



 **IARS**[™]
INSTANTLY ADJUSTABLE RACK SYSTEM

 **BANAIR**



STORAGE



THE ULTIMATE IN RACK FLEXIBILITY & EFFICIENCY



LIFETIME WARRANTY

Protecting your investment with our stamp of quality backed up with decades of experience



MHE COMPATIBLE

BANAIR systems work with all major forklift manufacturers and types, ensuring full compatibility



REPAIRABLE

Impact damage, dents & scrapes can all be repaired on 100% of BANAIR equipment, protecting your workforce & long-term investment.



FIRE CODE COMPLIANT FLOW-THRU

Designed pallets and FLUE SPACERS as STANDARD to meet strict fire codes (NFPA13 and UFC 3-600-01)



ADJUSTABLE

BANAIR Pallets can be vertically positioned in 6in increments, and adjusted in moments without inventory



DURABLE

Designed tough for demanding workplace environments. Built to last. Lifetime Warranty.



DESIGNED TO INDUSTRY STANDARDS

BANAIR Systems are designed to strict Rack Manufacturer's Institute (RMI) codes, protecting your workforce, inventory and investment.



SPACE SAVING

The original and best way to optimize your available warehouse cube: eliminate stored air. BANAIR.



RECONFIGURABLE

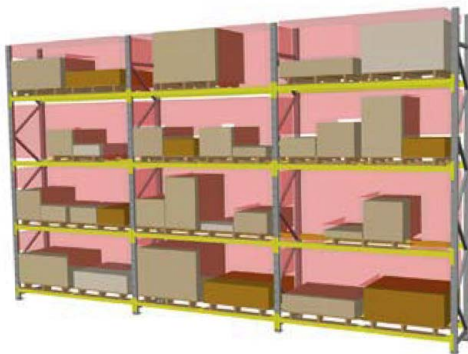
All BANAIR systems are designed to adapt to suit your changing mission.



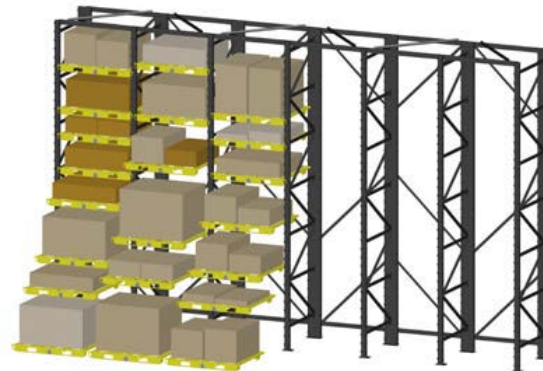
TRADITIONAL RACKING

Vs

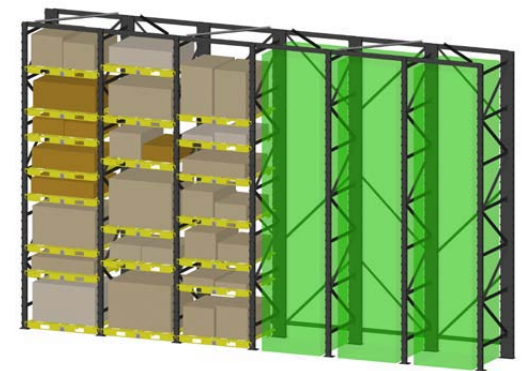
IARS™



TRADITIONAL RACK is constructed from upright frames & platforms creating shelves of fixed height. These platforms blot or slot into position can only be adjusted by first emptying all stock from the system.



INSTANTLY ADJUSTABLE RACK SYSTEM shelves, or pallets, can be completely removed by a forklift from their free-standing rack structure







This allows for variable pallet configurations enabling you to optimize limited storage space and eliminate **wasteful storage of air.**

SAME AMOUNT OF STOCK. 50% OF FOOTPRINT





IARS™ PALLET

- 
ADJUSTABLE
 Ban-Air pallets can be positioned on 6" increments just by using a standard forklift
- 
LIFETIME WARRANTY
 Protecting your investment with our stamp of quality
- 
DURABLE
 Heavy-gauge structural steel construction with optional hot-dip galvanization for the ultimate
- 
INSTANTLY ACCESSIBLE
 Retrieve any load instantly from with the IARS rack

BANAIR pallets are at once both:

- system shelves
- removable pallet
- storage modules

(when adding pallet 'add-on' accessories).

