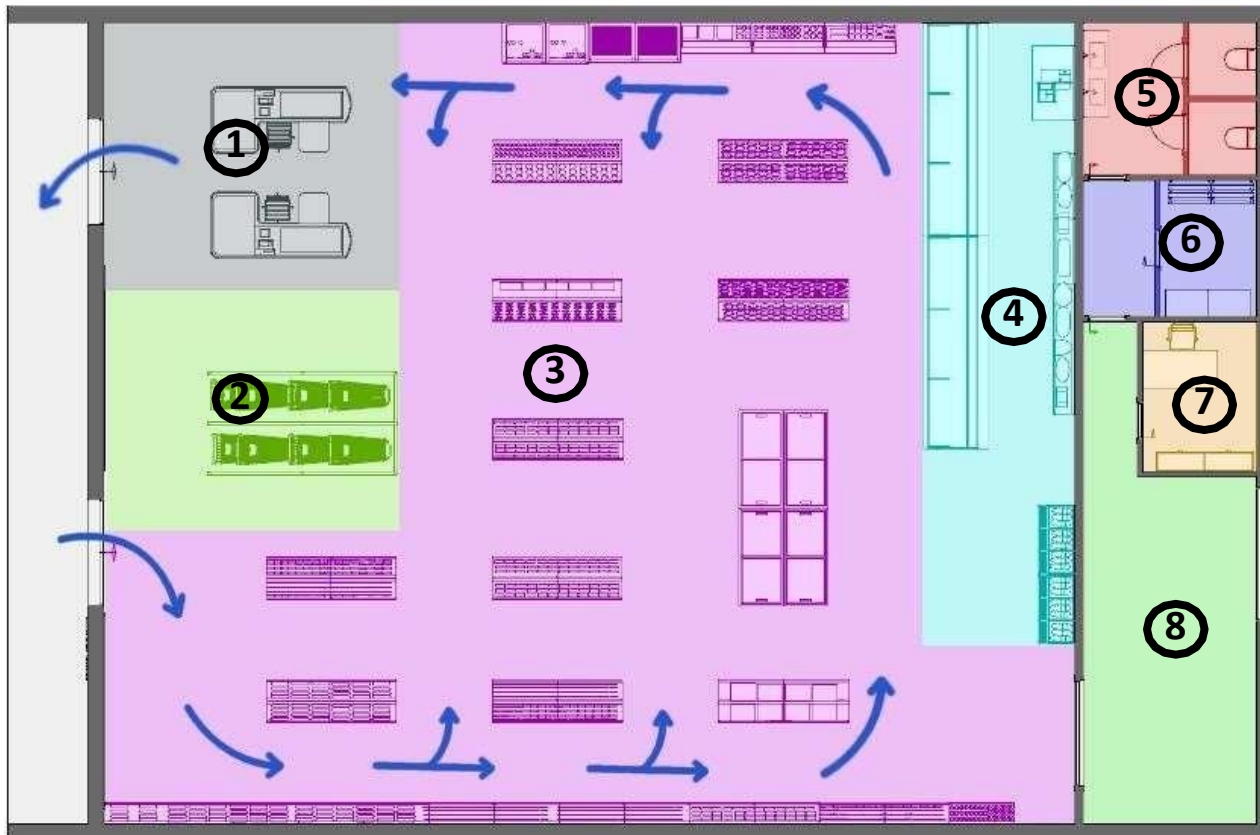




How to design a supermarket

How to design a supermarket

FUNCTIONAL AREAS



LEGEND

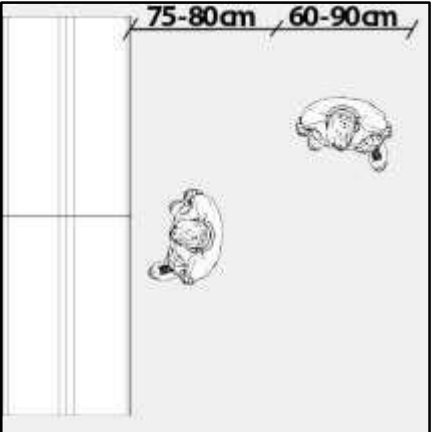
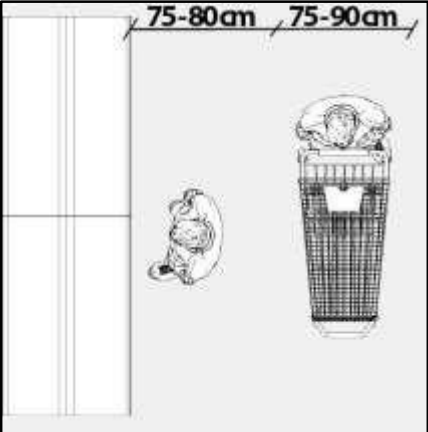
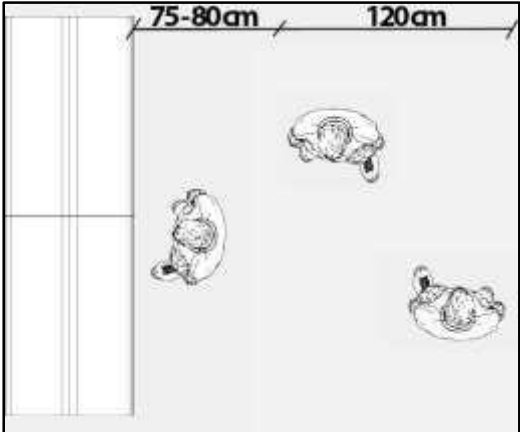
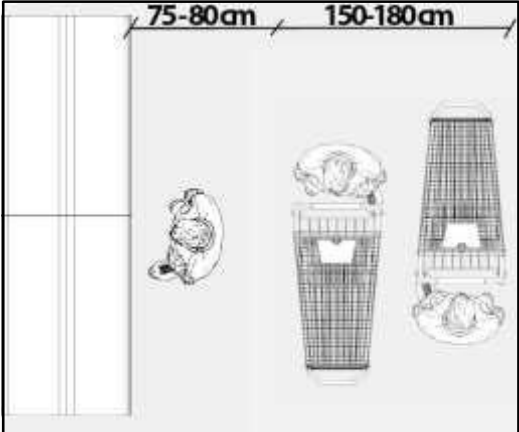
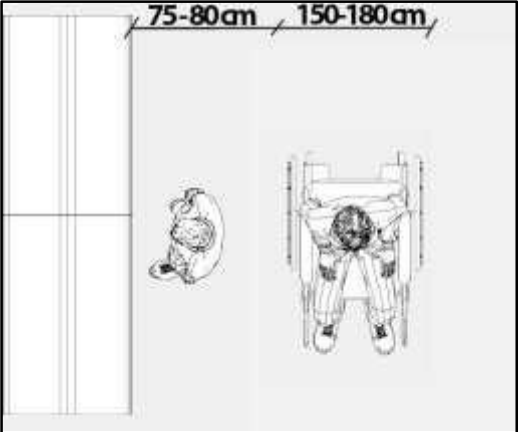
- 1) Cash Desks
- 2) Trolley pick up and return area
- 3) Shelves area
- 4) Customer Service
- 5) Toilets
- 6) Changing room
- 7) Office
- 8) Warehouse

 Customers route

How to design a supermarket

AISLE SIZING

Dimensions and anthropometric references are shown below

				
The case in which a shopper is taking a look at shelves and another shopper passes through the aisle without a trolley	The case in which a shopper is standing while taking a look at shelves and a shopper passes through the aisle with a trolley	The case in which a shopper is taking a look at shelves and 2 other shoppers pass through the aisle without a trolley	The case in which a shopper is taking a look at shelves and 2 other shoppers pass through the aisle with trolleys	The case in which a shopper is taking a look at shelves and a disabled person passes through the aisle

