



STRATEGIC STORAGE

**WRM
BEAR BASE
DABS
APA
// WAR
RESERVE STOCKPLES**



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ABOUT US //

UNCOMMON SOLUTIONS



BANAIR® is a global business group. We design and manufacture innovative military solutions.



PROCUREMENT VEHICLES.

SAMS.gov

DLA Tailored Logistics Programs:

Special Operations Equipment (SOE)

Maintenance Repair and Operations (MRO)

Fire & Emergency Services Equipment

CORE STRATEGIC STORAGE CAPABILITIES.

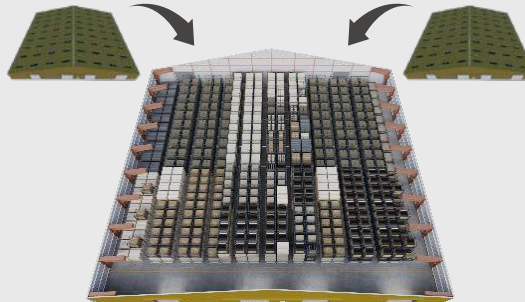
HIGH DENSITY CONTAINER & BULK EQUIPMENT

HIGH DENSITY ROLLINGSTOCK ASSETS

WAREHOUSE OPTIMIZATION

OUTDOOR BULK & CONTAINER STORAGE

SPACE UTILIZATION.



OUR CLIENTS



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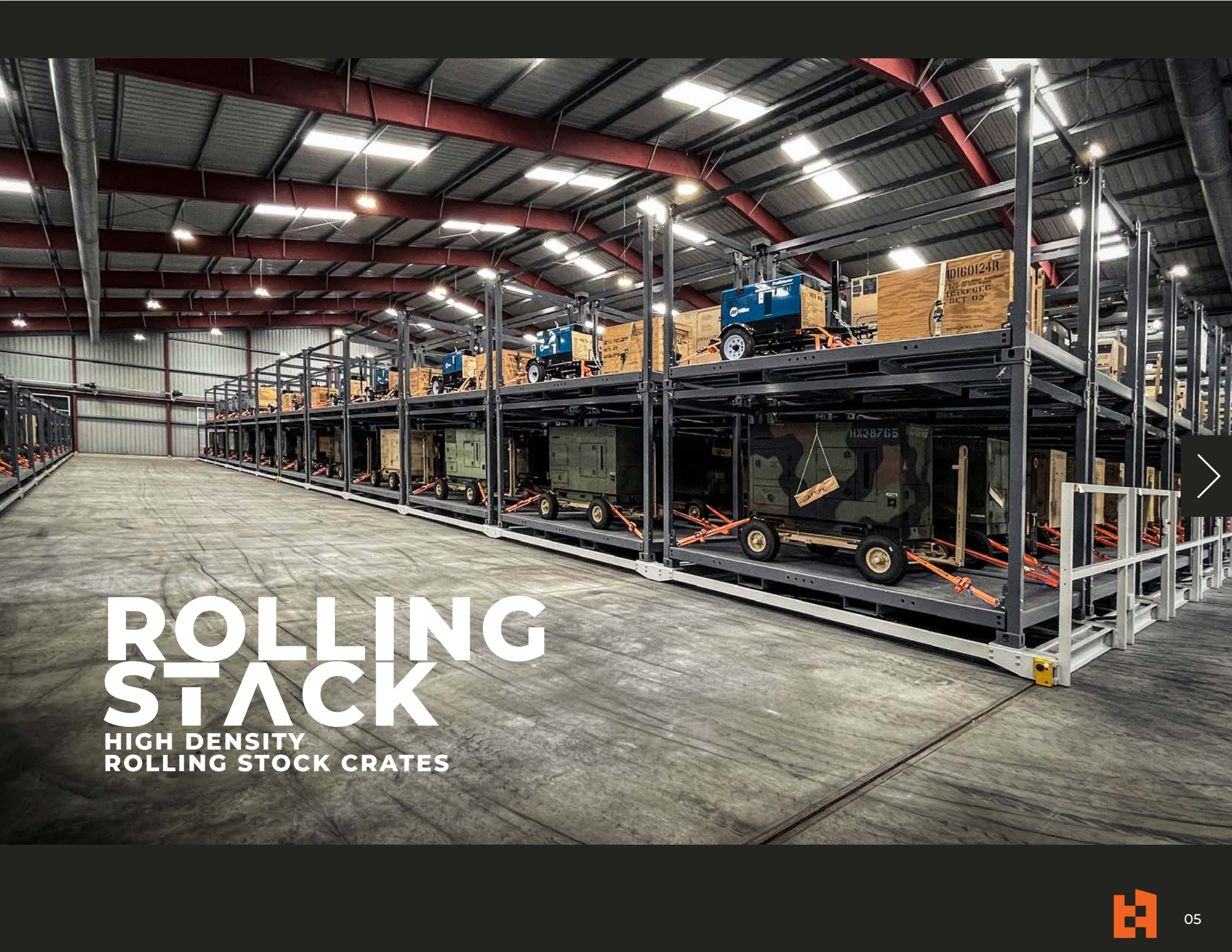
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ROLLING STACK

