

# 3.6.2 THE CONSTRUCTION INDUSTRY CIVIL DRAWINGS

Developed by: PC Viljoen  
Senior Educational Specialist for  
Engineering Graphics and Design  
Free State Province

# PRESCRIBED CONTENT FOR GRADE 10

- **Annotations**, abbreviations, labels, notes, dimensioning and scales.
- Relevant abbreviations and conventions.
- Hatching detail.
- Calculating the floor area of a house.
- Calculating the perimeter of a house.
- The floor plan showing the windows and doors.
- Basic single line elevations.
- Sectional elevations showing the detail from the foundation to the concrete slab.

# RELEVANT ANNOTATIONS (Gothic Printing)

A B C D E F G H I J K L M N

O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

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# RELEVANT ABBREVIATIONS

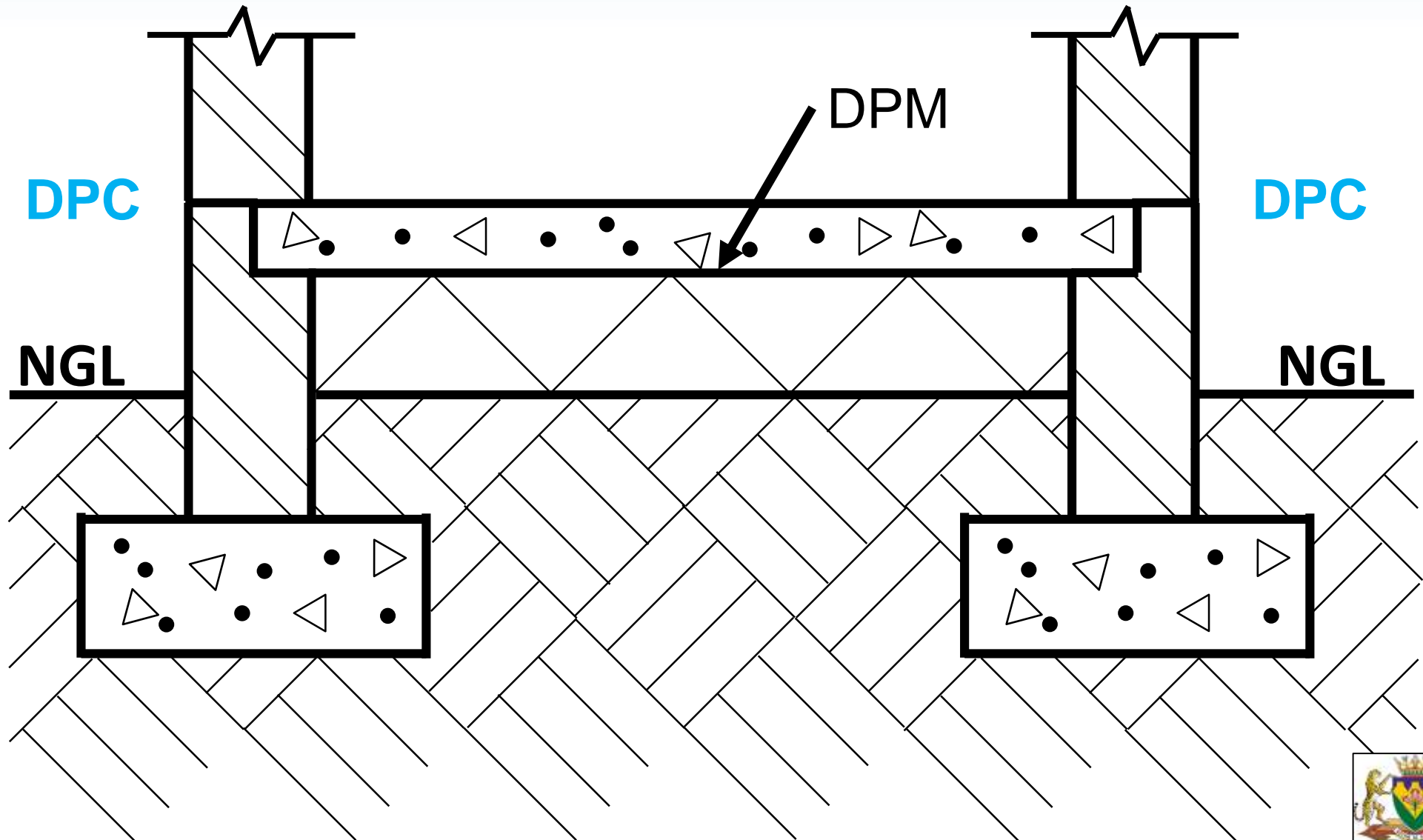
- Abbreviations are:
  - **DPC** = **Damp Proof Course**
  - **FFL** = **Finished Floor Level**
  - **NGL** = **Natural Ground Level**
  - **NTS** = **Not To Scale**

