

CANDIDATE'S NUMBER / KANDIDAAT SE NOMMER

--	--	--	--	--	--	--	--	--	--

**SENIOR CERTIFICATE
EXAMINATION
*SENIORSERTIFIKAAT-EKSAMEN***



**FEBRUARY / MARCH
*FEBRUARIE / MAART***

2007

**WELDING AND
METALWORKING
*SWEIS EN
METAALBEWERKING***

**ANSWER BOOK
*ANTWOORDBOEK***

SG

716-2/X

X05



Cover + 6 pages / Voorblad + 6 bladsye

**COPYRIGHT RESERVED / KOPIEREG VOORBEHOU
APPROVED BY UMALUSI / GOEDGEKEUR DEUR UMALUSI**



Total/Totaal

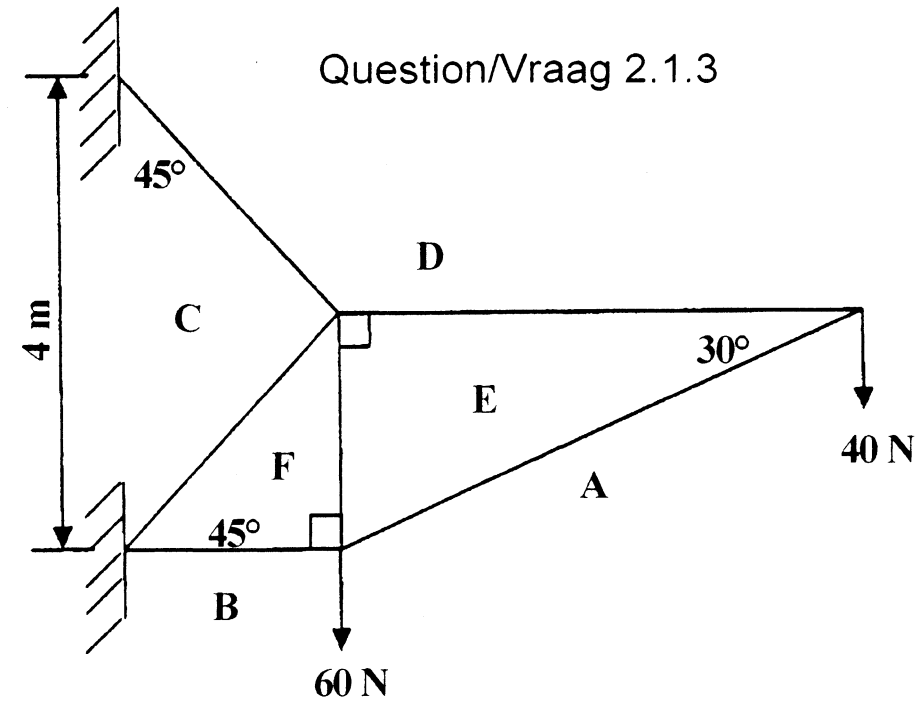
--

Question/Vraag 2.1.1

Question/Vraag 2.1.2

MEMBER ONDERDEEL	MEASUREMENT mm AFMETING mm	FORCE N KRAG N	NATURE AARD
AE			
DE			
FE			
FB			
FC			
DC			

Question/Vraag 2.1.3



d

Question/Vraag 2.2.1

Question/Vraag 2.2.2

BM(C) _____

BM(B) _____

BM(A) _____

DISTRICT
DISTRİK

--	--

3.1 LEFT FORCE/ LINKERKANTSTE BELASTING

RIGHT FORCE/REGTERKANTSTE BELASTING

3.2 BM(A)

BM(B)

BM(C)

BM(D)

BM(X)

3.3 SF/SK(A)

SF/SK(B)

