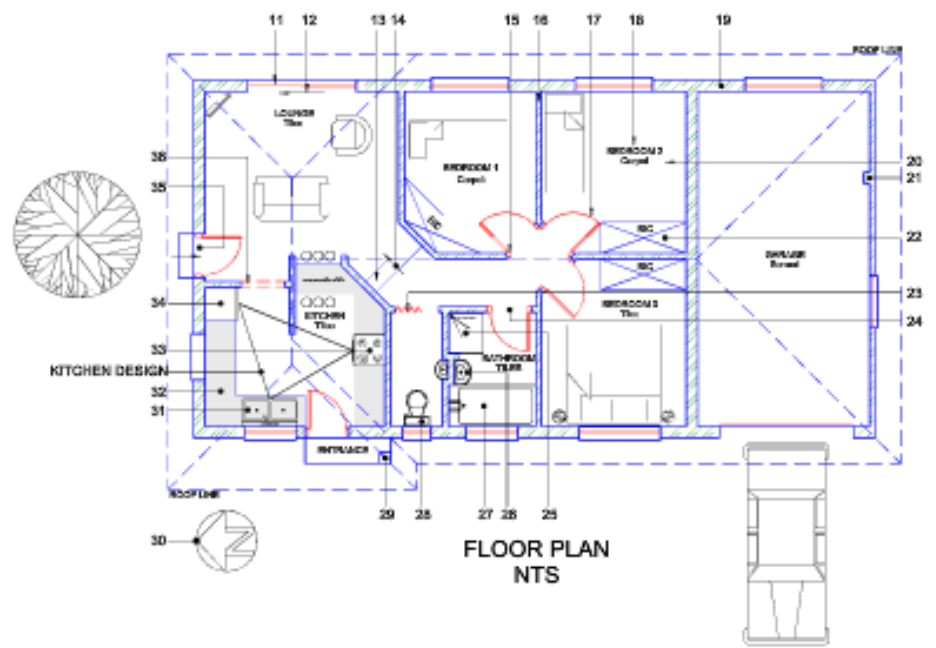


WEST ELEVATION



FLOOR PLAN
NTS

QUESTION: ANALYTICAL (CIVIL)

- Given:**
- Two views of a dwelling.
 - Labelling of certain principal features of each view of the dwelling.
 - A label of principal features of a house drawing.

- Instructions:**
- Choose the features of the house drawing, from those given that matches the number on the drawing.
 - Write only the letter of the answer next to the number on the answer sheet.
 - Use each description **ONLY ONCE**.

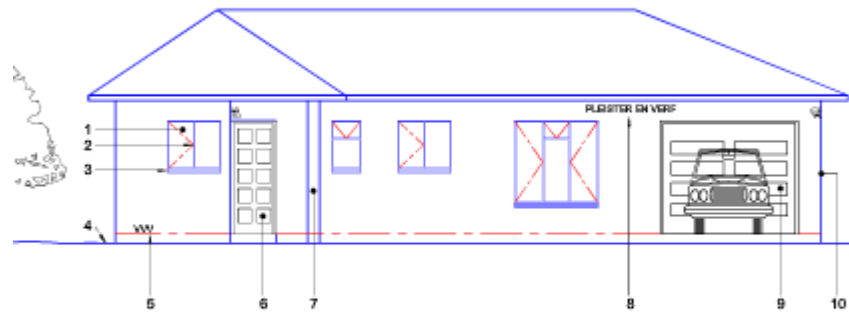
WEST ELEVATION					
FEATURES			DRAWING NUMBER		
A	DOOR	F	WALL FINISH	1	E WINDOW
B	GARAGE DOOR	G	FINISHED FLOOR LEVEL	2	H WINDOW OPENING
C	NATURAL GROUND LEVEL	H	WINDOW OPENING	3	I WINDOW-SILL
D	EXTERNAL / OUTER WALL	I	WINDOW-SILL	4	C NATURAL GROUND LEVEL
E	WINDOW	J	COLUMN	5	G FINISHED FLOOR LEVEL
				6	A DOOR
				7	J COLUMN
				8	F WALL FINISH
				9	B GARAGE DOOR
				10	D EXTERNAL / OUTER WALL

FLOOR PLAN					
FEATURES			DRAWING NUMBER		
A	DOOR FRAME	N	FOLDING DOOR	11	S SLIDING DOOR
B	SHOWER	O	PILLAR	12	W ARROW INDICATING THE DIRECTION OF OPENING
C	SINK	P	STOVE	13	K STAIRS
D	FLOOR FINISH	Q	ARCHWAY	14	X ARROW ALWAYS INDICATES UP
E	ROOM DESIGNATION	R	NORTH POINT	15	A DOOR FRAME
F	INTERNAL DOOR	S	SLIDING DOOR	16	G INTERNAL WALL
G	INTERNAL WALL	T	WORKTOP	17	Y DOOR SWING
H	EXTERNAL DOOR	U	REFRIGERATOR	18	E ROOM DESIGNATION
I	WATER CLOSET / TOILET	V	BATH	19	L EXTERNAL WALL
J	HAND WASH BASIN	W	ARROW INDICATING THE DIRECTION OF OPENING	20	D FLOOR FINISH
K	STAIRS	X	ARROW ALWAYS INDICATES UP	21	O PILLAR
L	EXTERNAL WALL	Y	DOOR SWING	22	Z BUILT-IN CUPBOARD
M	COLUMN	Z	BUILT-IN CUPBOARD	23	N FOLDING DOOR
				24	F INTERNAL DOOR
				25	B SHOWER
				26	J HAND WASH BASIN
				27	V BATH
				28	I WATER CLOSET / TOILET
				29	M COLUMN
				30	R NORTH POINT
				31	C SINK
				32	T WORKTOP
				33	P STOVE
				34	U REFRIGERATOR
				35	H EXTERNAL DOOR
				36	Q ARCHWAY

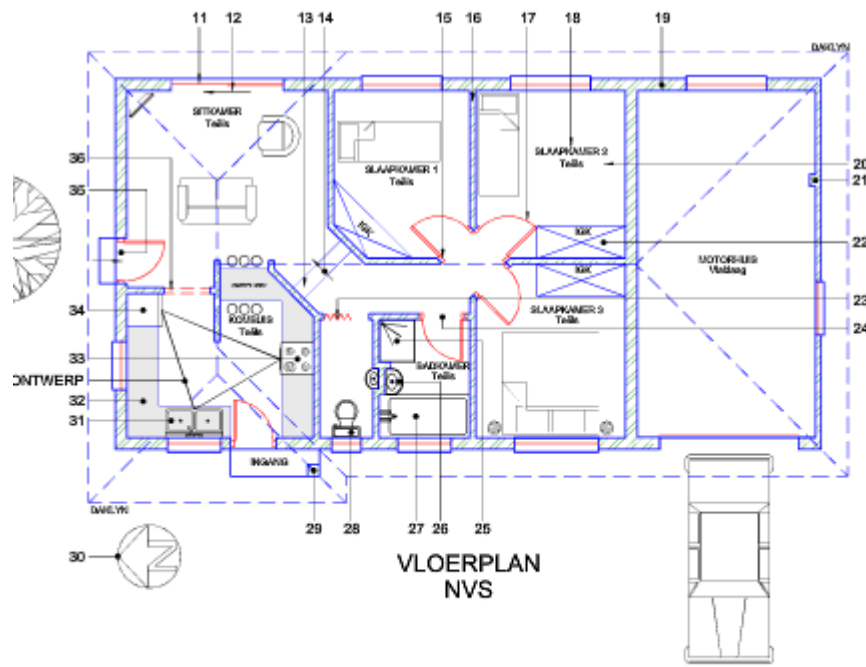
36/2 18

JP NAME: _____
GRADE 10: _____

ANALYTICAL (CIVIL)
DATE: _____



WES-AANSIG



VLOERPLAN
NVS

VRAAG: ANALITIES (SIVIEL)