HIGH DENSITY
ROLLING STOCK CRATES



ROLLINGSTACK™

- VARIOUS INTERNAL CRATE SIZES FOR A RANGE OF ROLLING STOCK
- MULTIPLE TIE DOWN POINTS FOR TO SUIT VARIOUS SIZED ROLLING STOCK
- 5K,8K,10K CAPACITY CRATES
- DETACHABLE RAMP PANELS
- ISO CORNER CASTORS
- PAINTED FINISH
- OPTIONAL DETACHABLE WINCH (SECURED BY SAFETY HOOKS)
- CUSTOM STEEL LUGS ENGAGE WITH THE FOUR BOTTOM ISO CORNER CASTINGS
- REMOVABLE BRACING ALLOWING FOR TALLER ITEMS
- SUITABLE FOR USE WITH STANDARD ALL-TERRAIN FORKLIFTS



ROLLING STACK™

ROLLINGSTACK//

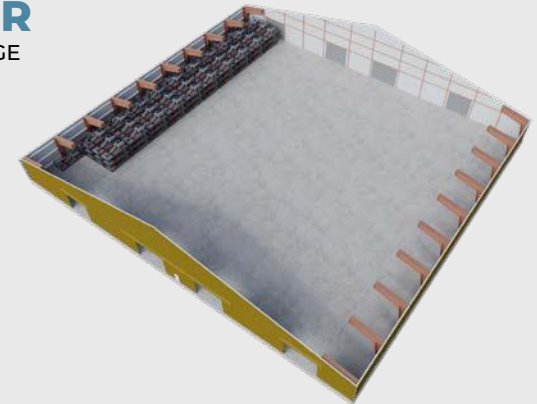
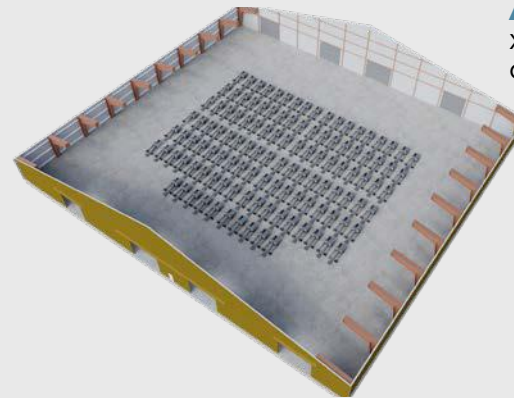


BEFORE

WASTED
VERTICAL SPACE

AFTER

X3 STORAGE
CAPACITY



RANGE OF SIZES TO MEET NEEDS OF
MOST WRM / DABS ROLLING STOCK
ASSETS

CUSTOM SIZES AVAILABLE



ROLLINGSTACK™



STRATEGIC BENEFITS FOR EVERY SIZE

ASSET

CHECK EXTERNAL SIZE AND WEIGHT



PICK SIZE

PART NUMBERS ARE BY SIZE. E.G
RS170.88.84-8K = 170" (L) 88" (W) 84" (H)