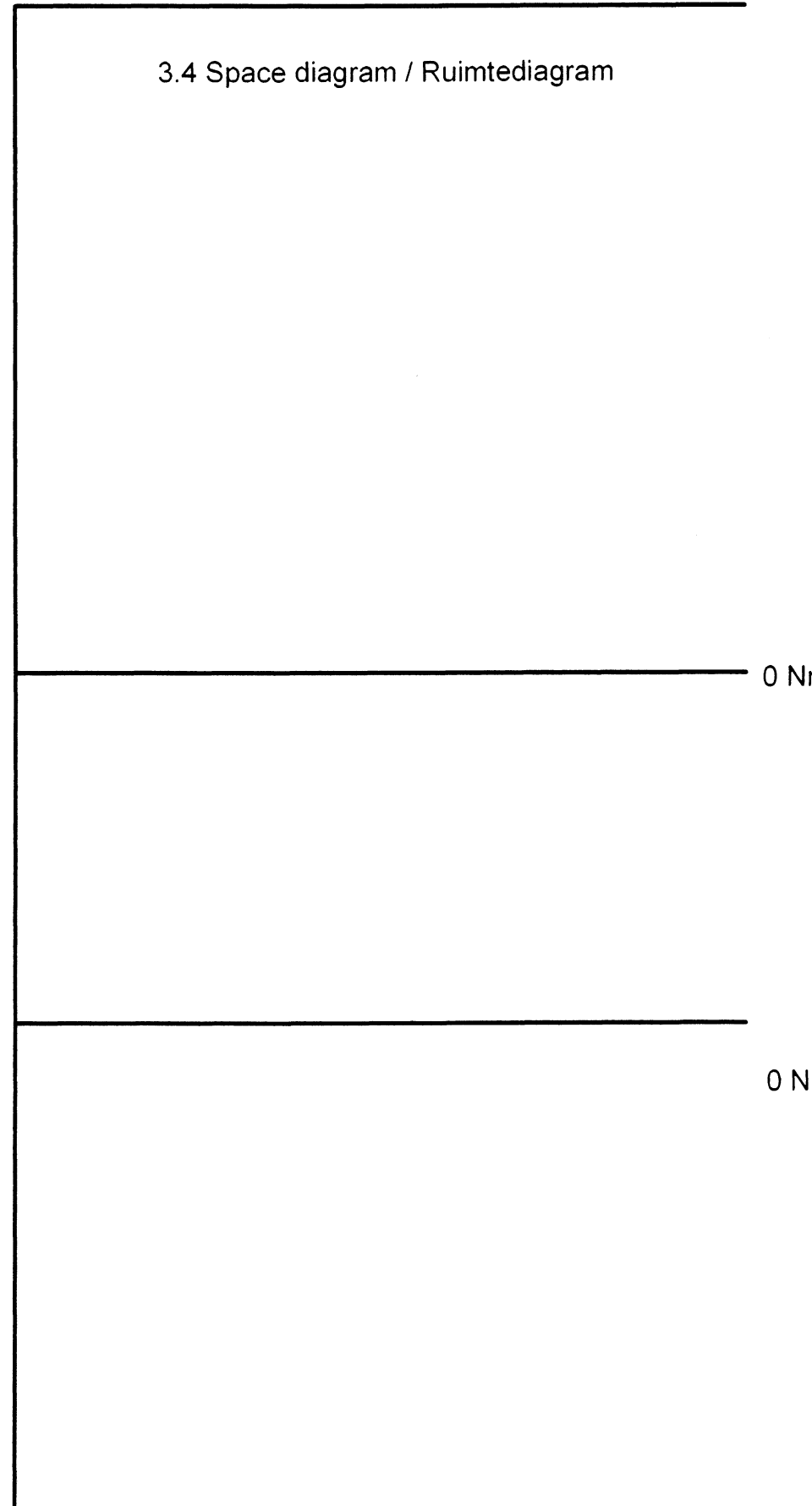
SF/SK(C)

SF/SK(D)

SF/SK(X)

3.5 Bending moment diagram
Buigmomentdiagram

3.6 Shear force diagram
Skuifkragdiagram



Total/Totaal

DISTRICT
DISTRİK

--	--

Total/Totaal

4.1.1

4.2

4.4

4.1.2

4.3

4.5

A)

B)

C)

4.1.3

4.6

A)

B)

C)

4.1.4

4.7

A)

B)

C)

DISTRICT
DISTRİK

5.1.1

Mark Merk	Quantity needed Aantal benodig	Material Needed (m) Materiaal benodig (m)	Mass kg/m Massa kg/m	Total mass per kg Totale massa per kg	Tarrif/kg Tarief/kg	Amount Bedrag
A			8,8		R5,70	
B			8,8		R5,70	
C			6,49		R4,35	
D			6,49		R4,35	
				Welding material Sweismateriaal		
				Total cost Totale koste		