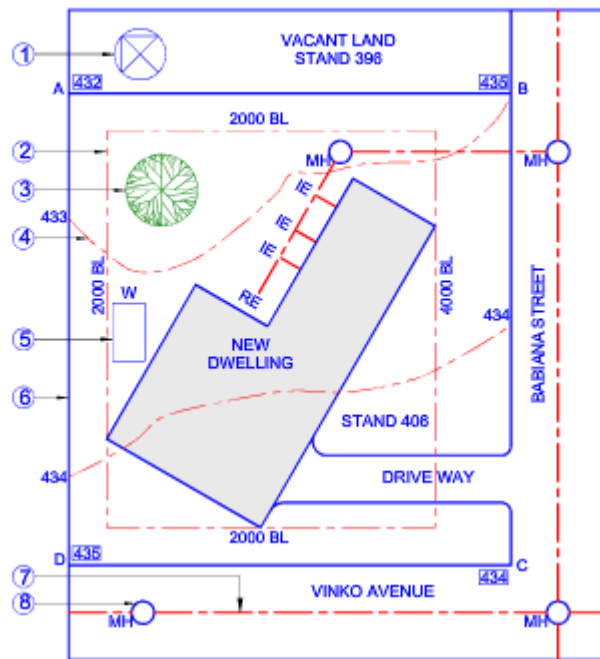
Gegee:

- * Twee aansigte van 'n woning.
- * Benoemings van sekere hoofkenmerke van elke aansig van die woning.
- * 'n Tabel met kenmerke van 'n huistekening.

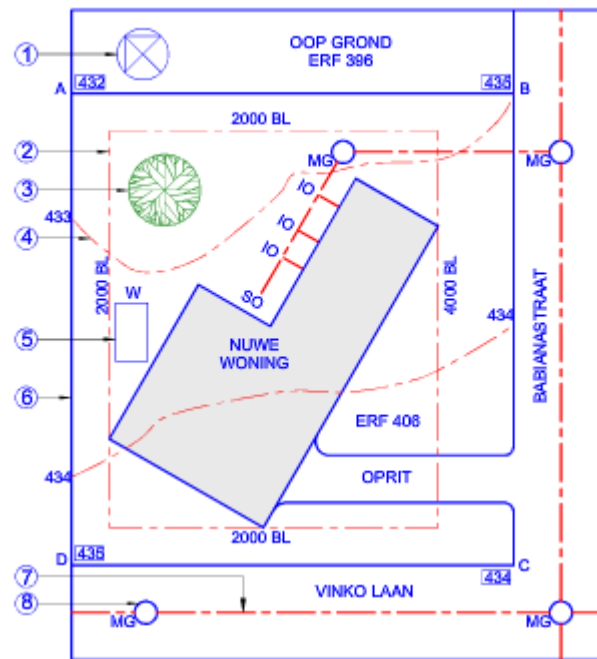
Instruktes:

- * Kies die kenmerke uit die tabel wat by die tekeningnommer pas.
- * Skryf slegs die kenmerk se letter langs die nommer op die antwoordblad.
- * Gebruik elke kenmerk slegs **EEN MAAL**.

WES-AANSIG									
KENMERK			TEKENINGNUMMER						
A	DEUR	F	MUURAFWERKING	1	E	VENSTER	6	A	DEUR
B	MOTORHUISDEUR	G	VOLTOOIDE VLOERVLAK	2	H	KANT WAT OOPMAAK	7	J	KOLOM
C	NATUURLIKE GRONDVLAK	H	KANT WAT OOPMAAK	3	I	VENSTERBANK	8	F	MUURAFWERKING
D	EKSTERNE /BUITE MUUR	I	VENSTERBANK	4	C	NATUURLIKE GRONDVLAK	9	B	MOTORHUISDEUR
E	VENSTER	J	KOLOM	5	G	VOLTOOIDE VLOERVLAK	10	D	EKSTERNE /BUITE MUUR
PLAN									
KENMERK			TEKENINGNUMMER						
A	KOSYN	N	VOUDEUR	11	S	SKUIFDEUR	24	F	INTERNE / BINNE DEUR
B	STORT	O	PILAAK	12	W	PYL DUI DE RIGTING AAN WAARIN DE DEUR OOPMAAK	25	B	STORT
C	OPWASBAK	P	STOOF	13	K	TRAPPE	26	J	HANDWASBAK
D	VLOERAFWERKING	Q	BOOGDEURGANG	14	X	DIE PYL DUI ALTYD OP AAN	27	V	BAD
E	KAMERAANDUIDING	R	NOORDELIKE PUNT	15	A	KOSYN	28	I	SPOELKLOSET / TOILET
F	INTERNE / BINNE DEUR	S	SKUIFDEUR	16	G	INTERNE / BINNE MUUR	29	M	KOLOM
G	INTERNE / BINNE MUUR	T	WERKSBLAD	17	Y	DEURSWAAI	30	R	NOORDELIKE PUNT
H	EKSTERNE / BUITE DEUR	U	YSKAS	18	E	KAMERAANDUIDING	31	C	OPWASBAK
I	SPOELKLOSET / TOILET	V	BAD	19	L	EKSTERNE / BUITE MUUR	32	T	WERKSBLAD
J	HANDWASBAK	W	PYL DUI DE RIGTING AAN WAARIN DE DEUR OOPMAAK	20	D	VLOERAFWERKING	33	P	STOOF
K	TRAPPE	X	DIE PYL DUI ALTYD OP AAN	21	O	PILAAK	34	U	YSKAS
L	EKSTERNE / BUITE MUUR	Y	DEURSWAAI	22	Z	INGEBOUDE KAS	35	H	EKSTERNE / BUITE DEUR
M	KOLOM	Z	INGEBOUDE KAS	23	N	VOUDEUR	36	Q	BOOGDEURGANG



