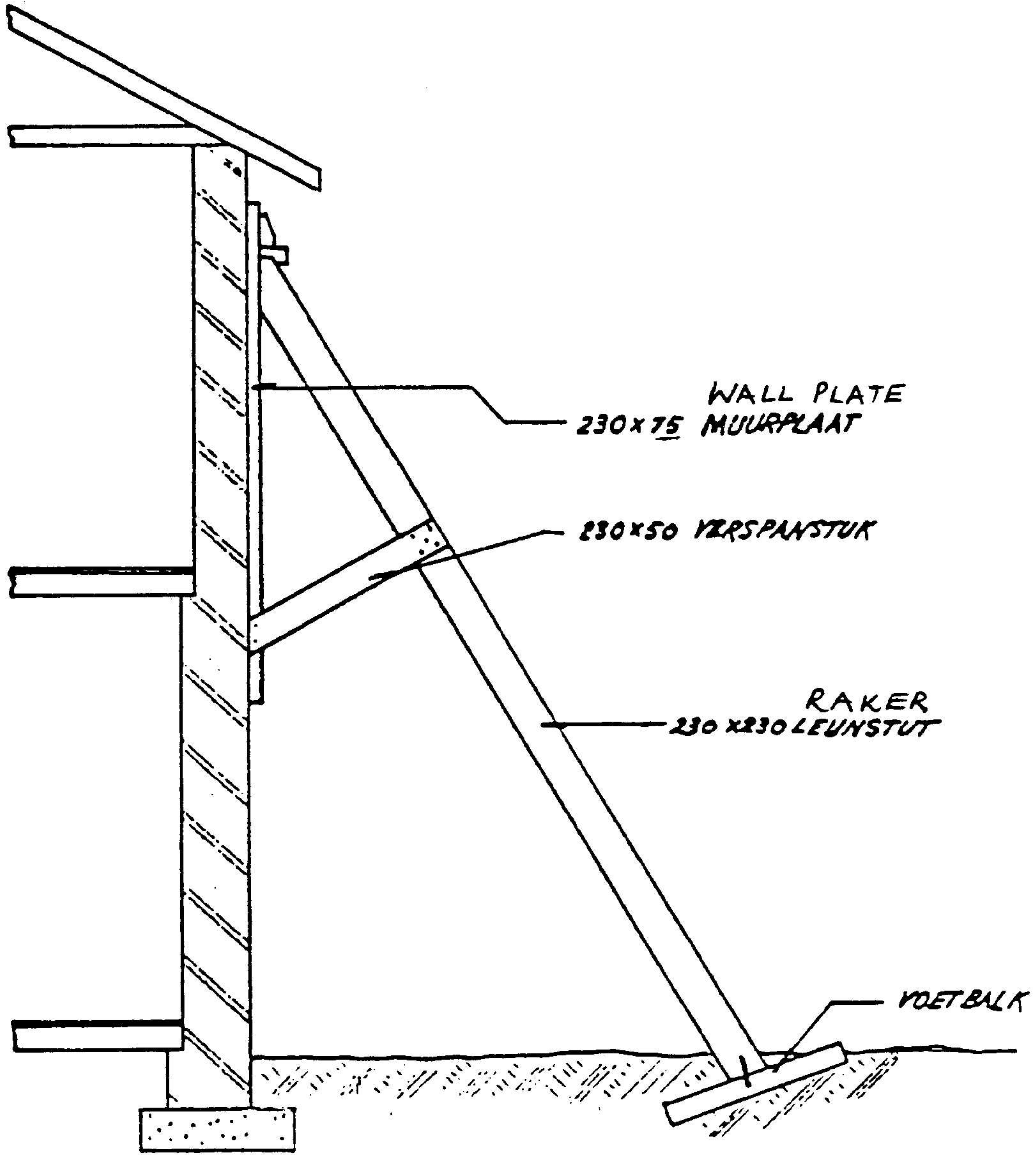


A-A
VERTICAL SECTION

VLAKPANEELWERK FLUSH PANELLING

SKAAL 1:10

7.1

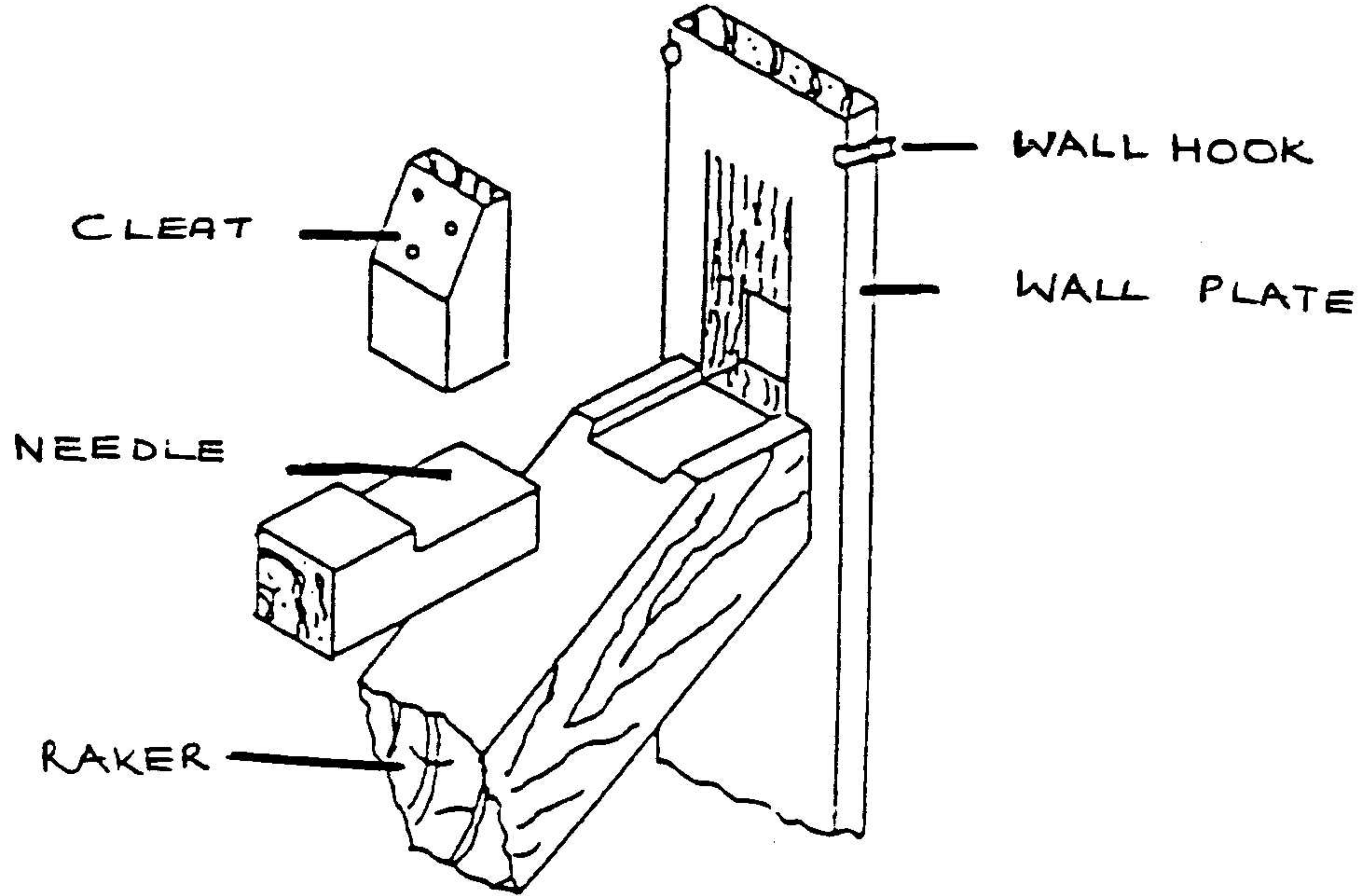


ENKELLEUNSKOOR
SINGLE RAKING SHORE

SKAAL 1:50
SCALE 1:50

7.2.

DETAILS OF RAKING SHORE HEAD
BESONDERHEDE VAN DIE LEUNSKOOR



**GAUTENGSE DEPARTEMENT VAN ONDERWYS
SENIORSERTIFIKAAT-EKSAMEN**

MOONTLIKE ANTWOORDE VIR : HOUTBEWERKING SG

VRAAG 1

Swaairaamvenster

1.1	Kosynkop	(2)
	Boreling	(2)
	Afmetings	(2)
	Netheid	(1)
	Akkuraatheid	(2)
	Skaal	(2)
	Konstruksie	(4)
		(15)
1.2	Onderreling	(2)
	Vensterbank	(2)
	Boreling van bolig	(2)
	Skaal	(2)
	Akkurraatheid	(2)
	Netheid	(1)
	Afmetings	(2)
	Konstruksie	(2)
		(15)
1.3	Kalfreling	(2)
	Tussenstyl	(2)
	Skaal	(2)
	Afmetings	(2)
	Konstruksie	(2)
		(10)
		[40]