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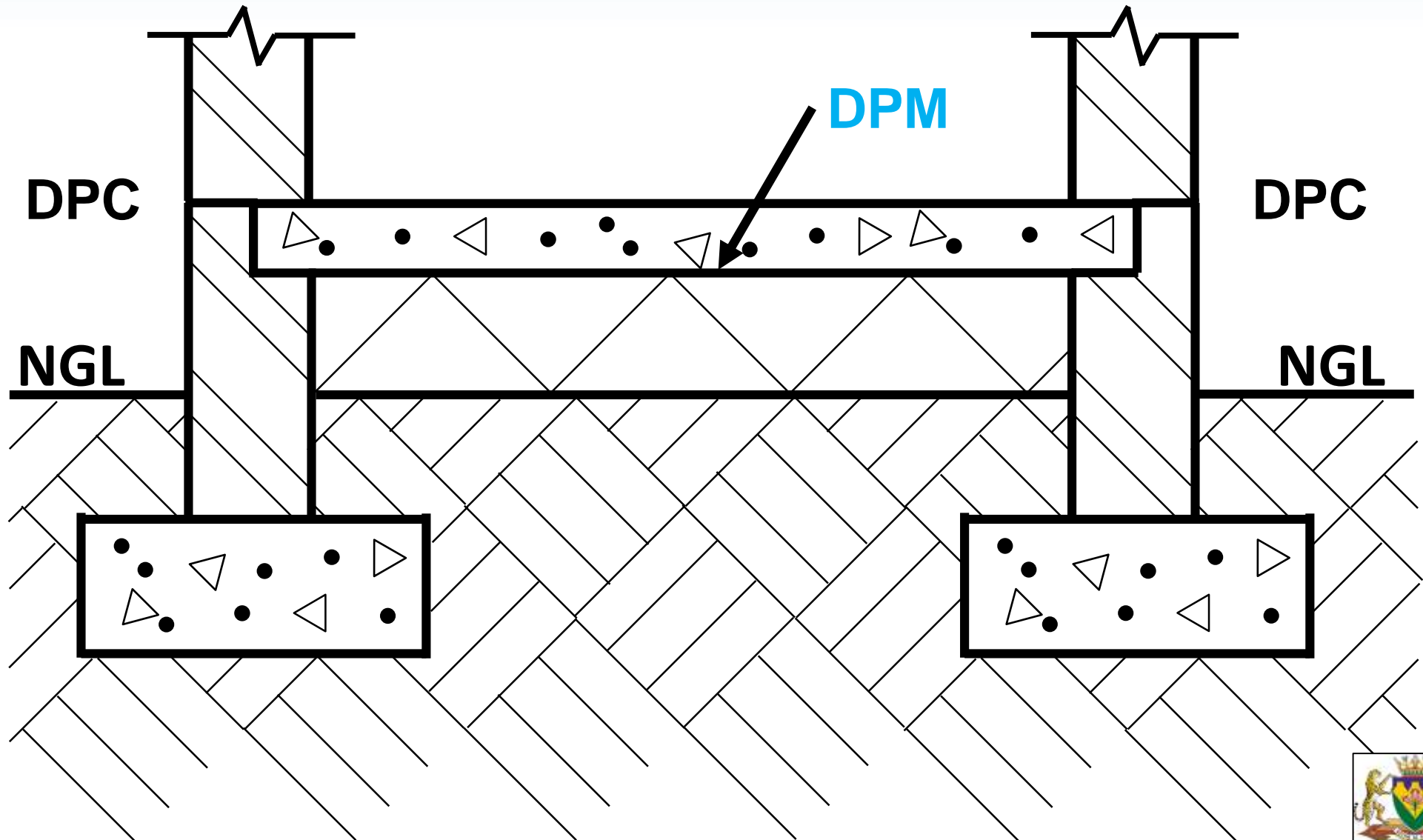
# RELEVANT LABELS

(DPC: Damp Proof Course)



# RELEVANT LABELS

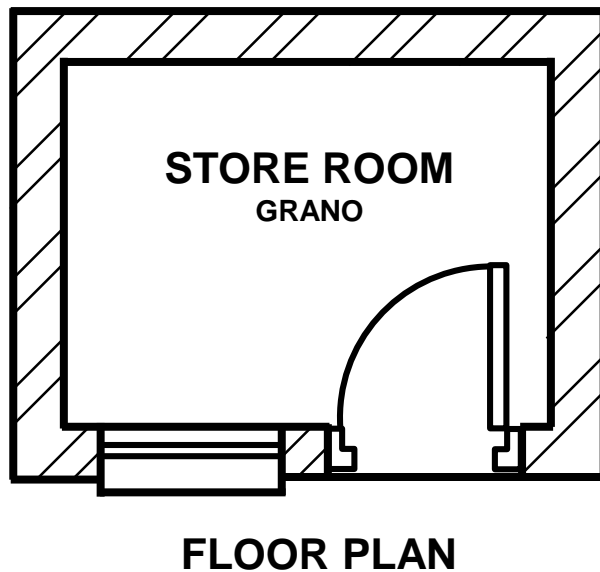
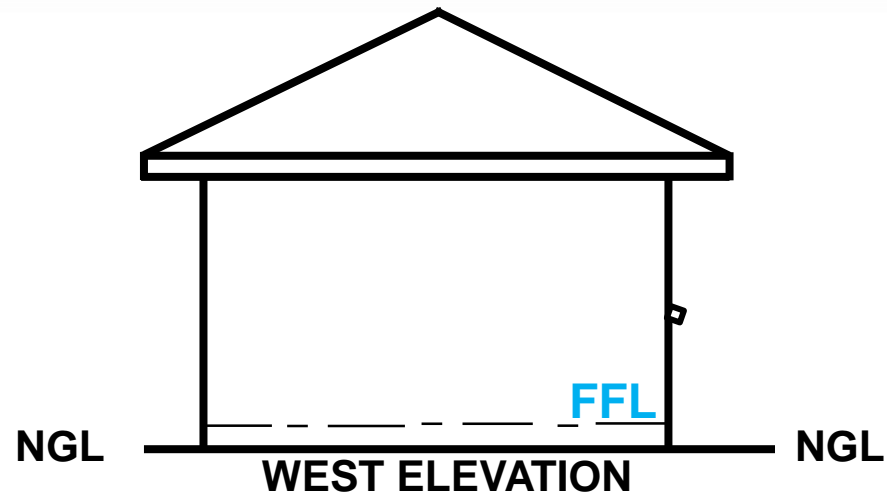
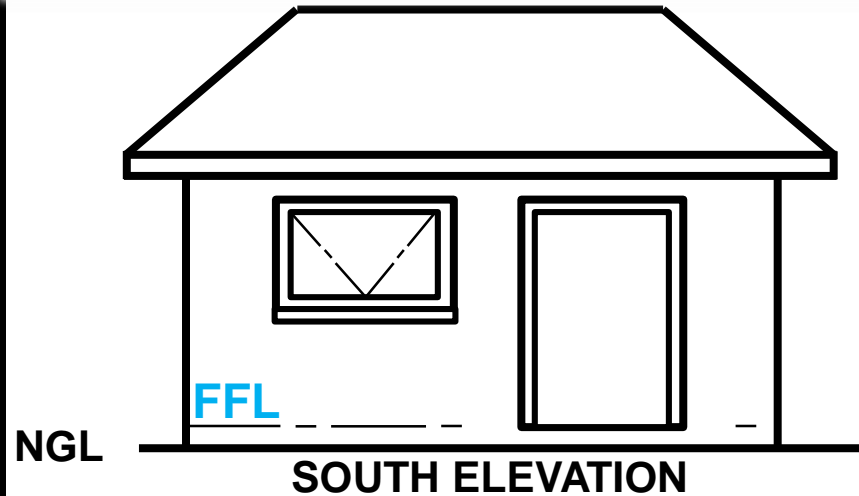
(DPC: Damp Proof Membrane)