SITE PLAN
SCALE 1:200



TERREINPLAN
SKAAL 1:200

12

1. Name the feature at 1.	NORTH POINT / TRUE NORTH	1. Benoem die kenmerk by 1.	NOORDPUNT / WARE NOORD
2. Name the feature at 2.	BUILDING LINE	2. Benoem die kenmerk by 2.	BOULYN
3. Name the feature at 3.	TREE	3. Benoem die kenmerk by 3.	BOOM
4. Name the feature at 4.	CONTOUR LINE	4. Benoem die kenmerk by 4.	KONTOERLYN
5. Name the feature at 5.	WATER-STORAGE TANK	5. Benoem die kenmerk by 5.	WATEROPGAARTENK
6. Name the feature at 6.	BOUNDARY LINE	6. Benoem die kenmerk by 6.	GRENSLYN
7. Name the feature at 7.	SEWER LINE	7. Benoem die kenmerk by 7.	RIOLLYN
8. Name the feature at 8.	MAN HOLE	8. Benoem die kenmerk by 8.	MANGAT
9. What type of drawing is shown?	SITE PLAN	9. Watier tipe tekening word getoon?	TERREINPLAN
10. In what street is the drive way?	BABIANA STREET	10. In watter straat is die oprit?	BABIANA STRAAT
11. What does the abbreviation RE stand for?	RODDING EYE	11. Waarvoor staan afkorting SO?	STEEKOOG
12. How many inspection eyes are there?	3	12. Hoeveel inspeksie-oë is daar?	3



NAME / NAAM:

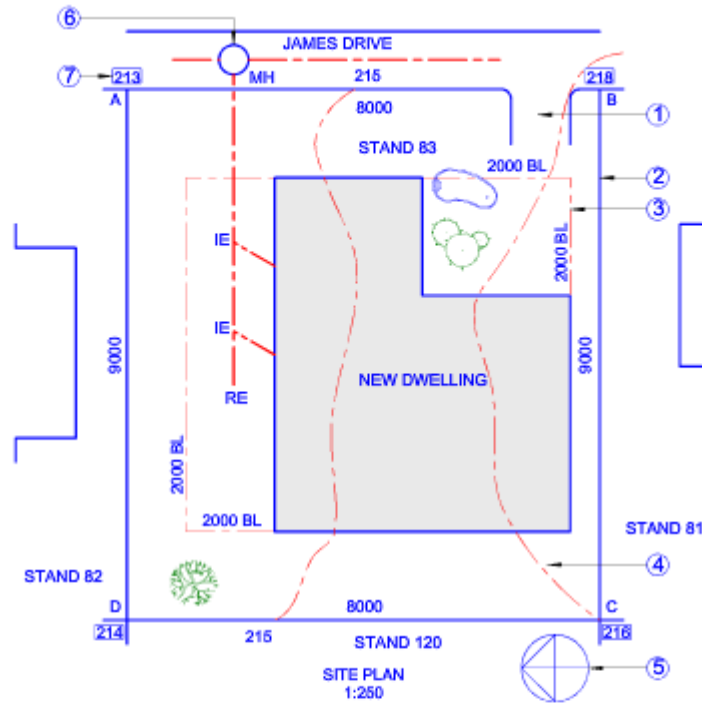
GRADE / GRAAD 10:

ENGINEERING GRAPHICS & DESIGN
INGENIEURSGRAFIKA & ONTWERP

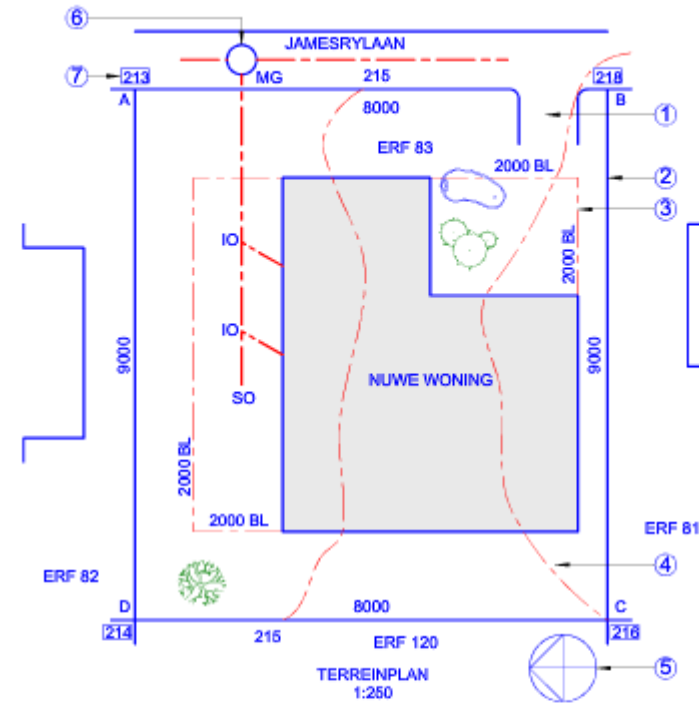
ANALYTICAL (CIVIL) / ANALITIES (SIVIEL)

DATE / DATUM:

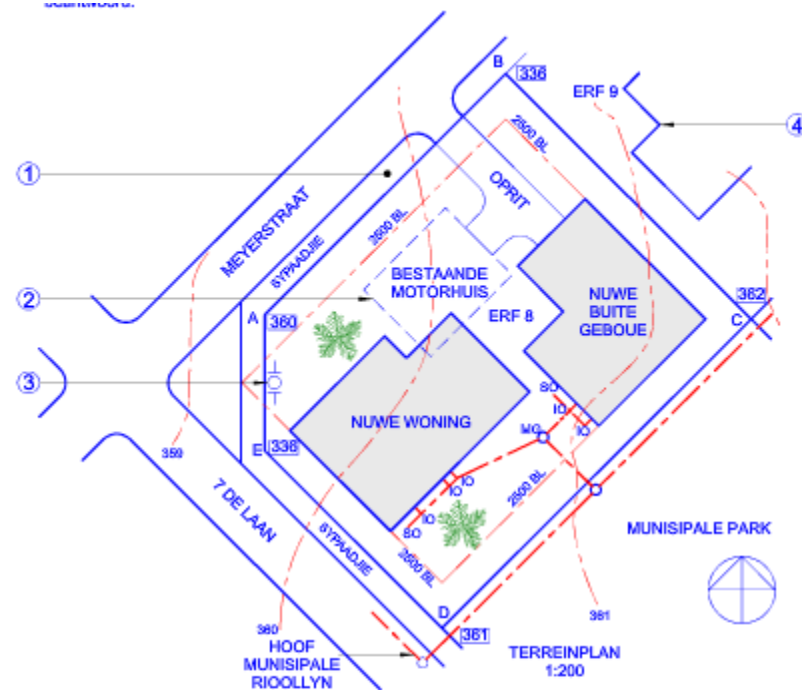
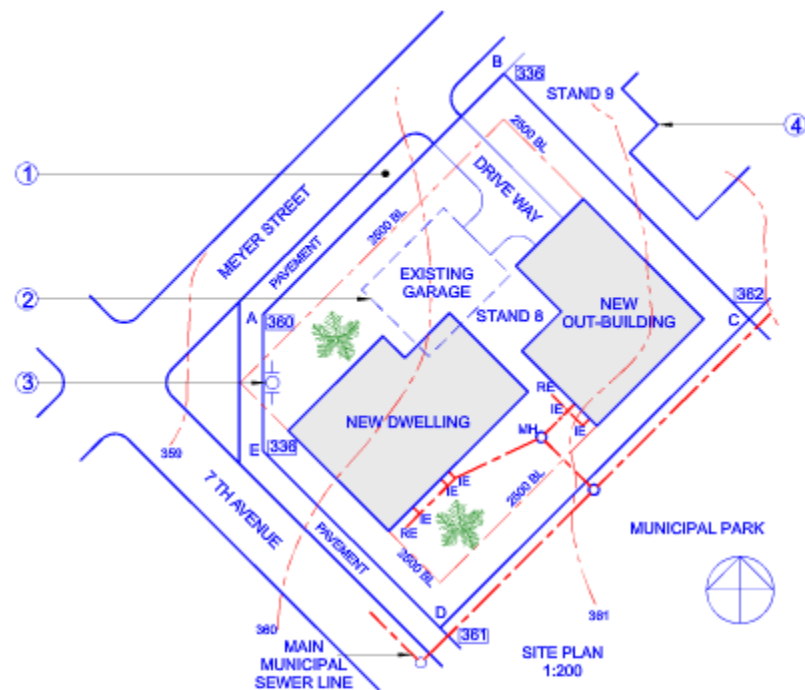
Complete the table below by neatly answering the questions, which all refer to the accompanying drawing.