STACK UP TO 3 HIGH



MOBILE OPTION

Integrate with mobile bases to further maximise warehouse space



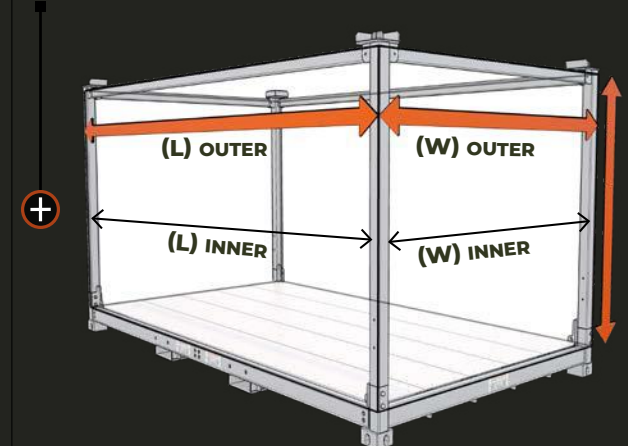
QUICK RELEASE

Allows larger assets to utilize the full cubinc space of the cubers



TIE DOWN POINTS

With portable ramps available for loading / unloading



STACKED OR MOBILE BASES

BANAIR® is a global business group. We design and manufacture innovative military solutions.



BANAIR® full turn-key/ground preparation for a large mobile based ROLLINGSTACK project in Sanem, Luxembourg. (See case study)



STACKED

TYPICAL INSTALL FOR MOBILE BASES

Custom steel lugs engage with the four bottom ISO corner castings. This allows stacking without the need of fixings / additional hardware








MOBILE

TYPICAL INSTALL FOR MOBILE BASES

- D** CONCRETE LAYER 2
100mm Depth
- C** CONCRETE LAYER 1
300mm Depth
- B** COMPACTED CRUSHED STONE
200mm Depth
- A** 600mm Depth overall removed

PART	SUITABLE FOR (e.g)	DIMENSIONS	CAPACITY	VISUAL
RS208.88.52-8K	<p>BOMBLIFT FAMILY e.g: MJ-1 BOMB LIFT TRUCK MHU83 BOMB LIFT* MHU83D/E BOMB LIFT*</p> <p>TANK,FABRIC,COLLAPS 10K LINER, BERM TANK 3K, 10K, 210K PUMPING ASSEMBLY,FL (PMU-27)</p>	Usable: 208"L x 88"W x 52"H	8,000LBS	
RS170.88.84-8K	<p>DABS assets e.g: LIGHT KITS / CARTS / TOWERS WHEELED GENERATORS (AMMPS-1070/1060) PORTABLE WATER TANKS HYDRAULIC PUMP UNITS</p> <p>LIGHTWEIGHT TACTICAL VEHICLES e.g: POLARIS MV850 POLARIS MRZR POLARIS RANGER CREW</p>	Usable: 170"L x 88"W x 84"H	8,000LBS	
RS170.110.100-10K	<p>LOX/500 GAL TANK ABFDS TASS 400/525 GALLON WATER TANK</p>	Usable: 170"L x 110"W x 100"H	10,000LBS	
RS170.100.110-8K	<p>LOX/500 GAL TANK ABFDS TASS 400/525 GALLON WATER TANK</p>	Usable: 208"L x 88"W x 52"H	8,000LBS	

PART	SUITABLE FOR (e.g)	DIMENSIONS	CAPACITY	VISUAL
<p>RS196.110.100-8K</p>	<p>PUMPING ASSEMBLY,FL (R18) FILTER-SEPARATOR,LI (R19) SERVICING PLATFORM (R20)</p>	<p>Usable: 196”L x 110”W x 100”H</p>	<p>8,000LBS</p>	
<p>RS240.116.118-10K</p>	<p>1500 GALLON WATER TANKER</p>	<p>Usable: 240”L x 116”W x 118”H</p>	<p>10,000LBS</p>	
<p>RS236.108.106-10K (special)</p>	<p>VEHICLES e.g F350</p>	<p>Usable: 236”L x 108”W x 106”H</p>	<p>10,000LBS</p>	