# RELEVANT LABELS

## FFL: Finished Floor Level



AANBOUING AAN WONING VAN  
MNR & MEV DU PLESSIS

ERF 177,  
12 FRANS VENTERSTRAAT,  
LANGENHOVENPARK,  
BLOEMFONTEIN

HANDTEKENING VAN KLIENT:  
\_\_\_\_\_

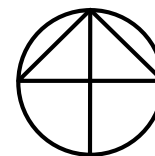
DATUM: JANUARIE 2010

GETEKEN DEUR: PC VILJOEN

NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS

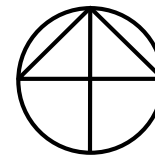
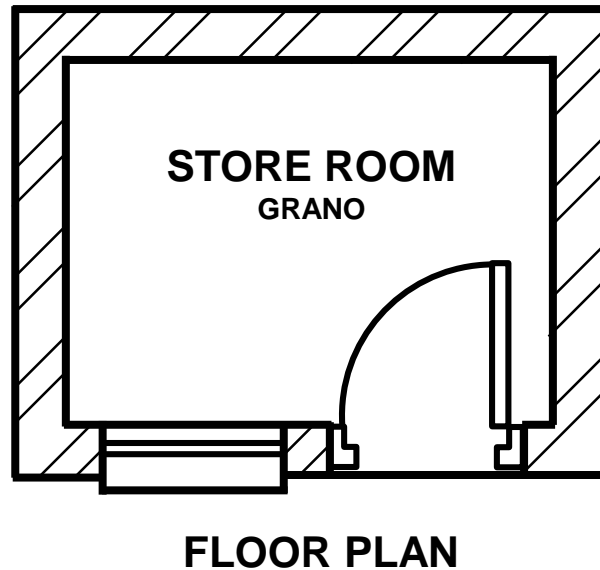
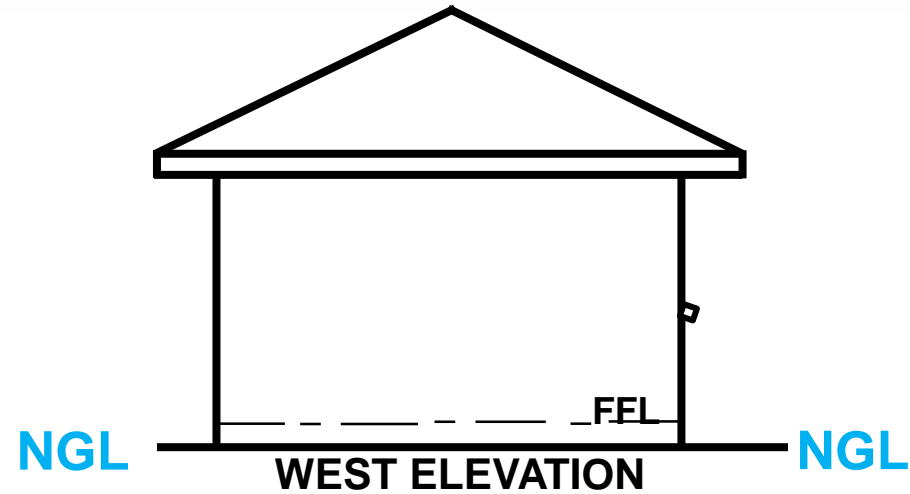
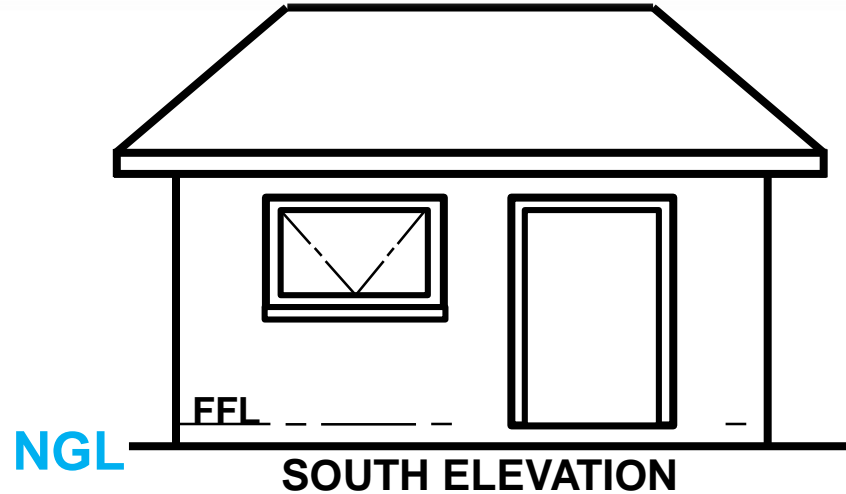
HANDTEKENING: \_\_\_\_\_

TEKENING NO: \_\_\_\_\_



# RELEVANT LABELS

(NGL: Natural Ground Level)



AANBOUING AAN WONING VAN  
MNR & MEV DU PLESSIS

ERF 177,  
12 FRANS VENTERSTRAAT,  
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HANDTEKENING VAN KLIENT:  
\_\_\_\_\_

DATUM: JANUARIE 2010

GETEKEN DEUR: PC VILJOEN

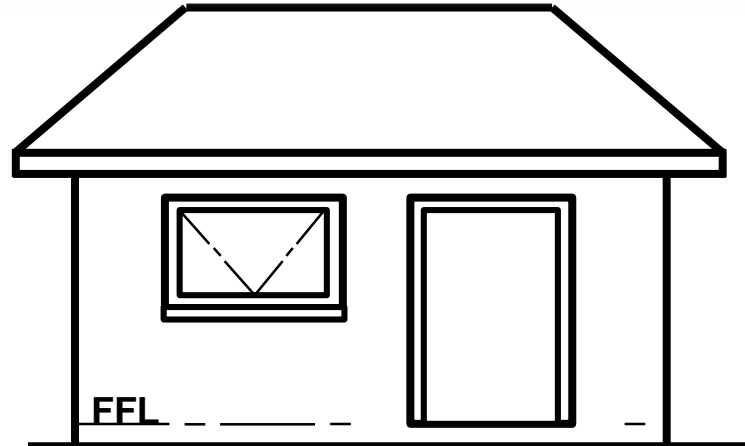
NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS

HANDTEKENING: \_\_\_\_\_

TEKENING NO: \_\_\_\_\_

# RELEVANT LABELS

(NTS: Not To Scale)