Vullooi die tabel hieronder deur die vrae, wat almal na die bygaande tekening, netjies te beantwoord.



1. Name the feature at 1.	DRIVE WAY	1. Benoem die kenmerk by 1.	OPRIT
2. Name the feature at 2.	BOUNDARY LINE	2. Benoem die kenmerk by 2.	GRENSLYN
3. Name the feature at 3.	BUILDING LINE	3. Benoem die kenmerk by 3.	BOULYN
4. Name the feature at 4.	CONTOUR LINE	4. Benoem die kenmerk by 4.	KONTOERLYN
5. Name the feature at 5.	NORTH POINT / TRUE NORTH	5. Benoem die kenmerk by 5.	NOORDPUNT / WARE NOORD
6. Name the feature at 6.	MAN HOLE	6. Benoem die kenmerk by 6.	MANGAT
7. Name the feature at 7.	CORNER HEIGHT	7. Benoem die kenmerk by 7.	HOEKHOOGTE
8. How many rodding eye are there.	ONE	8. Hoeveel steekoë is daar?	EEN
9. Why would the municipality reject the plan?	SWIMMING POOL OVER BUILDING LINE	9. Waarom sou die munisipaliteit die plan afkeur ?	SWEMBAD OOR DIE BOULYN
10. Which corner is the lowest corner on STAND 83?	A / 213	10. Watler hoek is die laagste hoek van ERF 83?	A / 213
11. Which elevation of the new dwelling faces James Drive?	EAST ELEVATION	11. Watler aansig van die nuwe woning front na Jamesrylaan?	OOS-AANSIG
12. What colour must all new buildings be on a site plan?	RED	12. Watler kleur moet alle nuwe geboue op die terreinplan wees?	ROOI
 NAME / NAAM: _____ GRADE / GRAAD 10: _____	ENGINEERING GRAPHICS & DESIGN INGENIEURSGRAFIKA & ONTWERP		ANALYTICAL (CIVIL) / ANALITIES (SIVIEL) _____ DATE / DATUM: _____
			90



1. Name the feature at 1.	PAVEMENT	1. Benoem die kenmerk by 1.	SYPAADJIE
2. What must happen with the existing garage labelled 2?	DEMOLISHED / REMOVE	2. Wat moet met die bestaande motorhuis gemerk 2 gebeur?	SLOOP / VERWYDER / BREEK AF
3. Name the feature at 3.	WATER METER	3. Benoem die kenmerk by 3.	WATERMETER
4. Name the feature at 4?	ADJACENT BUILDING	4. Benoem die kenmerk by 4?	AANGRENSENDE GEBOU
5. How many complete stands are shown on the site plans?	ONE	5. Hoeveel voltooi de erwe is daar op die terreinplan?	EEN
6. What SI unit is used for dimensions?	MILLIMETRE / mm	6. Watter SI eenheid word vir die afmetings op die tekening gebruik?	MILLIMETER / mm
7. What is stand number to the north east .	STAND 9	7. Wat is die erfnommer aan die noordooste kant?	ERF 9
8. What street runs along the south western boundary?	7 TH AVENUE	8. Watter straat is aan die suidwestelike grens?	7 DE LAAN
9. How many new buildings have been proposed on the stand?	2	9. Hoeveel nuwe geboue word op die erf voorgestel?.	2
10. How many inspection eyes are shown on the drawing?	5	10. Hoeveel inspeksie-oë word op die tekening aangeloon?	5
11. In which colour could the sewer line be shown on a site plan?	BROWN	11. Watter kleur kan 'n rioollyn op 'n terreinplan aangeloon word?	BRUIN
12. How many rodding eye are there.	TWO	12. Hoeveel steekoë is daar?	TWEE

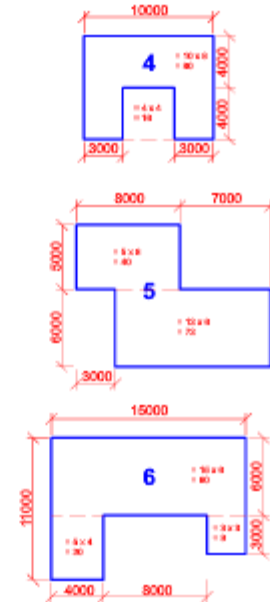
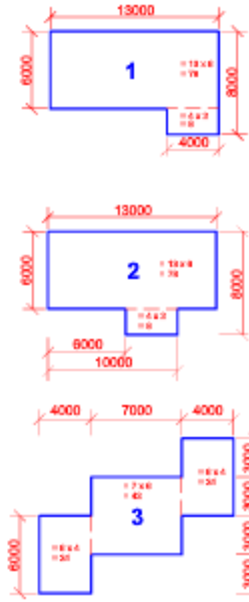
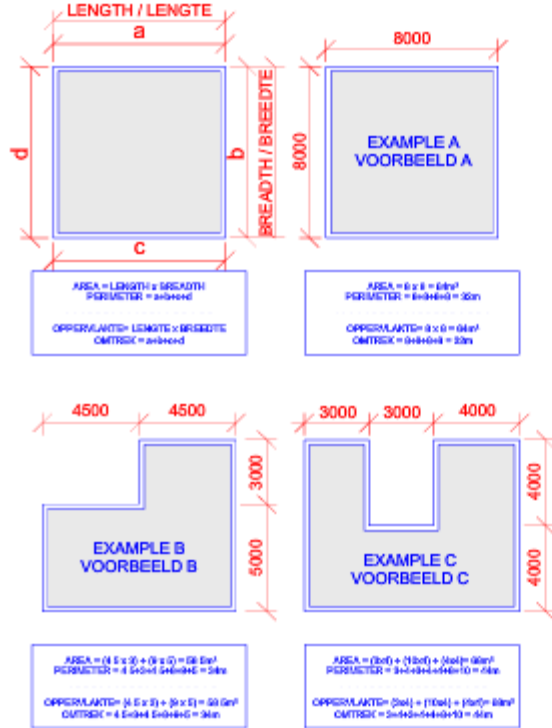

 NAME / NAAM: _____
 GRADE / GRAAD 10: _____

ENGINEERING GRAPHICS & DESIGN
 INGENIEURSGRAFIKA & ONTWERP

ANALYTICAL (CIVIL) / ANALITIES (SIVIEL)
 DATE / DATUM: _____

area of the rooms!!

oppervlakte nie!!