PART	SUITABLE FOR (e.g)	DIMENSIONS	CAPACITY	VISUAL
<p>RS240.96.104-5K</p>	<p>PUMPING ASSEMBLY,FL (R18) FILTER-SEPARATOR,LI (R19) SERVICING PLATFORM (R20)</p>	<p>Usable: 196”L x 110”W x 100”H</p>	<p>5,000LBS</p>	
<p>CUSTOM SIZES AVAILABLE CONTACT BANAIR® SALES@BAN-AIR.COM USASALES@BAN-AIR.COM</p>	<p>CRATES SIZED TO SAME FOOTPRINT AS BICON/ TRICON CONTAINERS. STACKABLE</p>			



CARGO RACK

STORAGE SOLUTIONS FOR
MILITARY CARGO AND BULK



CARGO RACK

EXTERIOR &
INTERIOR

HIGH-DENSITY RACK
BANAIR systems compatibility

INTEGRATED ROOF
Optional roof systems engineered
to take snow / wind loads for
challenging environments

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



STORAGE SOLUTIONS FOR MILITARY CARGO AND BULK



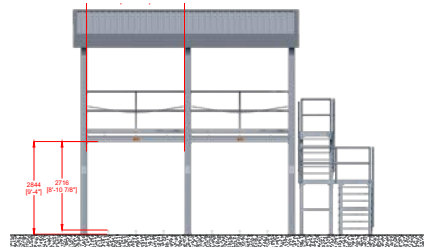


CARGO

LAYDOWN CARGO RACK is designed for the strategic & efficient storage of smaller height loads e.g for crates, tire stillages, razor wire rolls, pickets, sandbags (x4 US Govt. wooden pallets per 463L)

SUITABLE FOR - ISU70-ISU90 / 463L

- FIXED AND MOBILE
- INTEGRATED ROOF
- STAIR & LADDER KITS
- HEAVY DUTY GRATED DECK OPTION

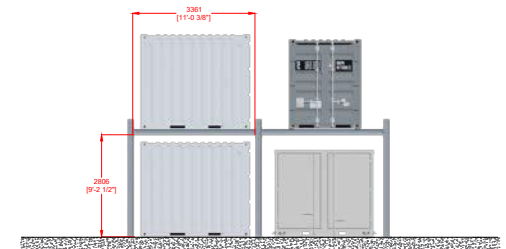


UNIVERSAL RACK

LAYDOWN CARGO RACK is designed for the strategic & efficient storage of smaller height loads e.g for crates, tire stillages, razor wire rolls, pickets, sandbags (x4 US Govt. wooden pallets per 463L)

SUITABLE FOR - ISU70-ISU90 TRICON / BICON

- FIXED AND MOBILE
- INTEGRATED ROOF
- STAIR & LADDER KITS
- BICON SIT ON CUSTOM LUGS
- ISU / TRICON ON BEAM SUPPORTS



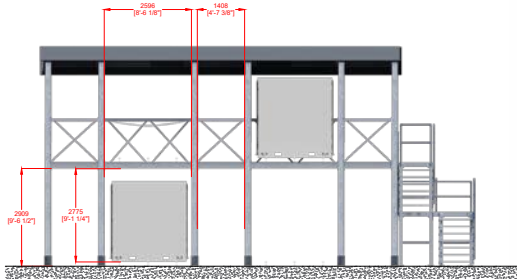


LAYDOWN CARGO RACK is designed for the strategic & efficient storage of smaller height loads e.g for crates, tire stillages, razor wire rolls, pickets, sandbags (x4 US Govt. wooden pallets per 463L)

BAN-AIR PUSH BACK RACK is custom designed for dense storage where space is constrained, specifically to store both 463L & ISU90 containers. Heavy duty castors on each platform level allow the push back of ISU90/463L