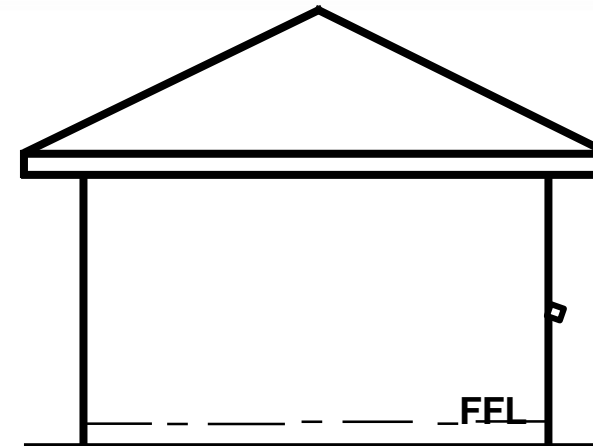


NGL

FEL

NGL

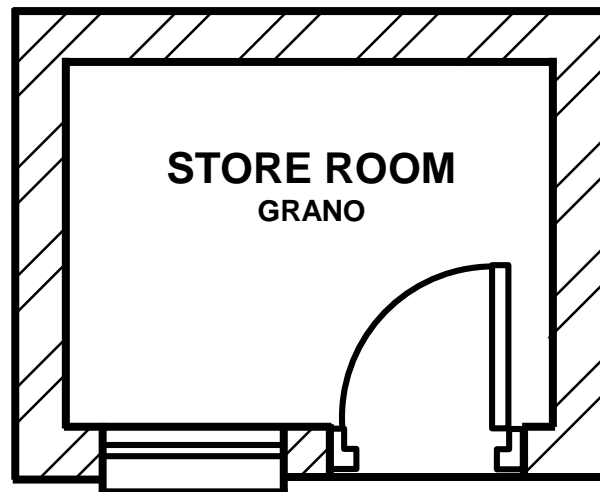
SOUTH ELEVATION



FEL

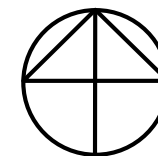
NGL

WEST ELEVATION



STORE ROOM  
GRANO

FLOOR PLAN



AANBOUING AAN WONING VAN  
MNR & MEV DU PLESSIS

ERF 177,  
12 FRANS VENTERSTRAAT,  
LANGENHOVENPARK,  
BLOEMFONTEIN

HANDTEKENING VAN KLIENT:

**NTS**

DATUM: JANUARIE 2010

GETEKEN DEUR: PC VILJOEN

NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS

HANDTEKENING: \_\_\_\_\_

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education

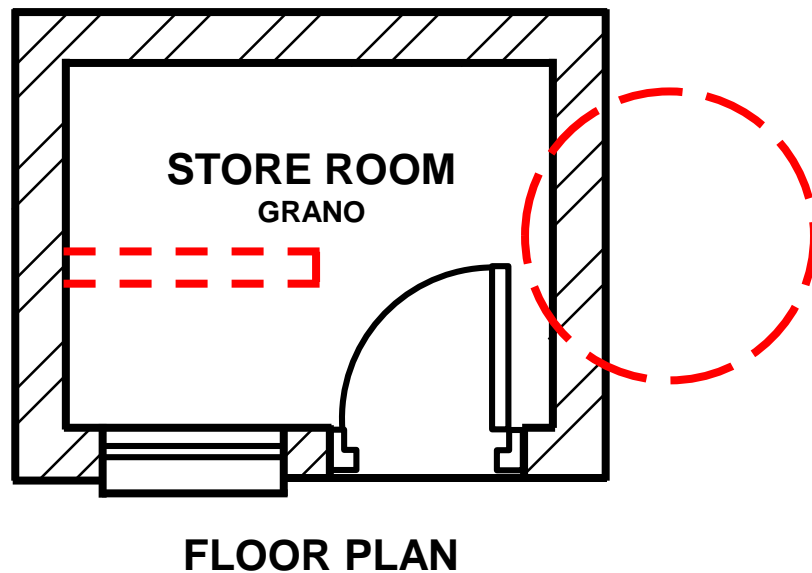
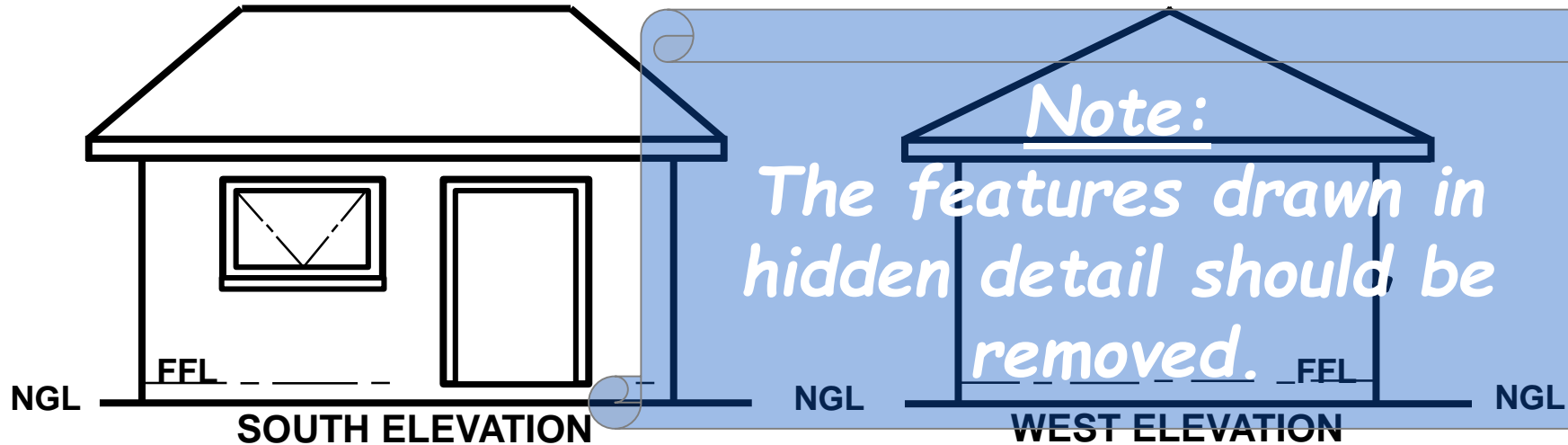
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Education  
FREE STATE PROVINCE

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# RELEVANT NOTES

(All features on premises to be removed)



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HANDTEKENING VAN KLIENT:

NTS

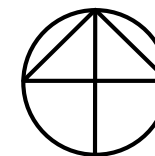
DATUM: JANUARIE 2010

GETEKEN DEUR: PC VILJOEN

NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS

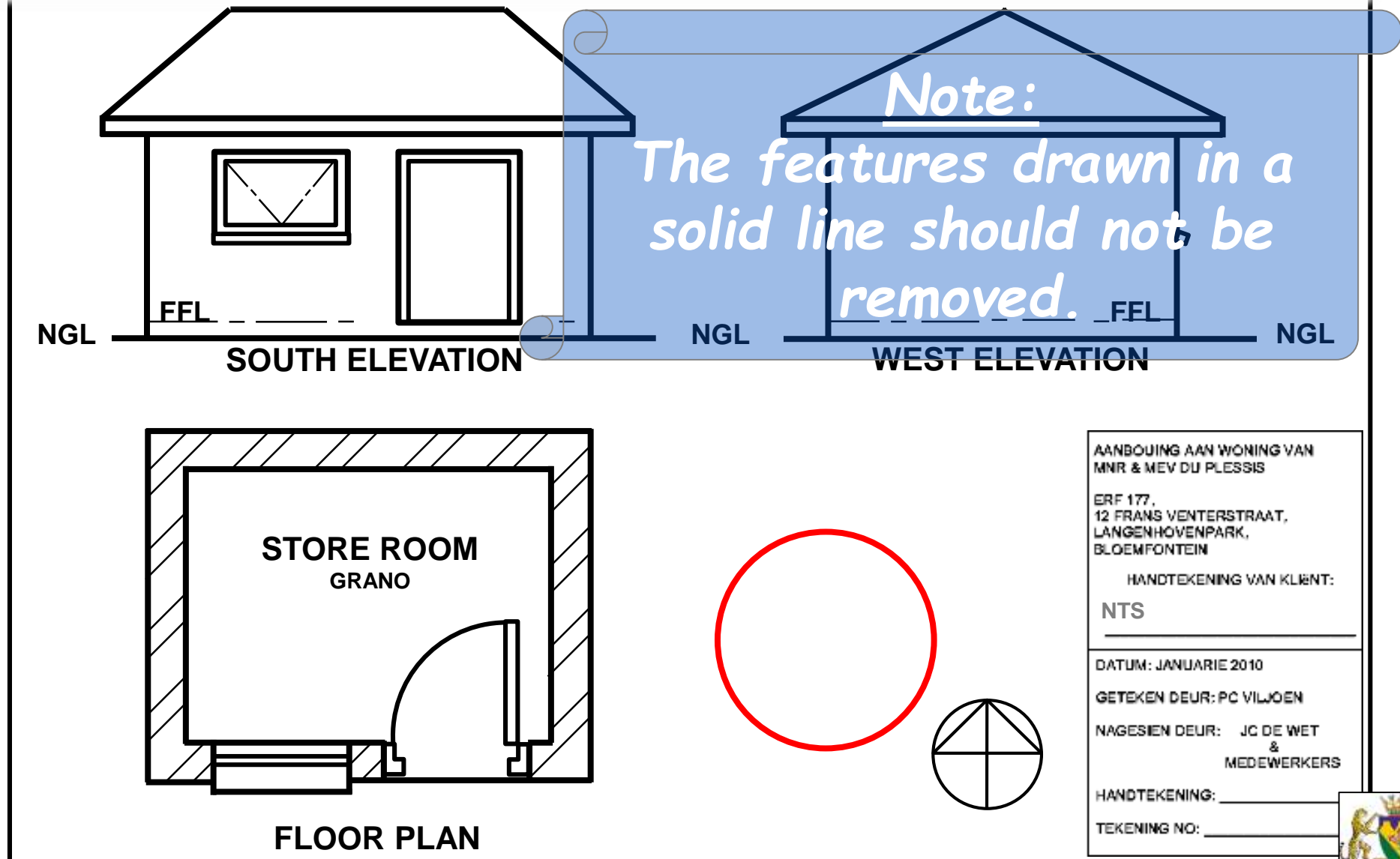
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TEKENING NO: \_\_\_\_\_



# RELEVANT NOTES

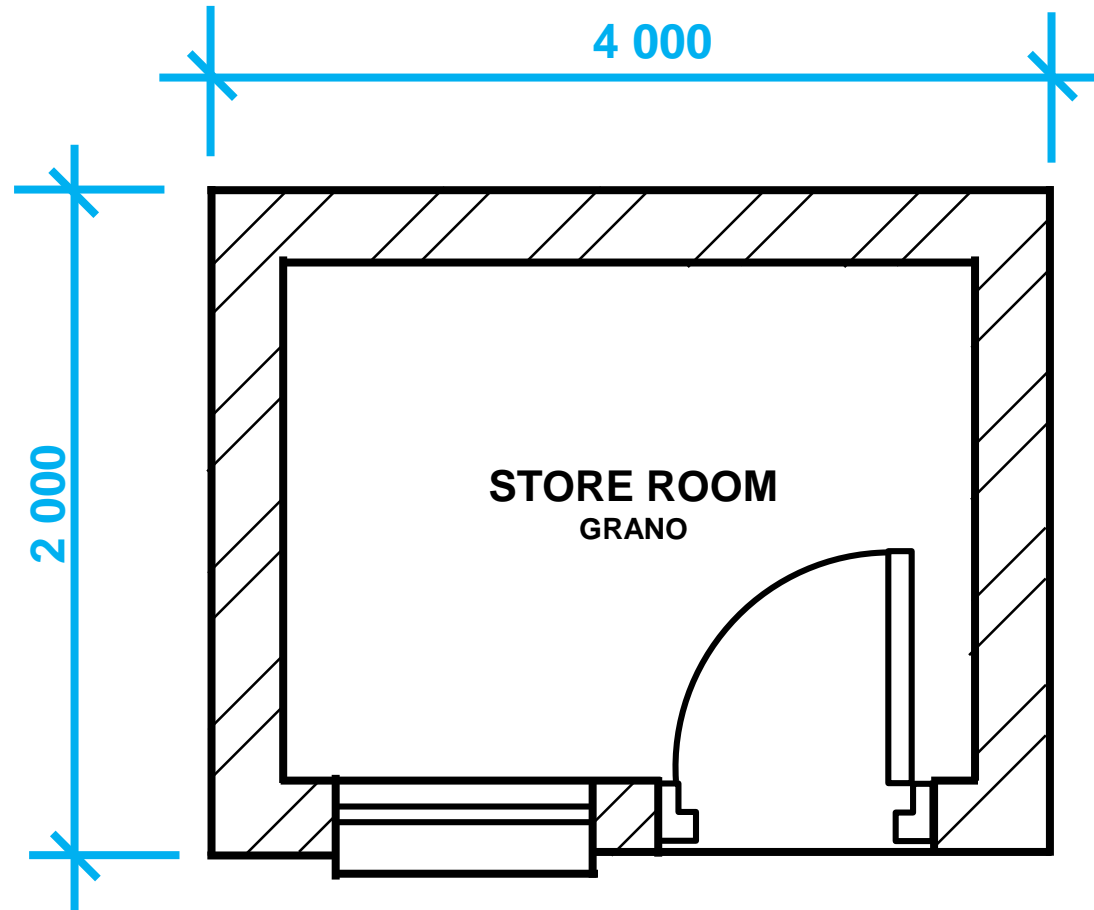
All features in solid lines NOT to be removed



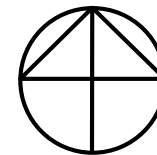
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# RELEVANT DIMENSIONING



FLOOR PLAN



ARGITEK:  
JC DE WET  
BUS: 1 780,  
BAINSVLEI,  
9338  
TEL NO: 083 437 4224

SACAP REG NO: TO 13631

OPPERVLAKTE VAN ...