NOTE: The total area of a dwelling includes the outside walls and not only the floor area of the rooms!!

LET WEL: Die totale oppervlakte van 'n woning sluit die buitewand in en nie net die vloeroppervlakte nie!!

	AREA / OPPERVLAKTE	PERIMETER / OMTREK
1	= L x B = (13 x 8) + (4 x 2) = 78 + 8 = 86m ²	A+B+C+D+E+F = 13+8+4+2+8+6 = 42m
2	= L x B = (13 x 8) + (4 x 2) = 78 + 8 = 86m ²	A+B+C+D+E+F+G+H = 13+8+3+2+4+2+6+8 = 42m
3	= L x B = (8 x 4) + (7 x 6) + (6 x 4) = 24 + 42 + 24 = 90m ²	A+B+C+D+E+F+G+H+I+J+K+L = 8+4+3+7+3+4+6+4+3+7+3+4 = 54m
4	= L x B = (10 x 8) - (4 x 4) = 80 - 16 = 64m ²	A+B+C+D+E+F+H = 10+8+3+4+4+4+3+8 = 44m
5	= L x B = (8 x 5) + (12 x 6) = 40 + 72 = 112m ²	A+B+C+D+E+F+G+H = 8+5+7+8+12+6+3+5 = 52m
6	= L x B = (15 x 8) + (3 x 3) + (5 x 4) = 90 + 9 + 20 = 119m ²	A+B+C+D+E+F+G+H = 15+8+3+3+8+5+4+11 = 58m

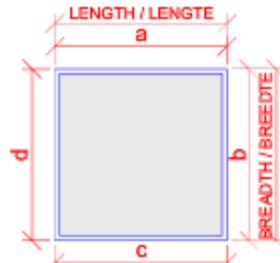
NAME / NAAM: _____
GRADE / GRAAD 10: _____

ENGINEERING GRAPHICS & DESIGN
INGENIEURSGRAFIKA & ONTWERP

CIVIL DRAWING / SIVIELE TEKENING
DATE / DATUM: _____

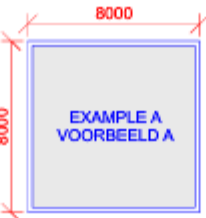
area of the rooms!!

oppervlakte nie!!



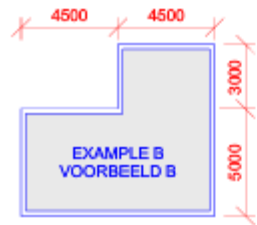
AREA = LENGTH x BREADTH
PERIMETER = 2x breadth

OPPERVLAKTE = LENGTE x BREEDTE
OMTREK = 2x breedte



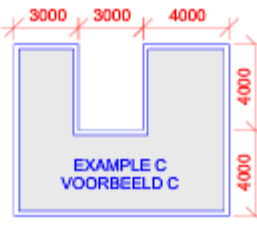
AREA = 8 x 8 = 64m²
PERIMETER = 4x8=32m

OPPERVLAKTE = 8 x 8 = 64m²
OMTREK = 4x8=32m



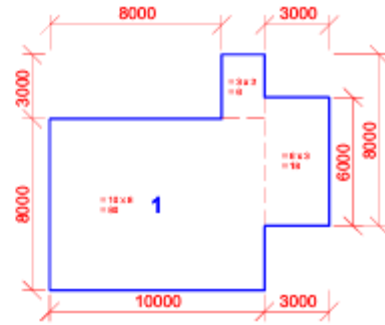
AREA = (4.5 x 3) + (3 x 2) = 18.5m²
PERIMETER = 4.5+4.5+3+3+5 = 20m

OPPERVLAKTE = (4.5 x 3) + (3 x 2) = 18.5m²
OMTREK = 4.5+4.5+3+3+5 = 20m

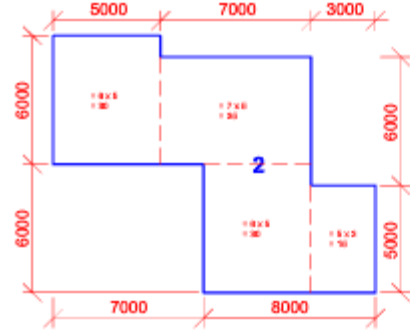


AREA = (3x4) + (1x4) + (1x4) = 16m²
PERIMETER = 3+3+4+4+4+4 = 22m

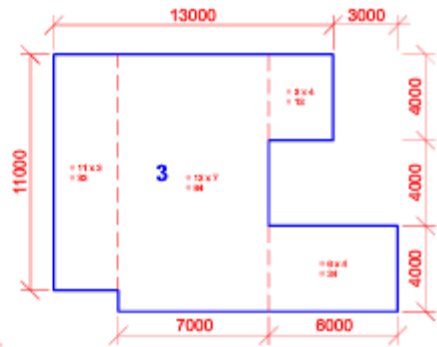
OPPERVLAKTE = (3x4) + (1x4) + (1x4) = 16m²
OMTREK = 3+3+4+4+4+4 = 22m



AREA = (10 x 8) + (3 x 2) + (6 x 3) = 104m²



AREA = (8 x 5) + (7 x 5) + (6 x 5) + (5 x 3) = 110m²



AREA = (11 x 3) + (12 x 7) + (3 x 4) + (6 x 4) = 153m²

NOTE: The total area of a dwelling includes the outside walls and not only the floor area of the rooms!!

LET WEL: Die totale oppervlakte van 'n woning sluit die buitemure in en nie net die vloeroppervlakte nie!!

	AREA / OPPERVLAKTE	PERIMETER / OMTREK
1	$= L \times B = (10 \times 8) + (3 \times 2) + (6 \times 3)$ $= 80 + 6 + 18$ $= 104m^2$	$= A+B+C+D+E+F+G+H+I+J$ $= 8+3+2+2+3+6+3+3+10+8$ $= 48m$
2	$= L \times B = (8 \times 5) + (7 \times 5) + (6 \times 5) + (5 \times 3)$ $= 30 + 35 + 30 + 15$ $= 110m^2$	$= A+B+C+D+E+F+G+H+I+J$ $= 5+1+7+6+3+5+8+6+7+6$ $= 54m$
3	$= L \times B = (11 \times 3) + (12 \times 7) + (3 \times 4) + (6 \times 4)$ $= 33 + 84 + 12 + 24$ $= 153m^2$	$= A+B+C+D+E+F+G+H+I+J$ $= 13+4+3+4+6+4+13+1+3+11$ $= 62m$



NAME / NAAM: _____
GRADE / GRAAD 10: _____

ENGINEERING GRAPHICS & DESIGN
INGENIEURSGRAFIKA & ONTWERP

CIVIL DRAWING / SIVIELE TEKENING
DATE / DATUM: _____

QUESTION:

The given figure shows an elevation and partial plan of an ND12F steel frame window built into a load-bearing wall (222 mm).

Draw to scale 1:20 an elevation and partial plan of the ND12F steel frame window built into a load-bearing wall.

