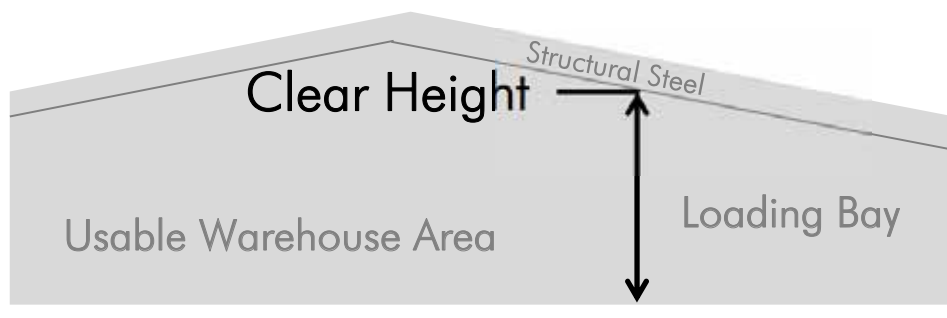




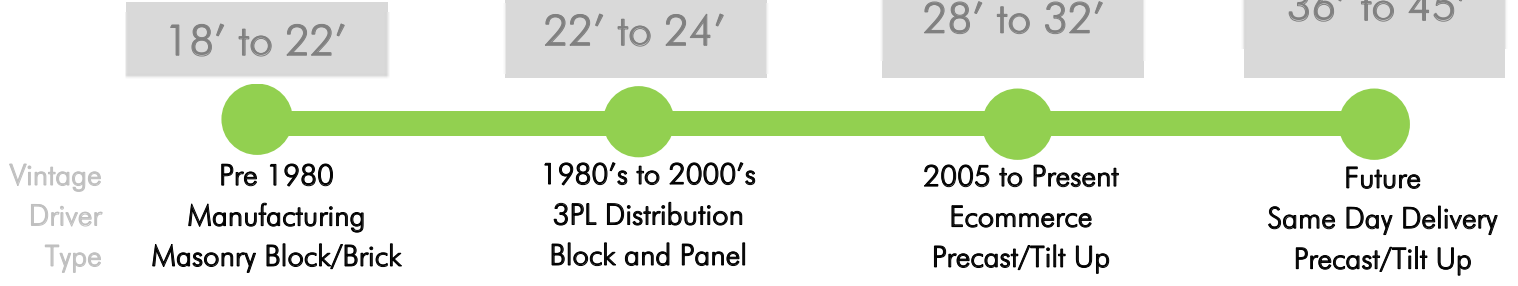
Industrial Clear Height



Definition The vertical height within a warehouse providing an unobstructed clearance from the floor to structural steel members. It is typical to measure from the first column bay in from the loading dock side(s) of a building



History

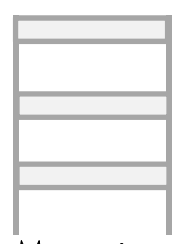


Considerations

- Fire Suppression
- Slab Reinforcements
- Material Handling Equipment
- Skilled Labor for High Picking
- Height Restrictions

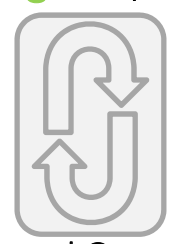
Material Handling

Systems that drive clear height



Mezzanines

Typically used for retail fulfillment, pharmaceutical distribution, and online retailers. 36' clear allows for a 3 story mezzanine.



Vertical Carousels

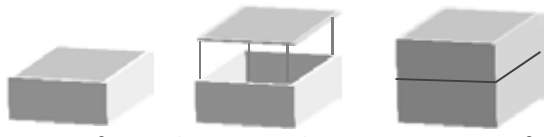
A goods-to-person solution that replaces static shelving and utilizes the vertical height in warehouses. Ideal for slow moving inventory.



ASRS

Automated Storage & Retrieval Systems (ASRS) can increase storage density and pick accuracy while decreasing the labor demand

Raise the Roof



A roof can be raised in most cases for less than 1/3 of the replacement cost of a modern warehouse building

Fire Suppression

Per NFPA 13 (2012), an ESFR fire suppression system can be used with K-22.4 and K25.2 sprinkler heads in buildings with a maximum deck height of **45'** and a maximum product storage height of up to **40'**

Is 36' the next 32'?

Assuming market standard pallet dimensions, increasing a warehouse from 32' to 36' can increase the storage capacity anywhere from

15% to 25%

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