Capacity from **1000lbs to 5000lbs**, with a range of sizes available. Pallets are either Solid Top or Flow-Thru, and can be configured as fixed Top-Shelves to create continuous shelving area for longer items.

For lightweight applications, a Light Duty Shelf is available, along with drawer systems for the smaller items.



1 SYSTEM SHELVES

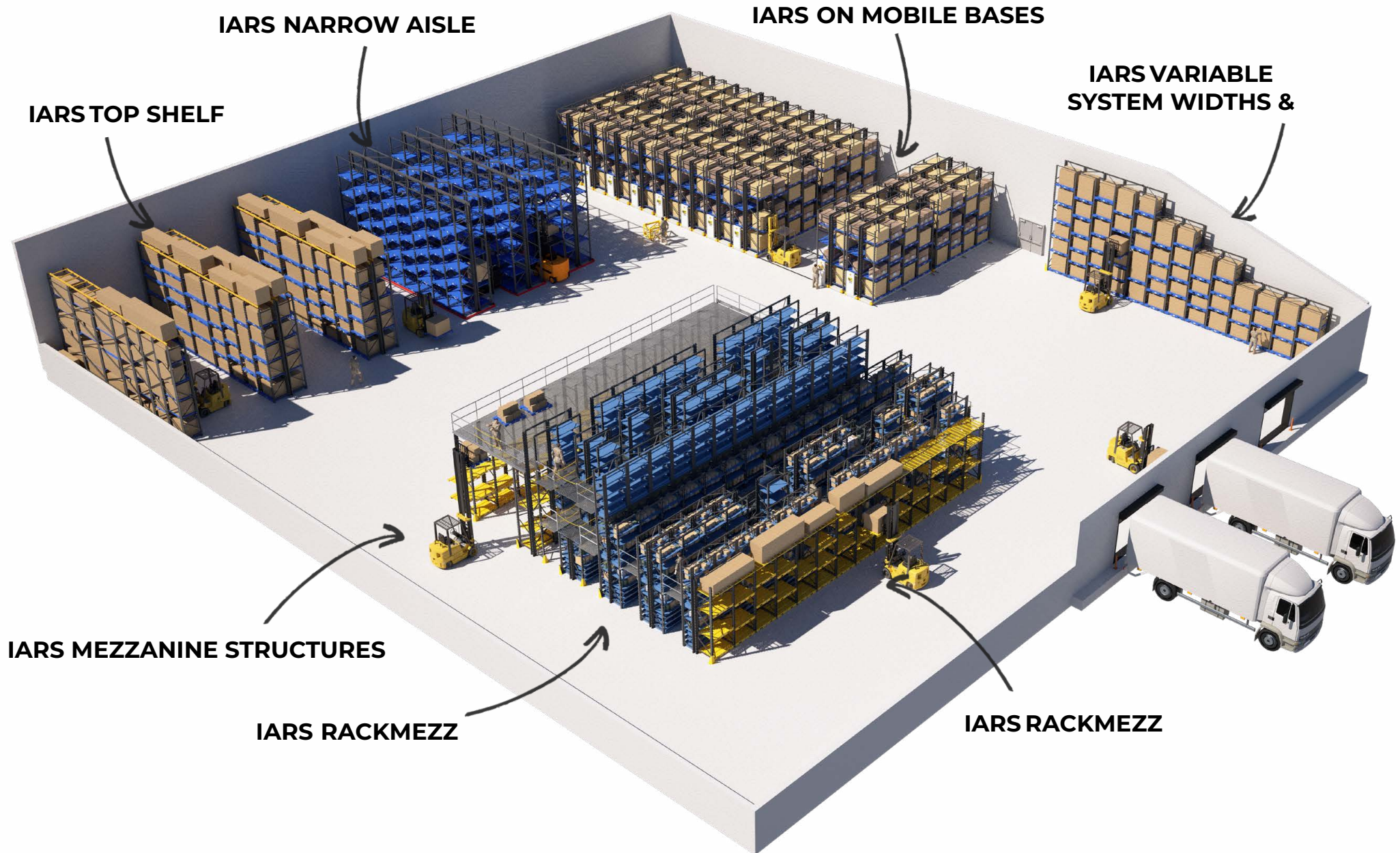


2 REMOVABLE PALLETS



3 STORAGE MODULES





IARS™ ACCESSORIES

WIDE RANGE OF RACK & PALLET ACCESSORIES:

RACK ACCESSORIES

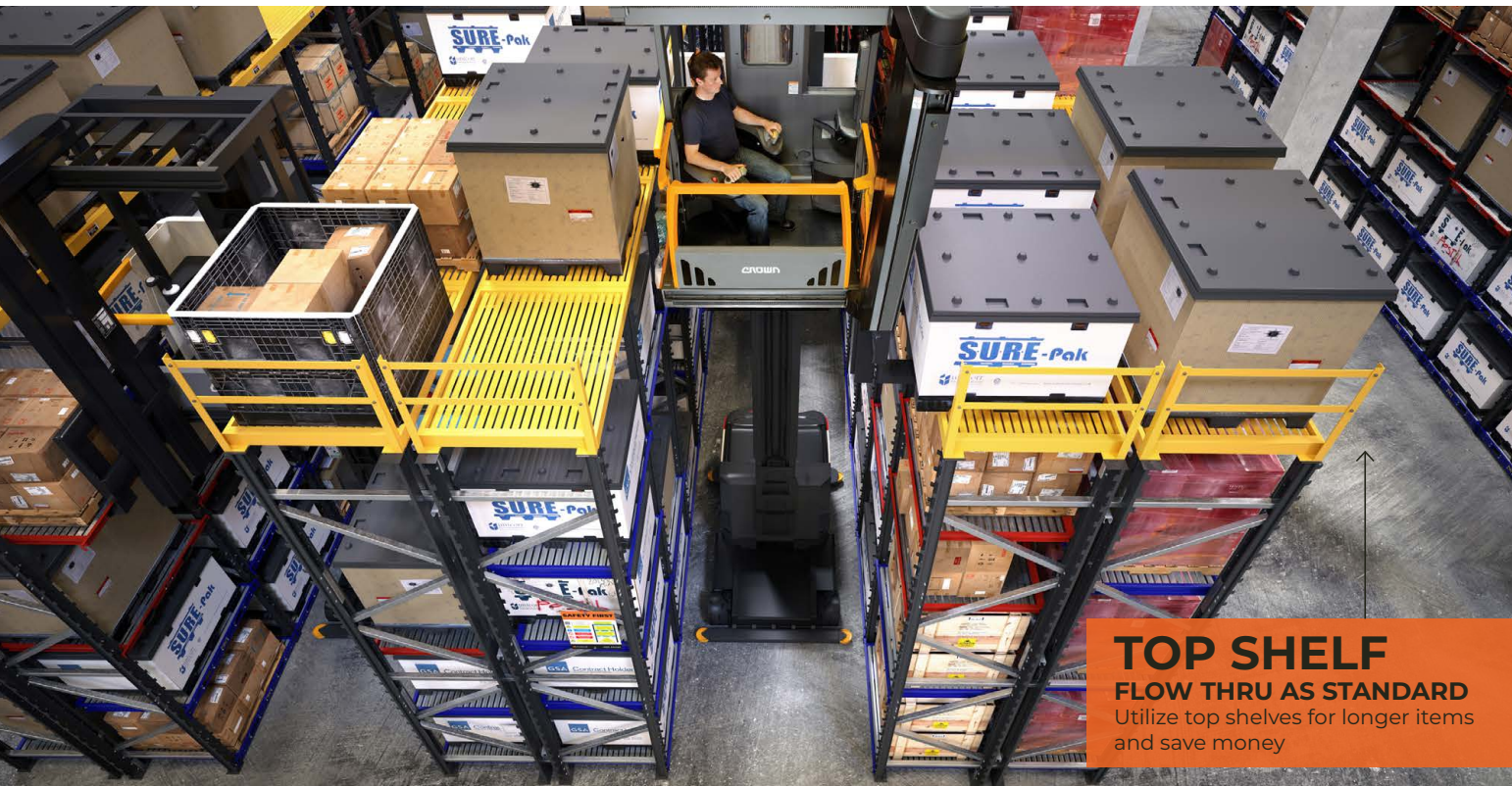
- Guide Rails
- Safety Barriers
- Cantilever Arms
- Work Benching
- Anti-Fall Mesh
- Vertical Locator Feature
- Row/Bay Labels
- Rack Quick Repair Kits
- Walk-Thru Feature
- Additional Shim Packs & Floor Anchors