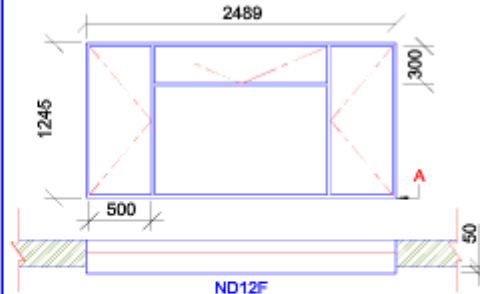
- * Conventional representation of the window must be used on the partial plan.
- * Special attention must be given to accuracy, standards and conventions.
- * Use point A to start the drawing.

VRAAG:

Die gegewe figuur toon 'n aansig en 'n gedeeltelike plan van 'n ND12F staalraamvenster wat in 'n lasdraende muur (222 mm) ingebou is.

Teken volgens skaal 1:20 'n aansig en 'n gedeeltelike plan van die ND12F staalraamvenster wat in 'n lasdraende muur ingebou is.

- * Die konvensionele voorstelling van die venster moet op die gedeeltelike plan gebruik word.
- * Spesiale aandag moet gegee word aan akkuraatheid, standaarde en konvensies.
- * Gebruik punt A om met die tekening te begin.



Note:
Insert the window opening!
Steel frame = 25 mm

Let wel:
Voeg vensteropenings in!
Staalraam = 25mm

QUESTION:

The given figure shows an elevation and partial plan of an NC2F steel frame window built into a load-bearing wall (222 mm).

Draw to scale 1:20 an elevation and partial plan of the NC2F steel frame window built into a load-bearing wall.

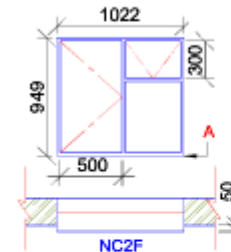
- * Conventional representation of the window must be used on the partial plan.
- * Special attention must be given to accuracy, standards and conventions.
- * Use point A to start the drawing.

VRAAG:

Die gegewe figuur toon 'n aansig en 'n gedeeltelike plan van 'n NC2F staalraamvenster wat in 'n lasdraende muur (222 mm) ingebou is.

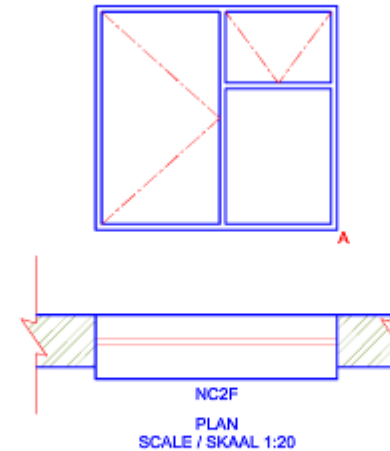
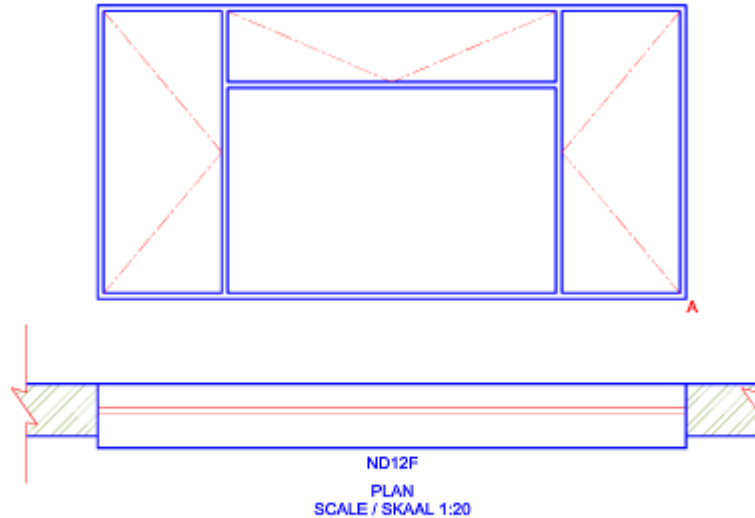
Teken volgens skaal 1:20 'n aansig en 'n gedeeltelike plan van die NC2F staalraamvenster wat in 'n lasdraende muur ingebou is.

- * Die konvensionele voorstelling van die venster moet op die gedeeltelike plan gebruik word.
- * Spesiale aandag moet gegee word aan akkuraatheid, standaarde en konvensies.
- * Gebruik punt A om met die tekening te begin.



Note:
Insert the window opening!
Steel frame = 25 mm

Let wel:
Voeg vensteropenings in!
Staalraam = 25mm



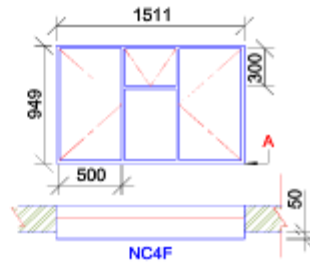
QUESTION:
The given figure shows an elevation and partial plan of an **NC4F** steel frame window built into a load-bearing wall (222 mm).

Draw to scale 1:20 an elevation and partial plan of the **NC4F** steel frame window built into a load-bearing wall.
 * Conventional representation of the window must be used on the partial plan.
 * Special attention must be paid to accuracy, standards and conventions.
 * Use point **A** to start the drawing.

VRAAG:

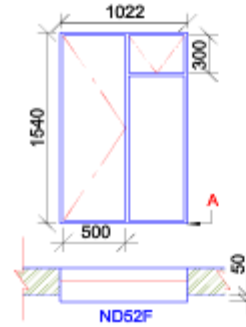
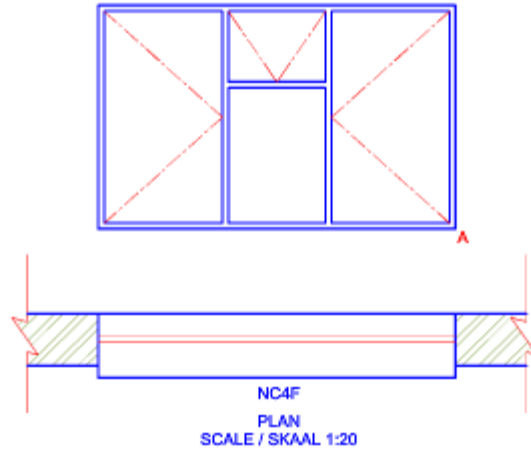
Die gegewe figuur toon 'n aansig en 'n gedeeltelike plan van 'n **NC4F** staalraamvenster wat in 'n lasdraende muur (222 mm) ingebou is.

Teken volgens skaal 1:20 'n aansig en 'n gedeeltelike plan van die **NC4F** staalraamvenster wat in 'n lasdraende muur ingebou is.
 * Die konvensionele voorstelling van die venster moet op die gedeeltelike plan gebruik word.
 * Spesiale aandag moet gegee word aan akkuraatheid, standaard en konvensies.
 * Gebruik punt **A** om met die tekening te begin.