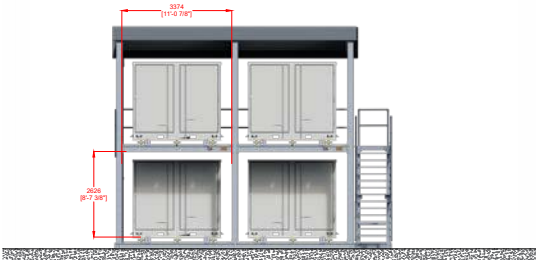
SUITABLE FOR - ISU70-ISU90 / 463L

- FIXED
- INTEGRATED ROOF
- STAIR & LADDER KITS
- ACCESS TO BOTH SIDES OF CONTAINER ASSET FROM CATWALK



SUITABLE FOR - ISU70-ISU90 / 463L

- FIXED
- INTEGRATED ROOF
- STAIR & LADDER KITS
- UP TO 4 DEEP PUSH BACK
- HIGH DENSITY



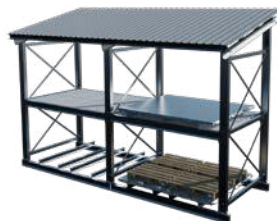
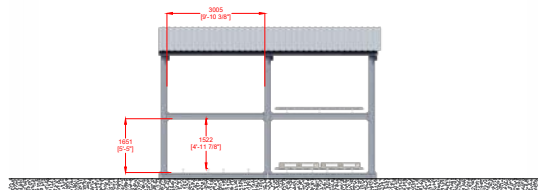


LAYDOWN

LAYDOWN CARGO RACK is designed for the strategic & efficient storage of smaller height loads e.g for crates, tire stillages, razor wire rolls, pickets, sandbags (x4 US Govt. wooden pallets per 463L)

**SUITABLE FOR -
CRATES / x4 US
GOVT. PALLETS /
463L**

- FIXED AND MOBILE ✓
- INTEGRATED ROOF ✓
- STAIR & LADDER KITS ✓
- HEAVY DUTY GRATED DECK OPTION ✓
- ASPHALT / CRUSHED STONE INSTALLATION ✓

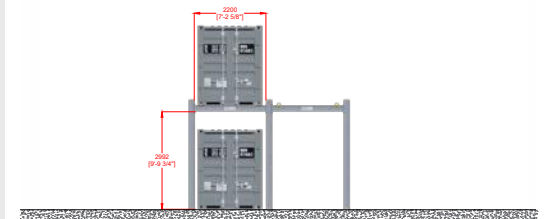


TRICON

LAYDOWN CARGO RACK is designed for the strategic & efficient storage of smaller height loads e.g for crates, tire stillages, razor wire rolls, pickets, sandbags (x4 US Govt. wooden pallets per 463L)