How to design a supermarket

RENDERINGS



Rendering produced with [Edificius](#)



Rendering produced with [Edificius](#)



Rendering produced with [Edificius](#)



Rendering produced with [Edificius](#)



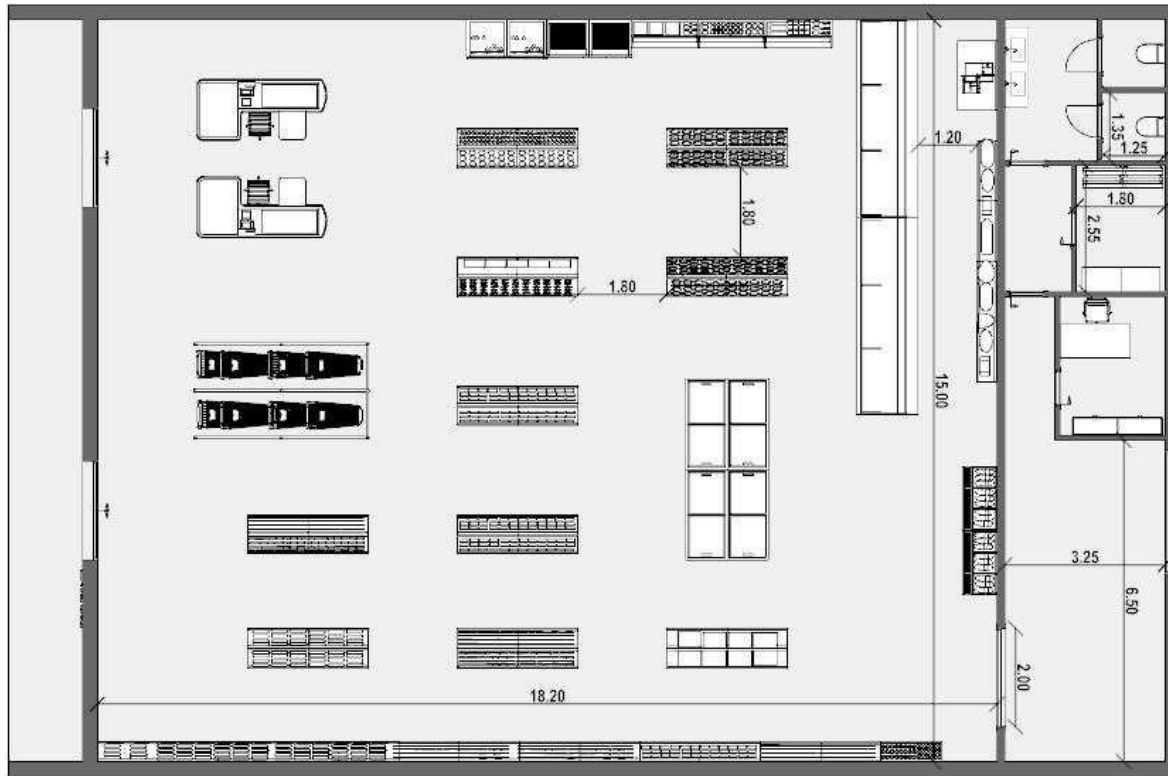
Rendering produced with [Edificius](#)



Rendering produced with [Edificius](#)

How to design a supermarket

DESIGN TIPS



- height for newly built premises $\geq 3,00$ m
- height for pre-existing premises $\geq 2,70$ m
- minimum height of emergency exits - **2,00 m**
- emergency doors width $\geq 0,80$ m (**depending on the relationship between premise dimension and level of crowding**)
- retail mezzanine floor area $\leq 2/3$ of the room surface
- minimum height above and below the mezzanine $\geq 2,40$ m (average height ≤ 2.20 m for sloped roofs)

** These dimensions are approximate and you should always first check your local building regulations*

How to design a supermarket

Example of a supermarket project

Created using Edificius, the architectural BIM design software

(download the full trial version here: <https://www.accasoftware.com/en/>)

[Download Edificius](#)