

## 01 Choice of Storage Systems

Choice of storage systems would be incomplete if its integration with any kind of handling systems is not taken into account.

- Indicative questions to be considered:
- Apart from lift trucks are other systems for the handling and transit of materials used?
  - Which is the required aisle width? It is directly related to the space utilization.

## 02 Receipts & Dispatch Areas

Design of supporting areas such as: receipts and dispatch, returns, destroyed, cross-docking, office facilities, is also crucial

- Depth of receipts and dispatch area:
- Minimum: 15metres,
  - Optimum: 20 metres,
  - Maximum: 25 metres
  - 20-25% of storage area. Which is the speed with which goods are forwarded to storage area?
  - Which is the cross-docking volume?

## 03 Aisles Orientation

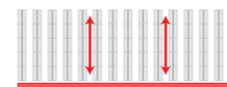
Fishbone Concept

- Racks Parallel to length
- Central Aisle Vertical to Length



Hair Comb Concept

- Racks Vertical to length
- Central Aisle Parallel to Length



## 04 Materials Flow, Goods In, Goods Out

Material Flow : I    Material Flow : L    Material Flow : U



## 05 Loading & Unloading

A typical 17 m truck needs maneuver area of 35 m. Use of 45 degrees saw tooth type docks decreases this space to 26 m