**SUITABLE FOR -
TRICON ONLY**

- FIXED AND MOBILE ✓
- INTEGRATED ROOF ✓
- STAIR & LADDER KITS ✓
- TRICON SPECIFIC WIDTH FOR HIGHER DENSITY STORAGE ✓



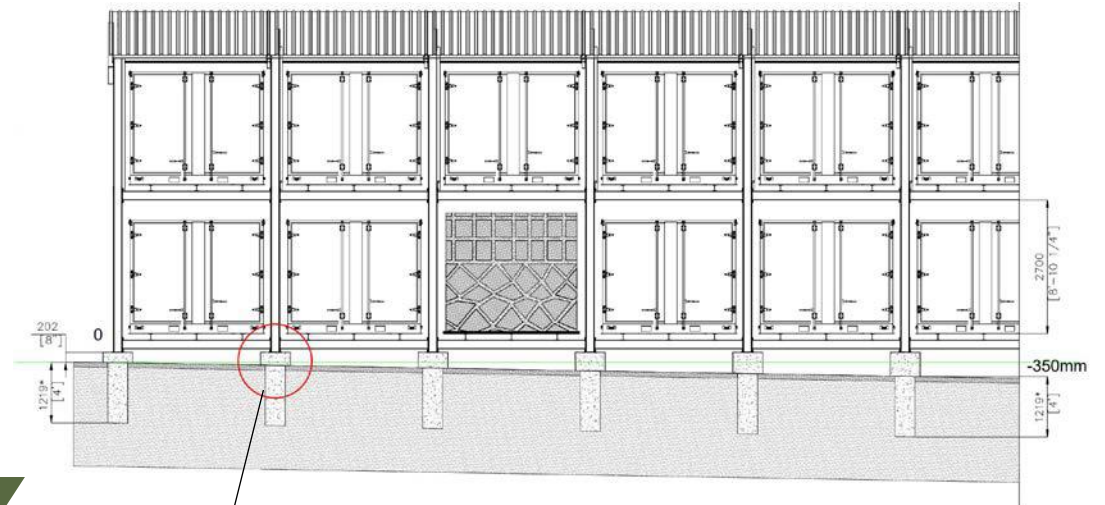
INSTALL OPTIONS //

CARGORACK//

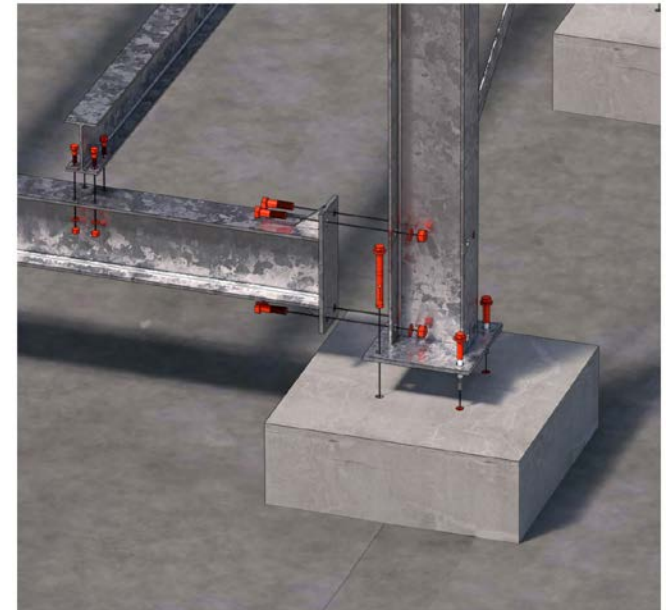
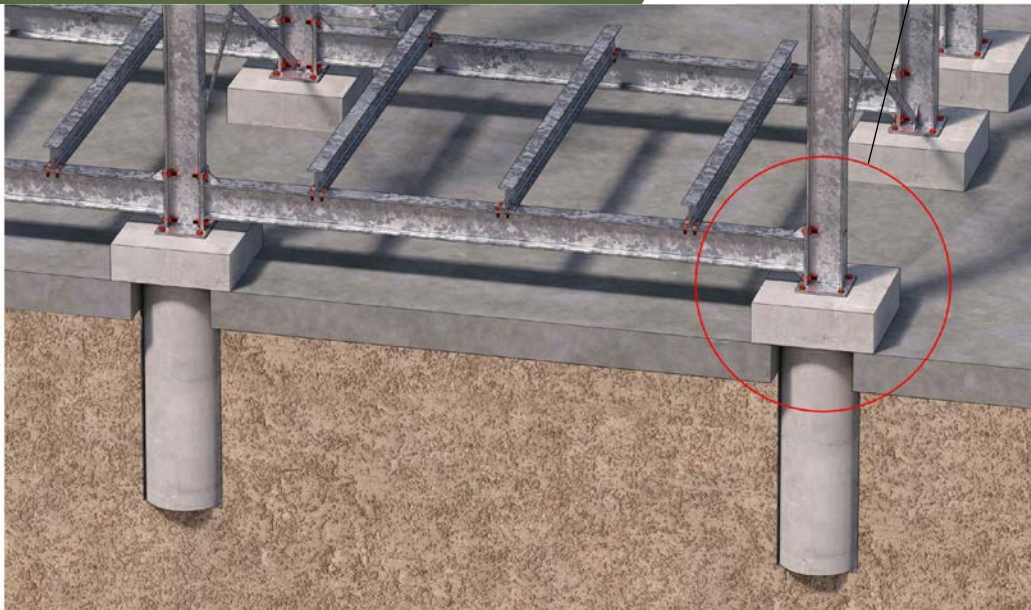
Mini-Pile supported CargoRack from BANAIR is a unique solution to install heavy duty bulk racking on existing yard without the need for a complete new slab

Mini-Piles are installed under each load bearing leg of the racking system and are cross-tied at the base using structural I-Beam section ensuring all loads are off the ground and protected from rain, sun and water run off.

Entire rack is now DEMOUNTABLE and bolted to the mini-piles
Every rack leg is at least 8in from the ground to protect against local flooding



FIRSTLY CHOOSE FROM BANAIRS RANGE OF CARGORACK OPTIONS TO DECIDE WHICH SUITS YOUR NEEDS BEST. CARGO / UNIVERSAL / TRICON / ALL ACCESS / PUSHBACK / LAYDOWN.