ERF: 2 000 m<sup>2</sup>

BESTAANDE WONING: 269,8 m<sup>2</sup>  
WONING AANBOUINGS: 8,4 m<sup>2</sup>  
TOTAAL NUWE WONING: 278 m<sup>2</sup>

SKAAL VAN

VLOERPLAN - 1:100  
AANSIGTE - 1:100  
SNITPLANNE - 1:100  
TERREINPLAN - 1:200

AANBOUING AAN WONING VAN  
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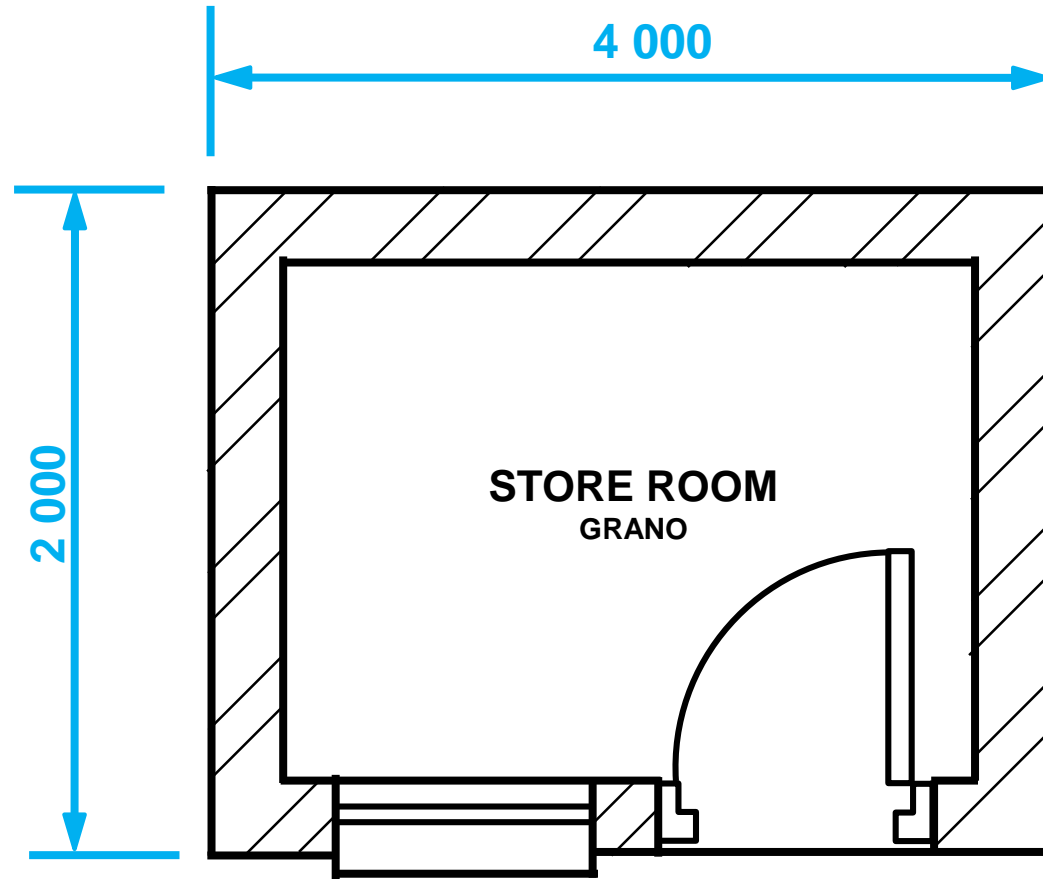


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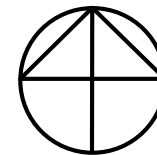


# RELEVANT DIMENSIONING



STORE ROOM  
GRANO

FLOOR PLAN



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JC DE WET  
BUS: 1 780,  
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SACAP REG NO: TO 13631

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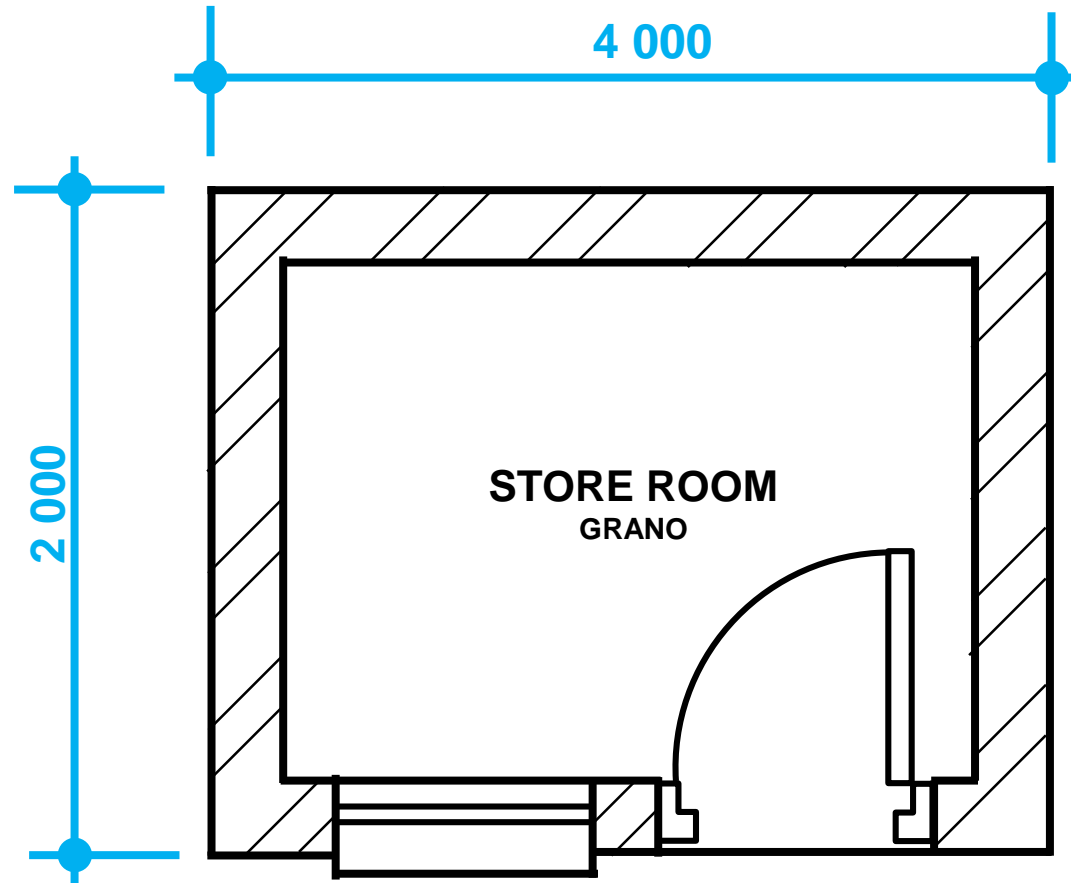
NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS

HANDTEKENING: \_\_\_\_\_

TEKENING NO: \_\_\_\_\_

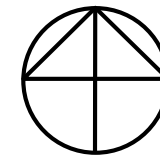


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# RELEVANT SCALES

- Scale of layout drawings (e.g. Floor plan, elevations and sectioning):
  - **1:200**
  - **1:100**
  - **1:50**

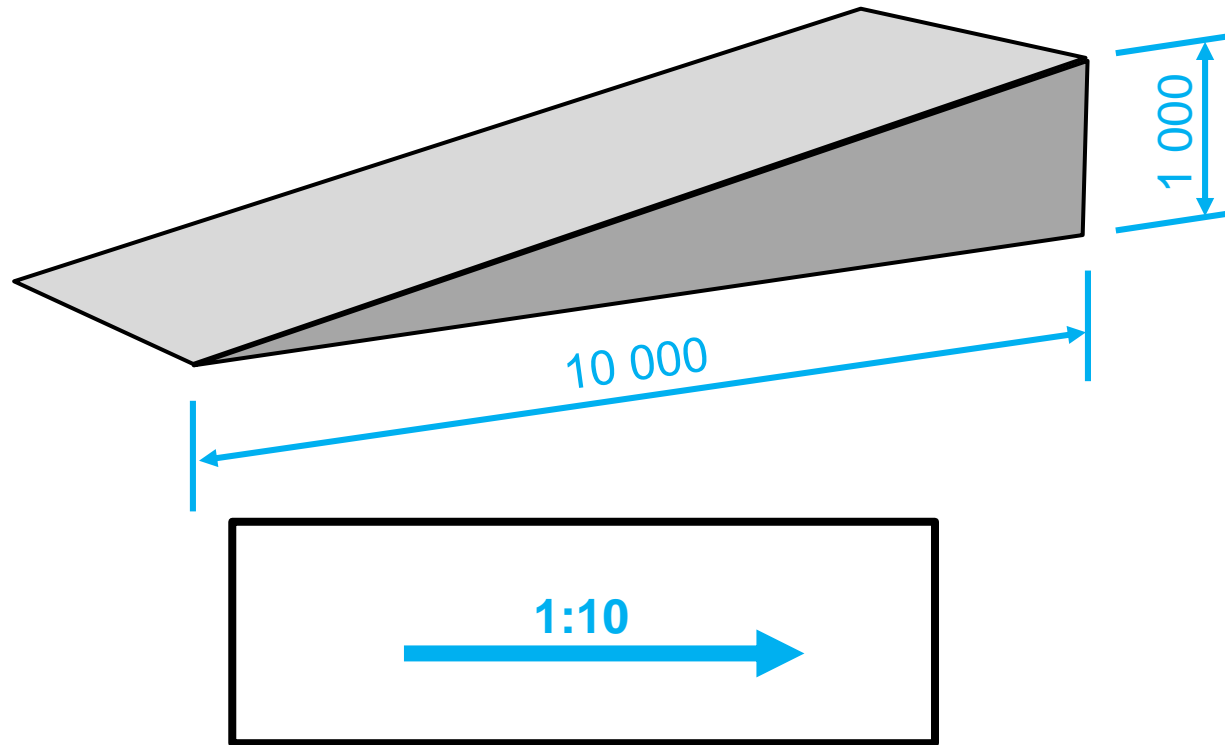
# RELEVANT SCALES

- Scale of components:
  - **1:50**
  - **1:20**
  - **1:10**
  - **1:5**
  - **1:2**

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# RELEVANT CONVENTIONS (Ramp)



**ARROW INDICATES UPWARDS**

BAINSVLEI,  
9338  
TEL NO: 083 437 4224  
SACAP REG NO: TO 13631

OPPERVLAKTE VAN ...

ERF: 2 000 m<sup>2</sup>

BESTAANDE WONING: 269,8 m<sup>2</sup>  
WONING AANBOUINGS: 8,4 m<sup>2</sup>  
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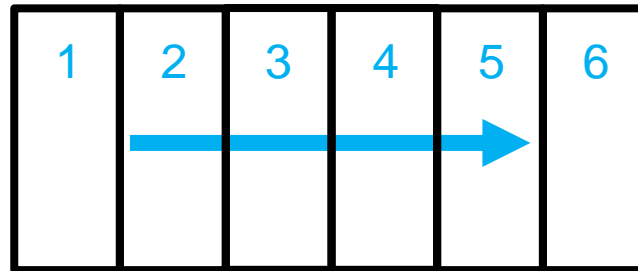
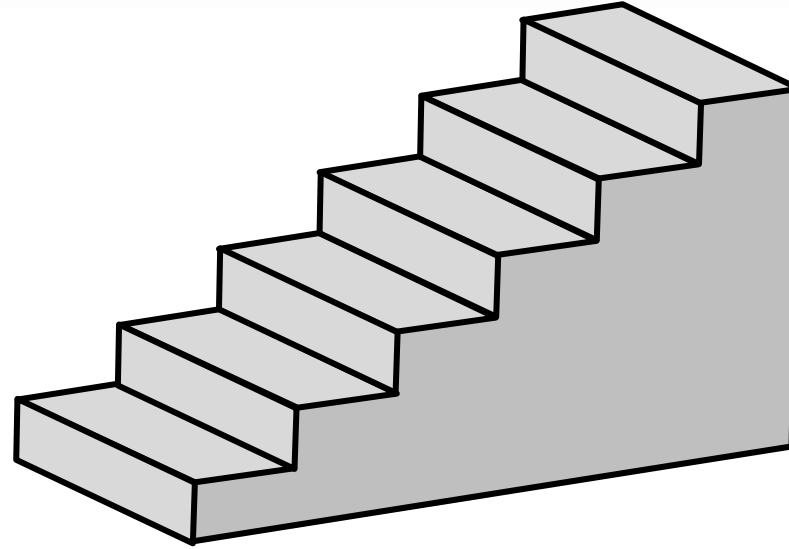
TEKENING NO: \_\_\_\_\_



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# RELEVANT CONVENTIONS (Staircase)



**ARROW INDICATES UPWARDS**

BAINSVLEI,  
9338  
TEL NO: 083 437 4224

SACAP REG NO: TO 13631

OPPERVLAKTE VAN ...

