3.6.4. THE CONSTRUCTION INDUSTRY
CIVIL DRAWINGS

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PRESCRIBED CONTENT FOR GRADE 10

- Annotations, labels, 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.

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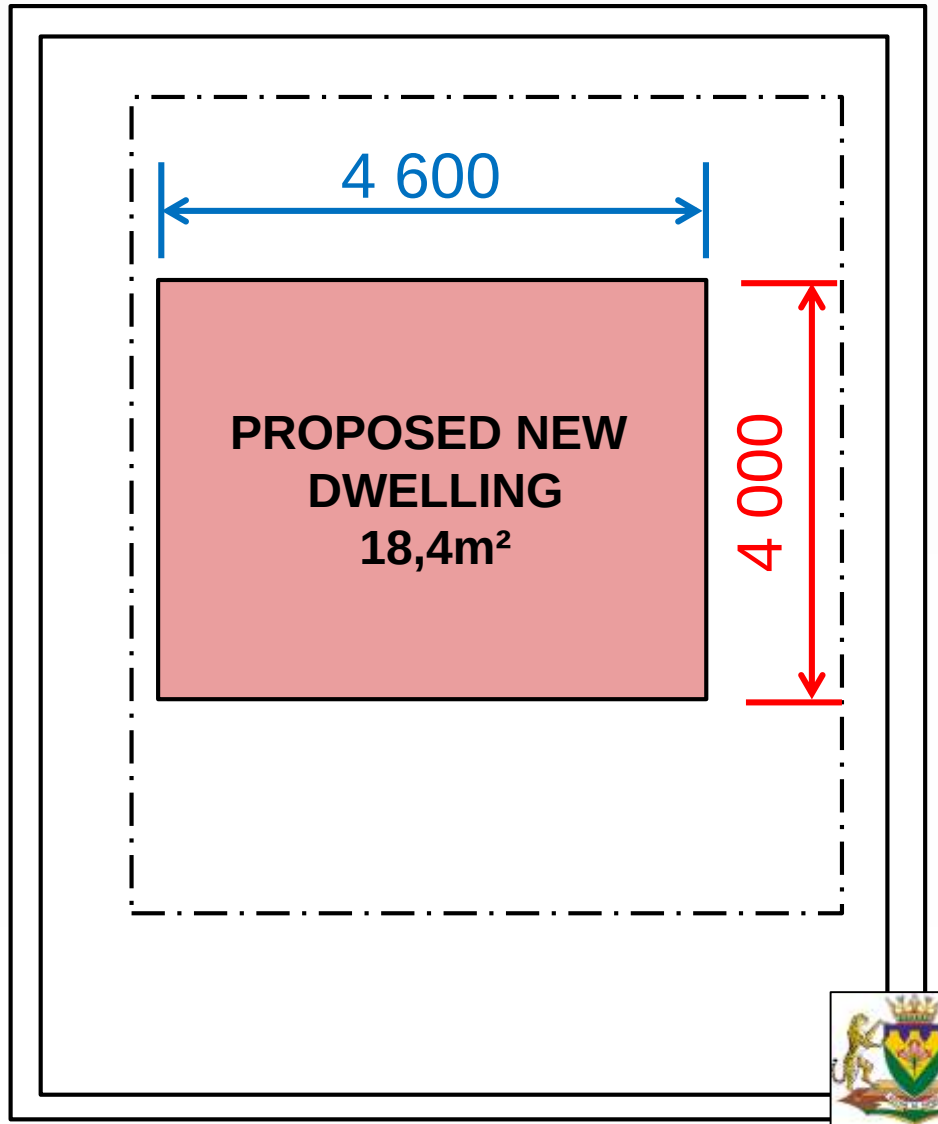
CALCULATION OF THE FLOOR AREA

- Floor area:

= (*L* x *B*)



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CALCULATION OF THE FLOOR AREA