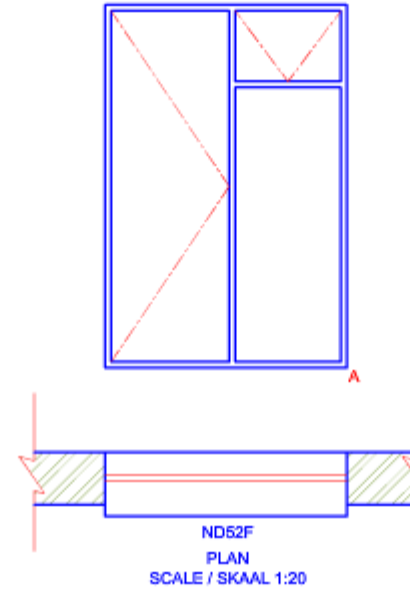
Note:
Insert the window opening!
Steel frame = 25 mm

Let wel:
Voeg vensteropenings in!
Staalraam = 25 mm



Note:
Insert the window opening!
Steel frame = 25 mm

Let wel:
Voeg vensteropenings in!
Staalraam = 25 mm



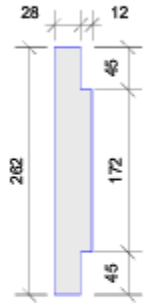
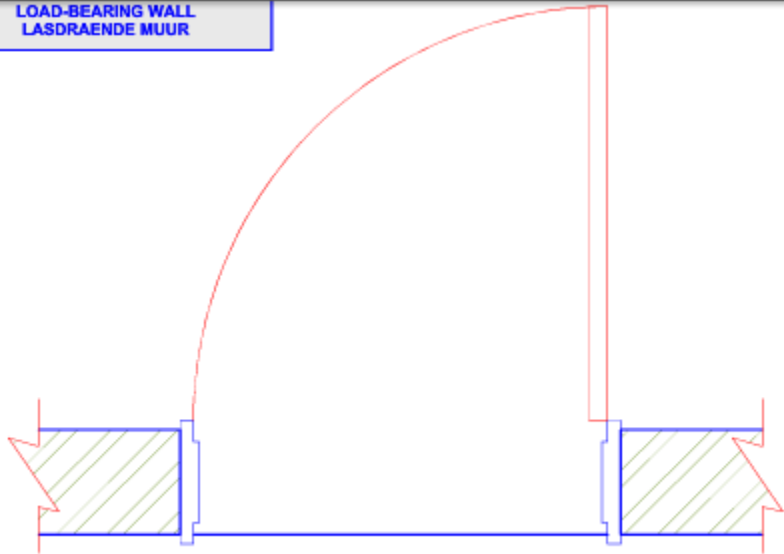
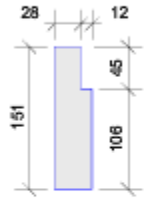
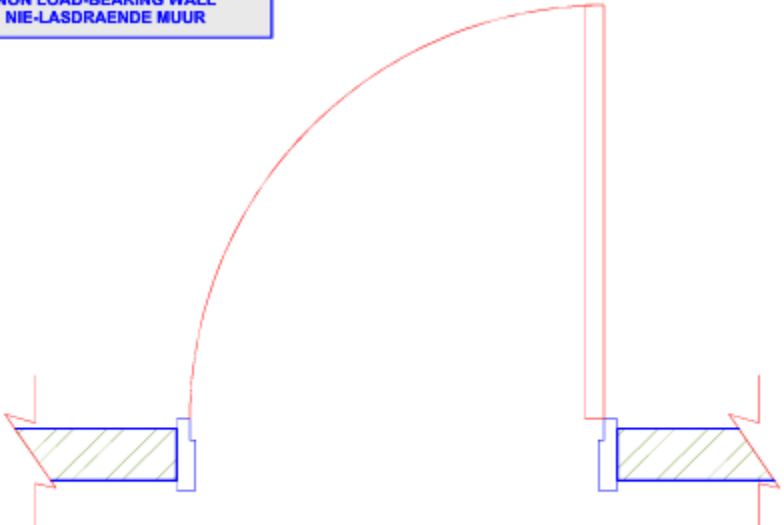
QUESTION:
The given figure shows an elevation and partial plan of an **ND52F** steel frame window built into a load-bearing wall (222 mm).

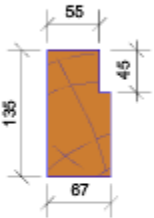
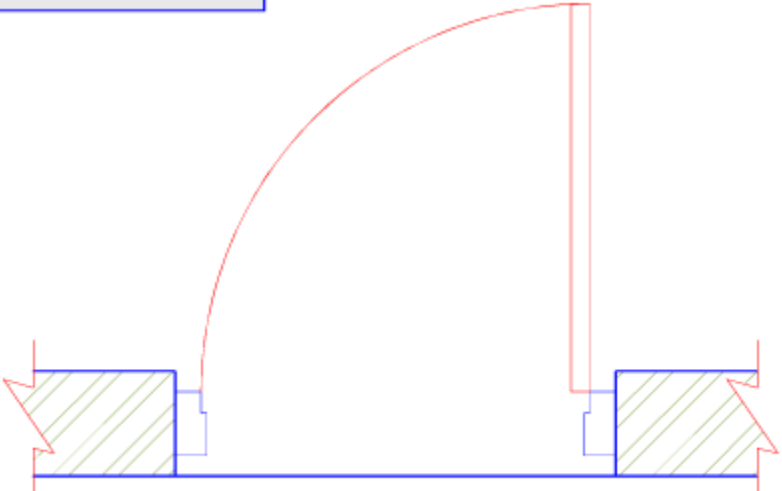
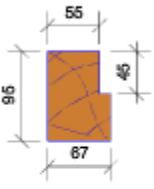
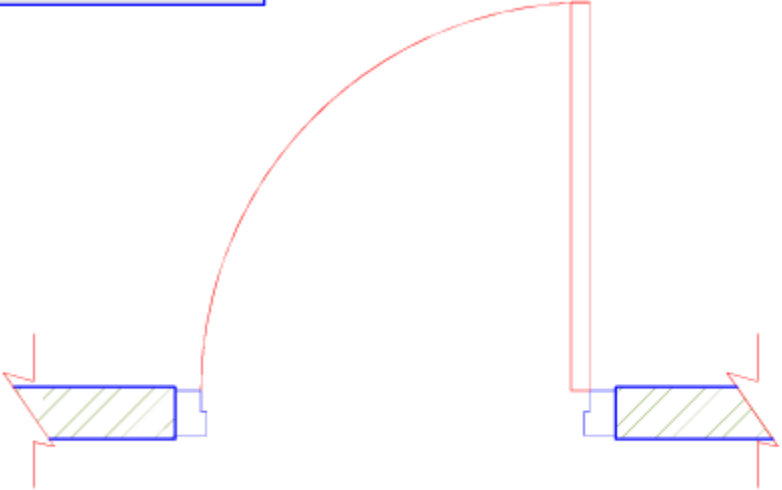
Draw to scale 1:20 an elevation and partial plan of the **ND52F** steel frame window built into a load-bearing wall.
 * Conventional representation of the window must be used on the partial plan.
 * Special attention must be paid to accuracy, standards and conventions.
 * Use point **A** to start the drawing.