*Exact pile technical specification is subject to change post-award due to engineering analysis and approval



CARGO CUBER™

STORAGE SOLUTIONS FOR
MILITARY CARGO AND BULK



CARGO CUBER™

INTERNAL (DIM)
EXTERNAL (DIM)

120in (W) X 93in (D) X 100.5in (H)
129.125in (W) X 102in (D) X 126.75in (H)

STORES

463L (ALOC) / ISU Containers
or any load up to 120"x93"100.5"

CAPACITY

12,000LBS EACH LEVEL

CONFIGURATION

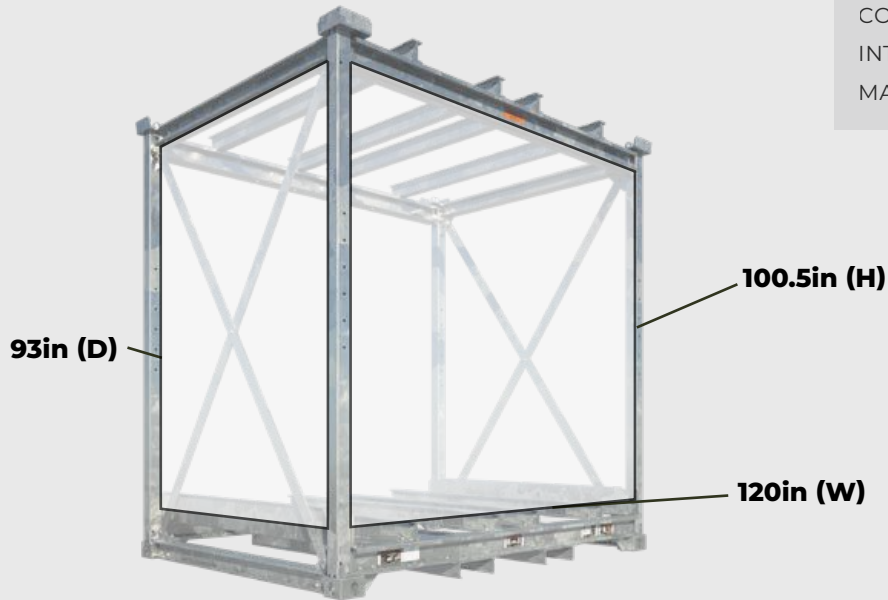
Stacked Up to 3 High

INTERNAL SHELF

Rated at

MATERIAL

Galvanized - All Weather



MOVEABLE STACKABLE 12000LBS UDL

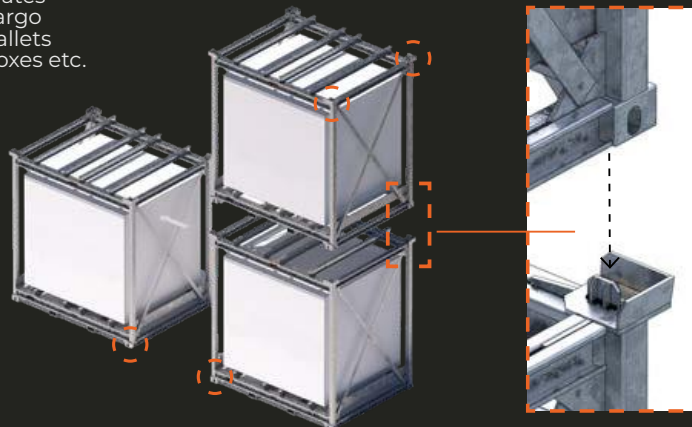
BANAIR CARGOCUBER™, Modular Storage Rack for 463L / ISU90 / Bulk Storage.
Modular crate that can be stacked, combined, and moved in tandem.

Each position 12,000lbs MAX UDL.

Custom steel lugs engage with bottom ISO corner castors

Internal Shelf can be fitted at three different heights (adjustable at 6 inches) to allow for

- crates
- cargo
- pallets
- boxes etc.