5.2

Total/Totaal

--

5.1.2 Labour costs / Arbeidskoste

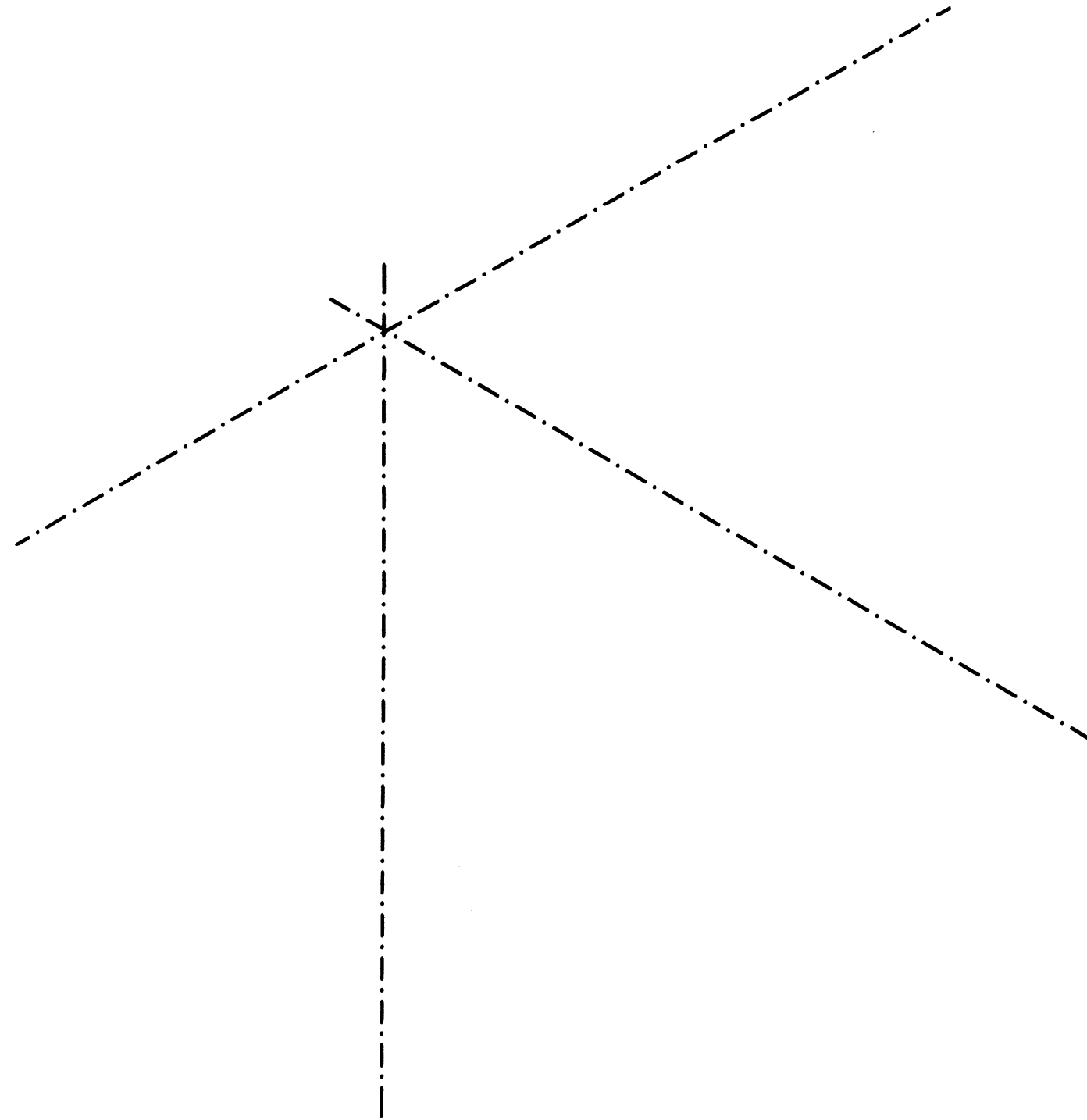
5.1.3 Overhead costs / Drakoste

5.1.4 Total cost/Totale koste

DISTRICT
DISTRİK

--	--

Question/Vraag 6.1



Total/Totaal

--

Question/Vraag 6.2

6.2.1 _____

6.2.2 _____

6.2.3 _____

6.2.4 _____

6.2.5 _____

DISTRICT
DISTRİK

--	--