VRAAG:

Die gegewe figuur toon 'n aansig en 'n gedeeltelike plan van 'n **ND52F** staalraamvenster wat in 'n lasdraende muur (222 mm) ingebou is.

Teken volgens skaal 1:20 'n aansig en 'n gedeeltelike plan van die **ND52F** staalraamvenster wat in 'n lasdraende muur ingebou is.
 * Die konvensionele voorstelling van die venster moet op die gedeeltelike plan gebruik word.
 * Spesiale aandag moet gegee word aan akkuraatheid, standaard en konvensies.
 * Gebruik punt **A** om met die tekening te begin.

<p style="text-align: center;">QUESTION:</p> <p>Given:</p> <ul style="list-style-type: none"> * The profile of a metal door frame with a double rebate. * An incomplete floor plan of the opening of an external door, drawn to scale 1:10. <p>Instructions:</p> <p>Using the given incomplete opening and draw to scale 1:10, the following:</p> <ul style="list-style-type: none"> * The frame profile in the door opening. * The door and door swing. <p>Note:</p> <p>External door = 40mm thick.</p> <p style="text-align: center;">VRAAG:</p> <p>Gegee:</p> <ul style="list-style-type: none"> * Die profiel van 'n metaal deurraam met 'n dubbel sponning. * Die onvolledige vloerplan van die opening van 'n eksterne deur, geteken volgens skaal 1:10. <p>Instruksies:</p> <p>Gebruik die gegewe onvolledige opening en teken volgens skaal 1:10 die volgende:</p> <ul style="list-style-type: none"> * Die raamprofiel in die deuropening. * Die deur en deurswaai. <p>Let wel:</p> <p>Eksterne deur is 40mm dik.</p>	<p style="text-align: center;">METAL FRAME PROFILE METAALRAAMPROFIEL</p> 	<p style="text-align: center;">LOAD-BEARING WALL LASDRAENDE MUUR</p>  <p style="text-align: center;">FLOOR PLAN - SCALE 1:10 / VLOERPLAN SKAAL 1:10</p>
<p style="text-align: center;">QUESTION:</p> <p>Given:</p> <ul style="list-style-type: none"> * The profile of a metal door frame with a single rebate. * An incomplete floor plan of the opening of an internal door, drawn to scale 1:10. <p>Instructions:</p> <p>Using the given incomplete opening and draw to scale 1:10, the following:</p> <ul style="list-style-type: none"> * The frame profile in the door opening. * The door and door swing. <p>Note:</p> <p>Internal door = 40mm thick.</p> <p style="text-align: center;">VRAAG:</p> <p>Gegee:</p> <ul style="list-style-type: none"> * Die profiel van 'n metaal deurraam met 'n enkel sponning. * Die onvolledige vloerplan van die opening van 'n interne deur, geteken volgens skaal 1:10. <p>Instruksies:</p> <p>Gebruik die gegewe onvolledige opening en teken volgens skaal 1:10 die volgende:</p> <ul style="list-style-type: none"> * Die raamprofiel in die deuropening. * Die deur en deurswaai. <p>Let wel:</p> <p>Interne deur is 40mm dik.</p>	<p style="text-align: center;">METAL FRAME PROFILE METAALRAAMPROFIEL</p> 	<p style="text-align: center;">NON LOAD-BEARING WALL NIE-LASDRAENDE MUUR</p>  <p style="text-align: center;">FLOOR PLAN / VLOERPLAN SCALE / SKAAL 1:10</p>
<p>NAME / NAAM: _____</p> <p>GRADE / GRAAD 10: _____</p>	<p>ENGINEERING GRAPHICS & DESIGN INGENIEURSGRAFIKA & ONTWERP</p>	<p>CIVIL DRAWING / SIVIELE TEKENING</p> <p>DATE / DATUM: _____</p>

<p style="text-align: center;">QUESTION:</p> <p>Given:</p> <ul style="list-style-type: none"> * The profile of a wooden door frame. * An incomplete floor plan of the opening of an external door, drawn to scale 1:10. <p>Instructions:</p> <p>Using the given incomplete opening and draw to scale 1:10, the following:</p> <ul style="list-style-type: none"> * The frame profile in the door opening. * The door and door swing. <p>Note:</p> <p>External door = 40mm thick.</p> <p style="text-align: center;">VRAAG:</p> <p>Gegee:</p> <ul style="list-style-type: none"> * Die profiel van 'n hout deurraam. * Die onvolledige vloerplan van die opening van 'n eksterne deur, geteken volgens skaal 1:10. <p>Instruksies:</p> <p>Gebruik die gegewe onvolledige opening en teken volgens skaal 1:10 die volgende:</p> <ul style="list-style-type: none"> * Die raamprofiel in die deuropening. * Die deur en deurswaai. <p>Let wel:</p> <p>Eksterne deur is 40mm dik.</p>	<p style="text-align: center;">WOODEN FRAME PROFILE HOUTRAAMPROFIEL</p>  <p style="text-align: center;">LOAD-BEARING WALL WITH STANDARD DOOR FRAME</p> <p style="text-align: center;">LASDRAENDE MUUR MET STANDAARD DEURRAAM</p>	<p style="text-align: center;">LOAD-BEARING WALL LASDRAENDE MUUR</p>  <p style="text-align: center;">FLOOR PLAN / VLOERPLAN SCALE / SKAAL 1:10</p>
<p style="text-align: center;">QUESTION:</p> <p>Given:</p> <ul style="list-style-type: none"> * The profile of a wooden door frame. * An incomplete floor plan of the opening of an internal door, drawn to scale 1:10. <p>Instructions:</p> <p>Using the given incomplete opening and draw to scale 1:10, the following:</p> <ul style="list-style-type: none"> * The frame profile in the door opening. * The door and door swing. <p>Note:</p> <p>Internal door = 40mm thick.</p> <p style="text-align: center;">VRAAG:</p> <p>Gegee:</p> <ul style="list-style-type: none"> * Die profiel van 'n hout deurraam. * Die onvolledige vloerplan van die opening van 'n interne deur, geteken volgens skaal 1:10. <p>Instruksies:</p> <p>Gebruik die gegewe onvolledige opening en teken volgens skaal 1:10 die volgende:</p> <ul style="list-style-type: none"> * Die raamprofiel in die deuropening. * Die deur en deurswaai. <p>Let wel:</p> <p>Interne deur is 40mm dik.</p>	<p style="text-align: center;">WOODEN FRAME PROFILE HOUTRAAMPROFIEL</p>  <p style="text-align: center;">NON LOAD-BEARING WALL WITH STANDARD DOOR FRAME</p> <p style="text-align: center;">NIE-LASDRAENDE MUUR MET STANDAARD DEURRAAM</p>	<p style="text-align: center;">NON LOAD-BEARING WALL NIE-LASDRAENDE MUUR</p>  <p style="text-align: center;">FLOOR PLAN / VLOERPLAN SCALE / SKAAL 1:10</p>
<p>NAME / NAAM: _____</p> <p>GRADE / GRAAD 10: _____</p>	<p>ENGINEERING GRAPHICS & DESIGN INGENIEURSGRAFIKA & ONTWERP</p>	<p>CIVIL DRAWING / SIVIELE TEKENING</p> <p>DATE / DATUM: _____</p>