PALLET ACCESSORIES

- Light Duty Shelves
- Load Retainers
- Partitioning Kits
- Tire Storage Modules
- HazMat Drip Trays
- Bin Module
- Security Cabinet
- Modular Basket
- Parachute Cage
- Lashing Kit
- Work-In-Progress Cart



MOBILE BASES



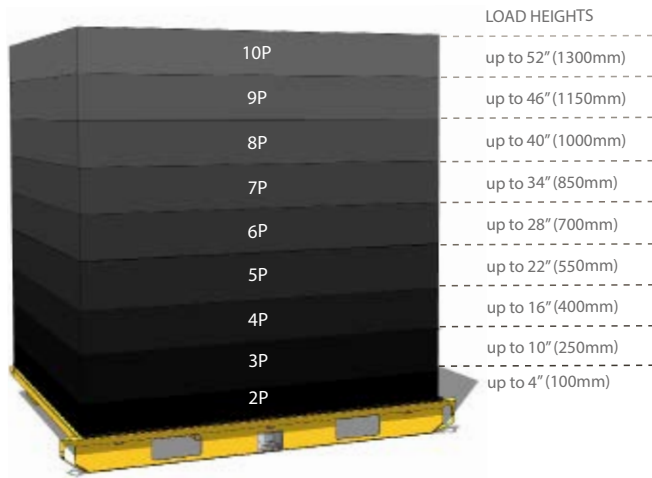
TOP SHELF
FLOW THRU AS STANDARD
Utilize top shelves for longer items
and save money



FOLLOW THE STEPS BELOW TO DETERMINE THE NUMBER OF PALLETS

1 Identify your required load heights and using the pallet load height diagram below, note how many load points are required.

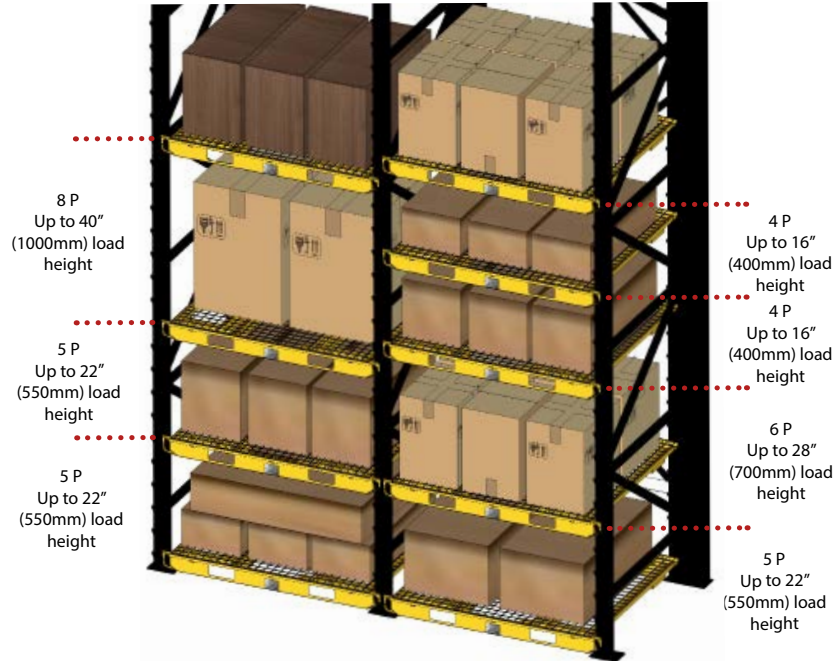
This points system accounts for the required space taken by the pallet and safe working clearances.