ERF: 2 000 m<sup>2</sup>

BESTAANDE WONING: 269,6 m<sup>2</sup>  
WONING AANBOUINGS: 8,4 m<sup>2</sup>  
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&  
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HANDTEKENING: \_\_\_\_\_

TEKENING NO: \_\_\_\_\_



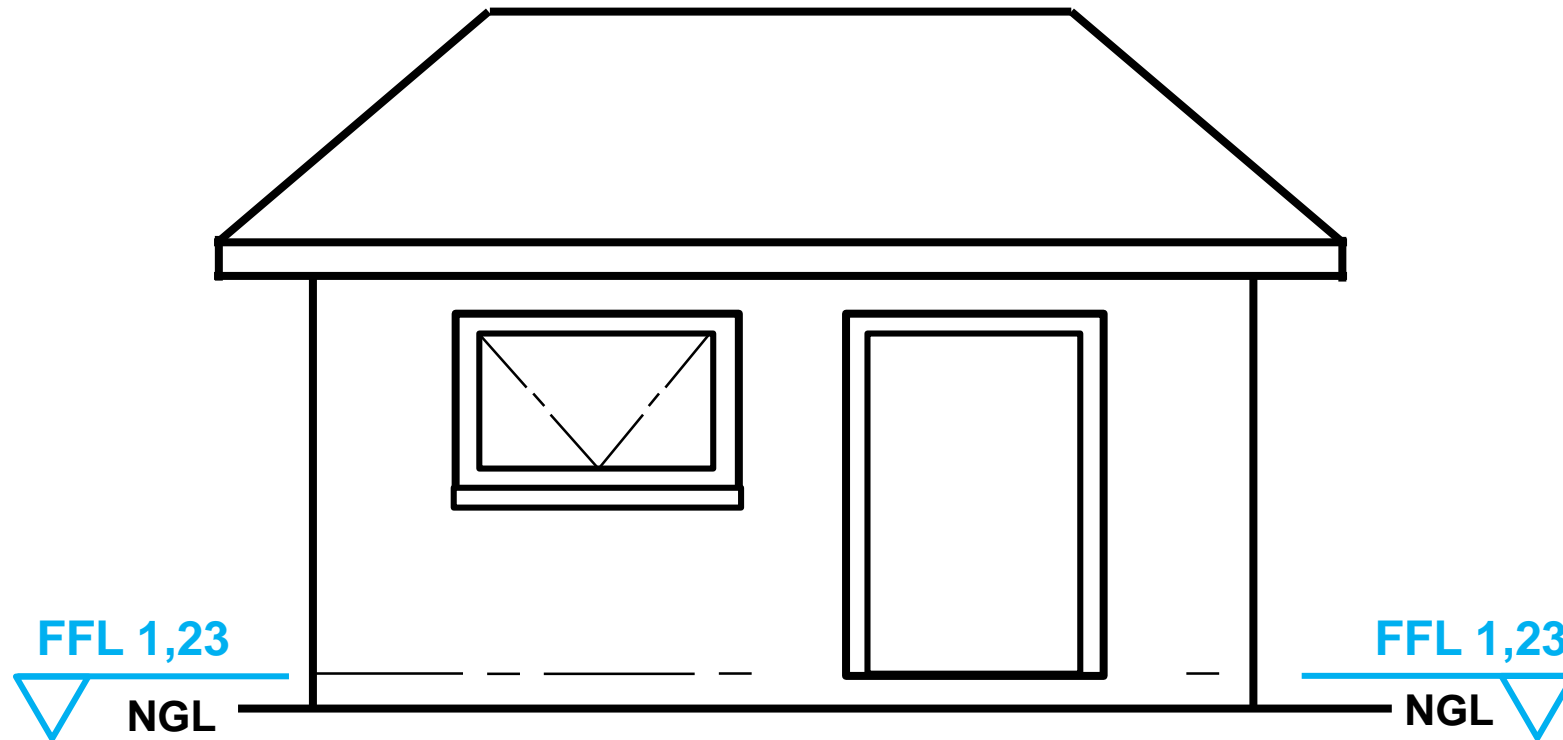
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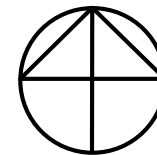


# RELEVANT CONVENTIONS

## FFL: Finished Floor Level)



SOUTH ELEVATION

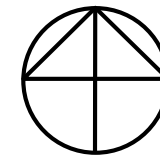
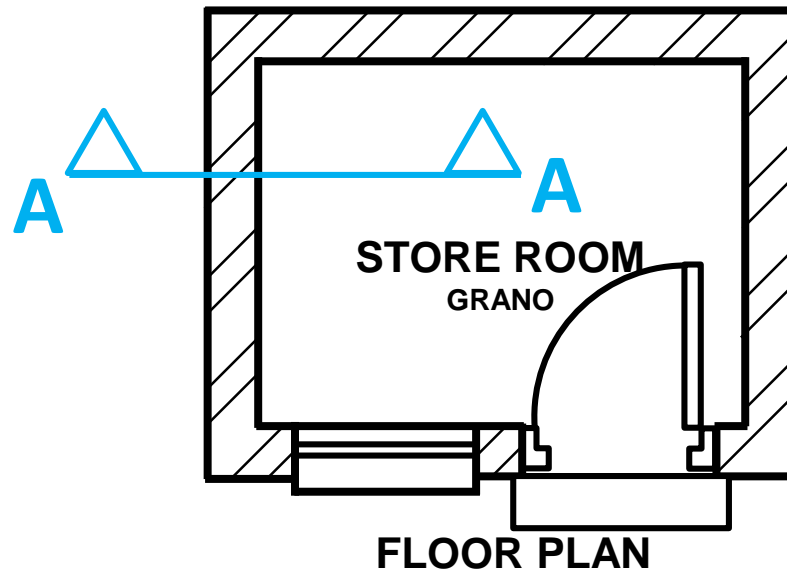
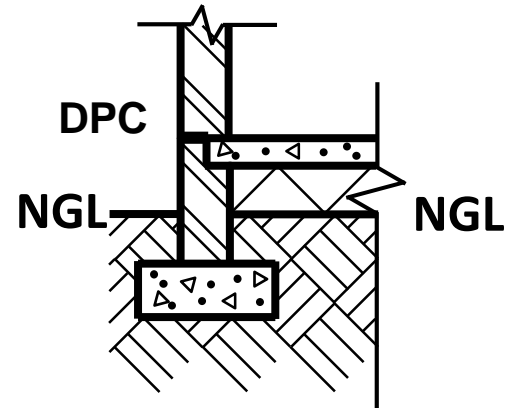


DATUM: JANUARIE 2010  
GETEKEN DEUR: PC VILJOEN  
NAGESIEN DEUR: JC DE WET  
&  
MEDEWERKERS  
HANDTEKENING: \_\_\_\_\_  
TEKENING NO: \_\_\_\_\_



# RELEVANT CONVENTIONS

## (Cutting plane)



AANBOUING AAN WONING VAN  
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