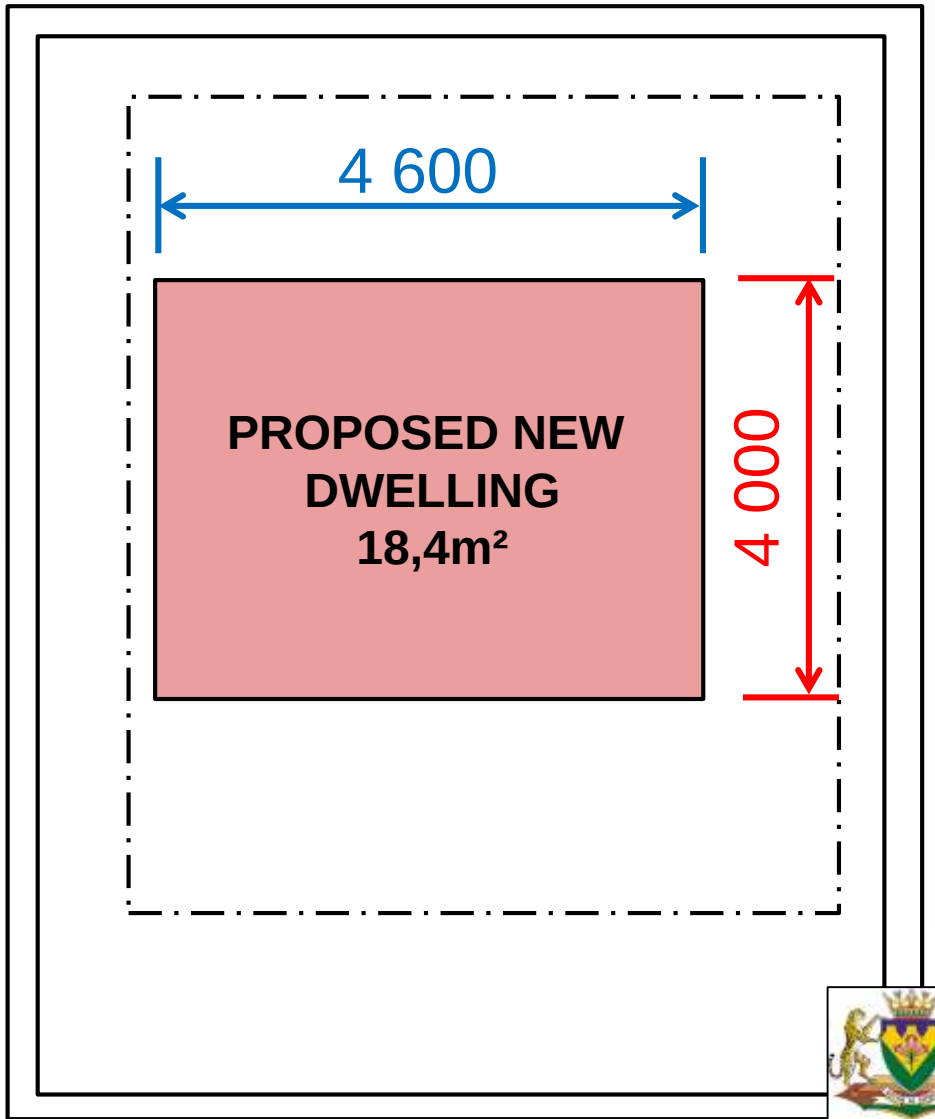
- Floor area:

= (*L* x ***B***)

= (4 600 mm) x (4 000 mm)

= (4,6 m) x (4 m)

= 18.4m²



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CALCULATION OF THE FLOOR AREA

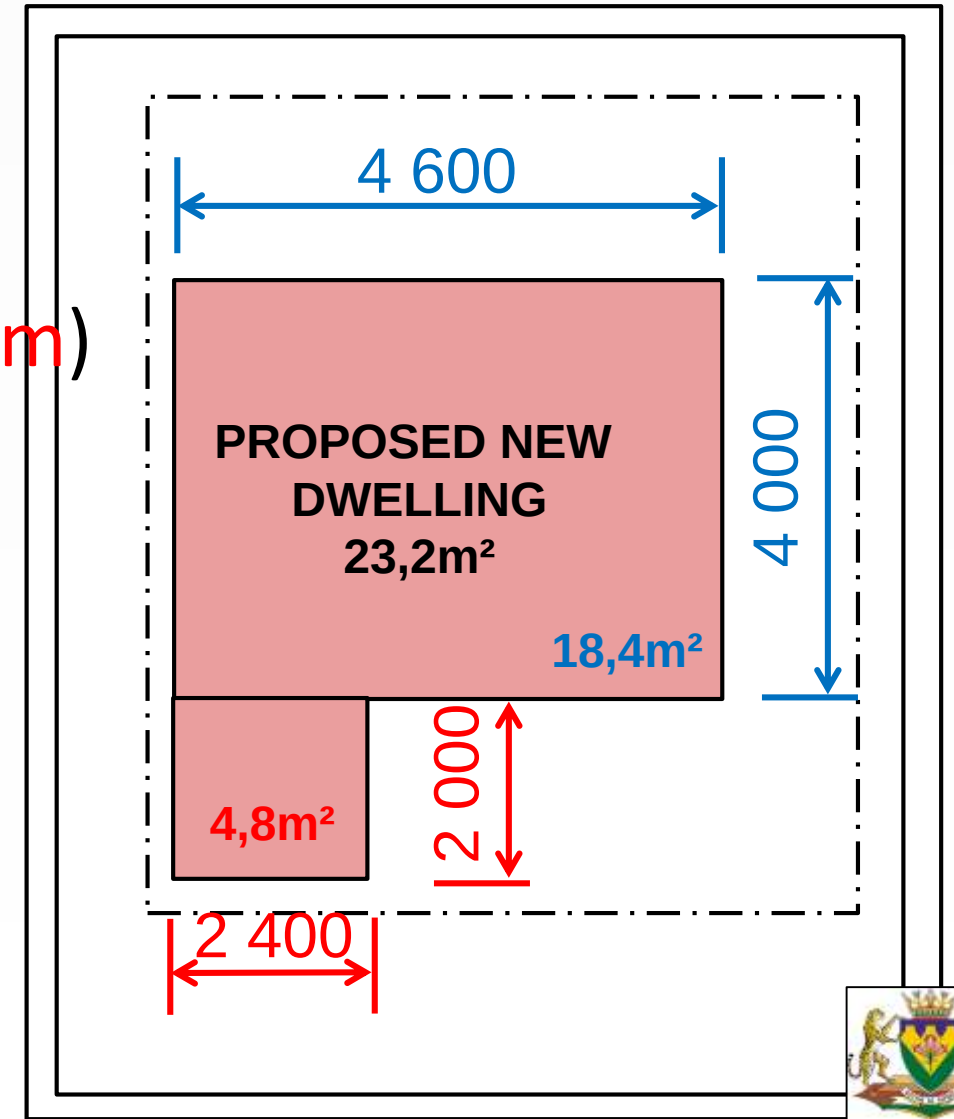
- Floor area:

= (*L* x *B*) + (*L* x *B*)

= (4,6 m x 4 m) + (2 m x 2,4m)

= (18,4m²) +(4,8m²)

= 23,2m²



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CALCULATION OF THE PERIMETER

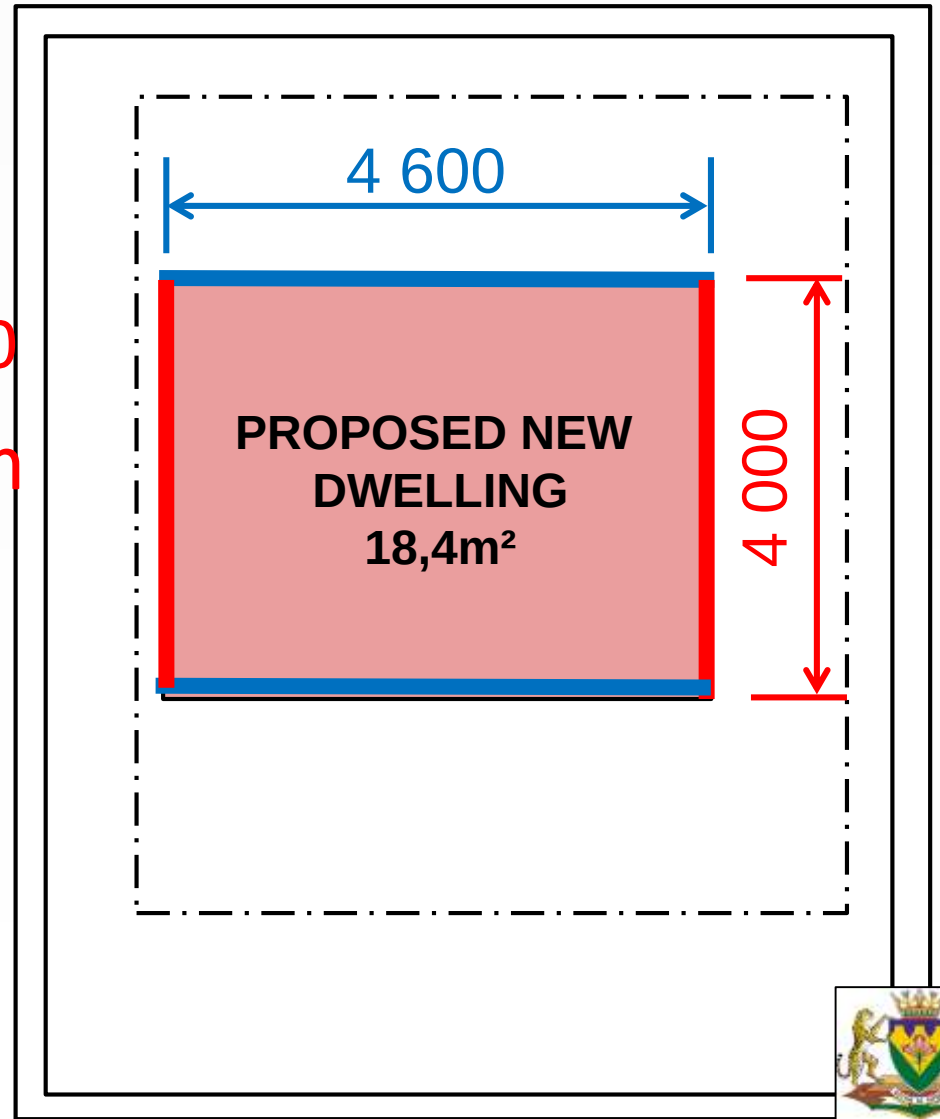
- Perimeter:

= *L* + ***B*** + *L* + ***B***

= 4 600 + 4 000 + 4 600 + 4 000

= 4,6 m + 4 m + 4,6 m + 4 m

= 17,2 m



CALCULATION OF THE PERIMETER

- Perimeter:

= *L* + ***B*** + *L* + ***B***

= **4,6 + 4 + 2,2 + 2 + 2,4 + 6**

= 21,2m