2 Identify how many load height points can be stored within the height of your rack using the provided table below.

Height of Rack	Point Available
8' / 2.4m	15 P
10' / 3.0m	19 P
12' / 3.7m	23 P
14' / 4.3m	27 P
16' / 4.9m	31 P
18' / 5.5m	35 P
20' / 6.1m	39 P
22' / 6.7m	43 P
24' / 7.3m	47 P
26' / 7.9m	51 P
28' / 8.5m	55 P
30' / 9.1m	59 P

3. Using your combination of load heights, calculate how many pallets can be stored within one bay of rack. Multiply the number of pallets required per bay, by the number of bays within your rack to obtain the total number of pallets required.



Example

A 16' high (4677mm) rack has a total of 31P available pallet load positions

A load height of 22" / 550mm will require 5P

A load height of 40" / 1000mm will require 8P

A combination of three 5P load heights and two 8P load heights =
 $31P (3 \times 5) + (2 \times 8) = 31$

Based on the configuration, five pallets will be required per bay

IARS™ SPECIFICATION

LIGHT-DUTY PALLET: 500lbs (225kgs)

FLOW-THRU PALLET: 1000lbs - (225kgs)

2000lbs - (225kgs)

2500lbs - (225kgs)

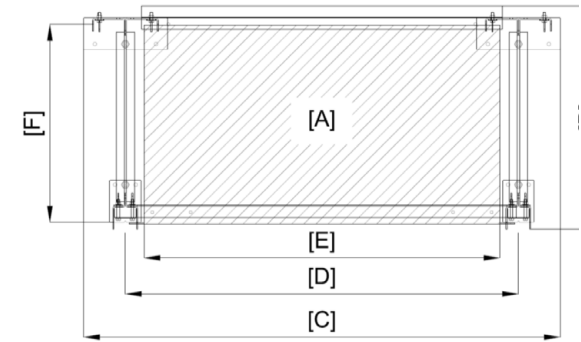
5000lbs - (225kgs)



USE THIS CHART TO DETERMINE YOUR SYSTEM SIZE - Other sizes are available upon request.