VRAAG 2**2.1 Swaaideur**

Kosynkop	(2)
Boreling	(2)
Verhewe kussingpaneel	(2)
Glaspaneel	(2)
Slotreling	(2)
Kosynstyl	(2)
Onderreling	(2)
Veerskarniere	(2)
Deurstyl	(3)
Afmetings	(4)
Konstruksie	(5)
Skaal	(2)
	(30)

2.2 Horisontale deursnit

Kosynstyl	(2)
Deurstyl	(2)
Verhewe kussingpaneel	(2)
Konstruksie	(2)
Netheid	(2)
	(10)
	[40]

VRAAG 3**Suid-Afrikaanse dakkap**

Spanwydte net meer as half	(2)
230 mm muur	(2)
114 x 38 mm muurplaat	(2)
114 x 38 mm bindbalk	(2)
114 x 38 mm hoofstyl	(2)
114 x 38 mm kapbeen	(2)
76 x 50 mm daklat	(2)
Gegolft sinkplate	(2)
Fassieplank	(2)
230 x 30 mm soffietlatte	(2)
Plafon	(2)
Kwartrondlys	(2)
230 x 25 mm fassieplank	(2)
38 x 38 mm plafonlatte	(2)
Nok	(2)

76 x 38 mm drabalk	(2)
skaal	(2)
netheid	(2)
konstruksie	(4)
	[40]

VRAAG 4

Gedraaide pilaarpoot	(4)
Drie pote	(3)
Voeë	(4)
Opgeboude reling	(3)
Radius van pote	(3)
Bo-aansig	(3)
Lynwerk	(4)
Afmetings	(6)
Skaal	(2)
Byskrifte	(4)
Afmetings	(2)
Netheid	(2)
	[40]

VRAAG 5

- 5.1 Snylys is 'n getailleerde lys van alle mates van hout wat vereis word vir 'n projek. (5)
- 5.2 Bekisting is in tydelike ondersteuning wat sterk genoeg is om die nodige ondersteuning te gee totdat die beton droog is. (5)
- 5.3 Eienskappe van bekisting
- Sterk genoeg wees om beton te dra
 - Maklik verwyder kan word
 - Hergebruik word
 - Moet lekvry wees
 - Goed gestut word (4)
- 5.4
- As klem- of leiuitrusting gebruik word moet dit op so 'n wyse geskied dat die operateur se hande nie naby die beitelkop kom nie.
 - As die beitelkop om enige rede begin vibreer, moet masjien dadelik afgeskakel word en die oorsaak vasgestel word.
 - As te diep snitte gemaak word, kan dit die beitelkop laat vibreer.
 - Nadat die beitels vervang is, moet die masjien 'n paar minute lank gebruik en dan tot stilstand gebring word om alle hegmiddels weer te toets.

- Sodra masjien aangeskakel word, moet leerlinge eers opsy staan, om te kyk of lemme veilig is. (10)
 - 5.5 Skoring is 'n tydelike ondersteuning van die muur wat tekens toon van krake of barste totdat die muur herstel is. (10)
 - 5.6 Faktore wat spoed van hout bepaal
 - Hardheid van hout
 - Dikte van hout
 - Skerppte van lem
 - Kompleksiteit van snit
- enige 3 (6)
[40]

VRAAG 6**Vlakpaneelwerk**

Dado reling	(2)
Kwartrondlys	(2)
Hegstroke	(2)
Laaghout	(2)
Vloerlys	(2)
Byskrifte	(3)
Netheid	(2)
Skaal	(2)
Konstruksie	(3)
Albei uit 20	[40]

VRAAG 7**Leunskoor**

Muurplaat	(2)
Houtstrook	(2)
Naald	(2)
Skoor	(2)
Stutte	(2)
Byskrifte	(4)
Netheid	(3)
Skaal	(2)
Konstruksie	(6)
	(25)

Bopunt van leunskoor

Muurplaat	(2)
Houtstrook	(2)
Naald	(2)
Skoor	(2)
Byskrifte	(2)
Netheid	(2)
Konstruksie	(3)
	(15)
	[40]

EINDE