KEY

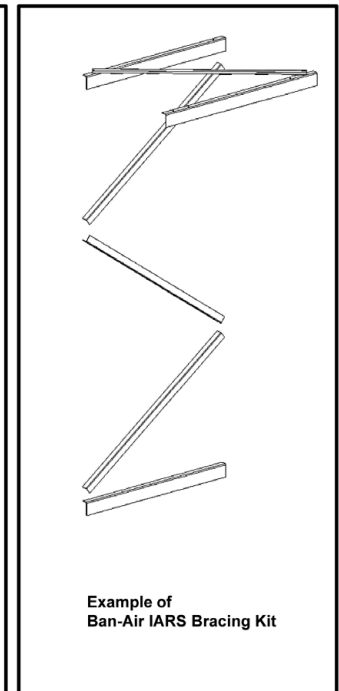
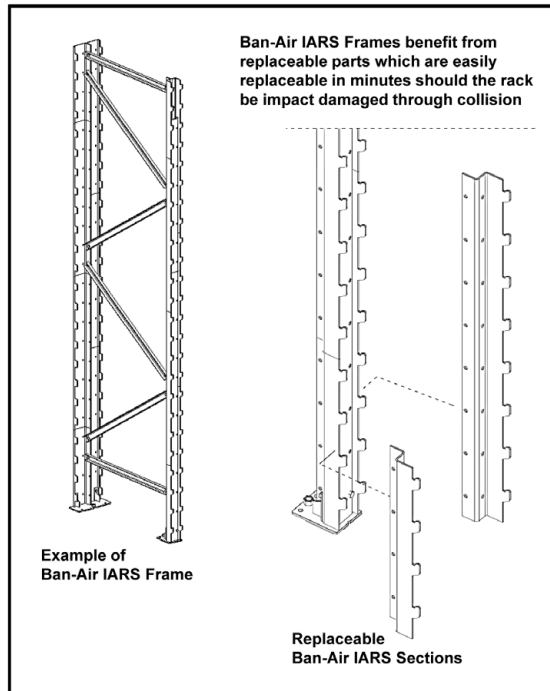
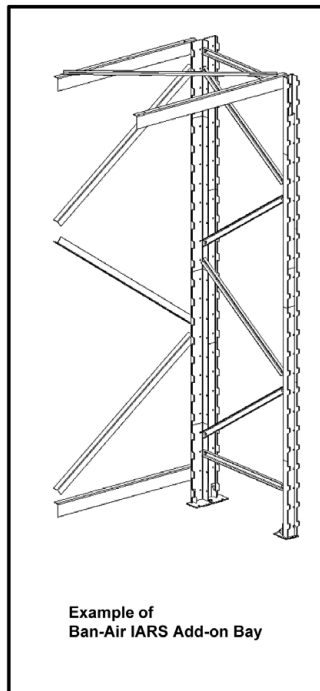
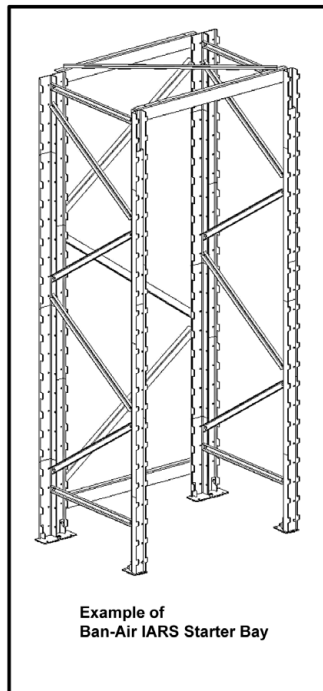
- A. PALLET WIDTH
- B. PALLET DEPTH
- C. FRAME DEPTH (FRONT TO BACK)
- D. CENTRE TO CENTRE (LEFT TO RIGHT)
- E. FRONT COLUMN CLEARANCE (LEFT TO RIGHT)
- F. REAR COLUMN CLEARANCE (LEFT TO RIGHT)



Columns					
Bay Footprint	Racking Depth	Racking Width	Racking Width (Center to Center)	Pallet Top Width	Pallet Top Depth
A	B	C	D	E	F
52"x30"	2'-8 1/2" (826mm)	5'-9 1/2" (1765mm)	4'-9 1/4" (1455mm)	4'-3 7/8" (1318mm)	4'-4 7/8" (732mm)
52"x42"	3'-8 1/2" (1130mm)	5'-9 1/2" (1765mm)	4'-9 1/4" (1455mm)	4'-3 7/8" (1318mm)	3'-4 3/4" (1036mm)
52"x48"	4'-8 1/2" (1279mm)	5'-9 1/2" (1765mm)	4'-9 1/4" (1455mm)	4'-3 7/8" (1318mm)	3'-10 5/8" (1185mm)
82"x42"	3'-8 1/2" (1130mm)	8'-3 5/8" (2529mm)	7'-3 3/8" (2220mm)	6'-10" (2082mm)	3'-4 3/4" (1036mm)
82"x48"	4'-2 3/8" (1279mm)	8'-3 5/8" (2529mm)	7'-3 3/8" (2220mm)	6'-10" (2082mm)	3'-10 5/8" (1185mm)

IARS™ RACK

Rack Height	Rack Height
8ft	8'-1 3/8" (2472mm)
10ft	10'-1 3/8" (3082mm)
12ft	12'-1 3/8" (3691mm)
14ft	14'-1 3/8" (4301mm)
16ft	16'-1 3/8" (4910mm)
18ft	18'-1 3/8" (5520mm)
20ft	20'-1 3/8" (6130mm)
22ft	22'-1 3/8" (6739mm)
24ft	24'-1 3/8" (7349mm)
26ft	26'-1 3/8" (7958mm)
28ft	28'-1 3/8" (8568mm)
30ft	30'-1 3/8" (9178mm)



*Racking dimensions before shimming





MANUFACTURER

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