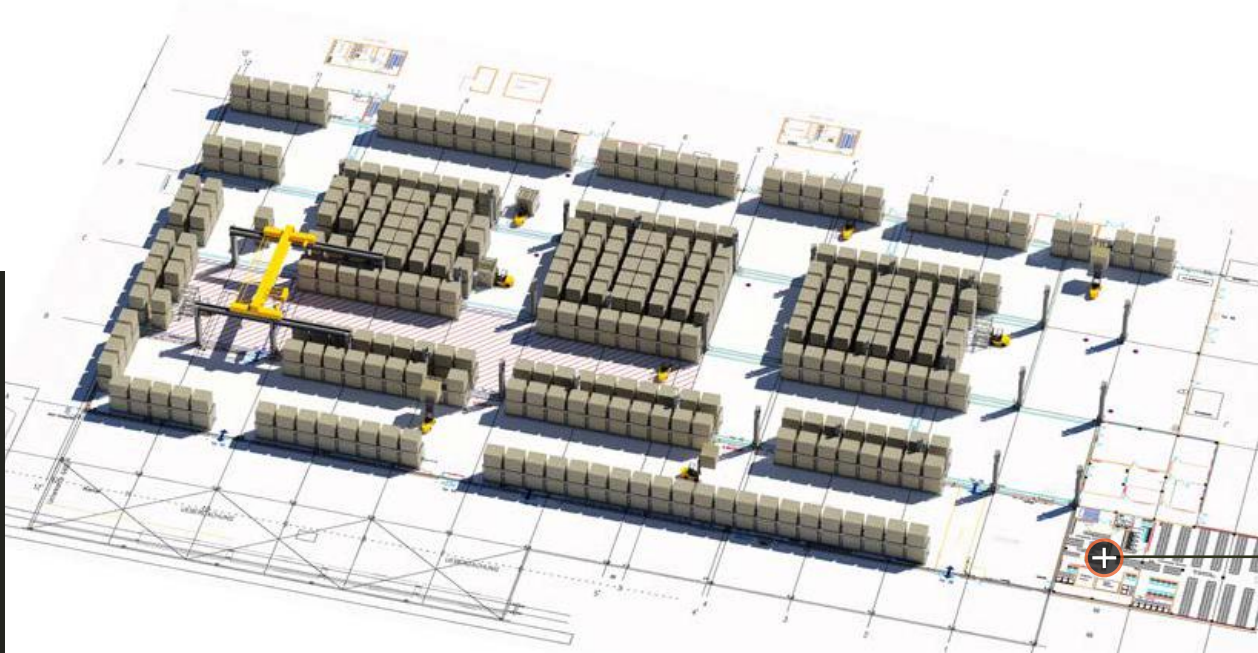


Longer items can be stored along multiple cubers that are linked together by ISO corner castors on bottom corners





PERFECT FOR AIRFIELD STORAGE

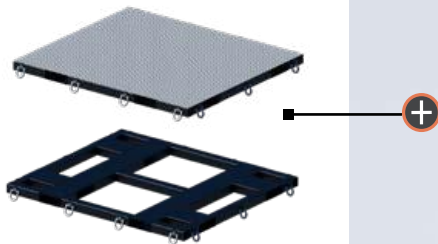


For full information on BANAIR CARGOCUBER products contact us at sales@ban-air.com

CHANGE LAYOUTS ON THE FLY

Easily reconfigure warehouse & yard cargo layouts. From selective storage to bulk storage

PART NUMBERS



BACC

BANAIR® CARGOCUBER™, Modular Storage Rack for 463L / ISU90 / Bulk Storage. Modular crate that can be stacked, combined, and moved in tandem. Each position 12,000lbs MAX UDL. Hot dip Galvanized



BACC-S6

BANAIR® CARGOCUBER™, Optional Intermediary Adjustable Platform, 6000lbs MAX UDL, for storage of bulk. Hot dip galvanized finish.



BACC-SP12K

BANAIR® CARGOCUBER™, Rolling Stock / General Purpose Storage Pallet, 108 x 94in (WxD) 12,000lbs MAX UDL, with integrated perimeter tie down points (14 each). Weight - 735lbs. Hot dip galvanized finish. LIFETIME LIMITED WARRANTY



BACC-S12

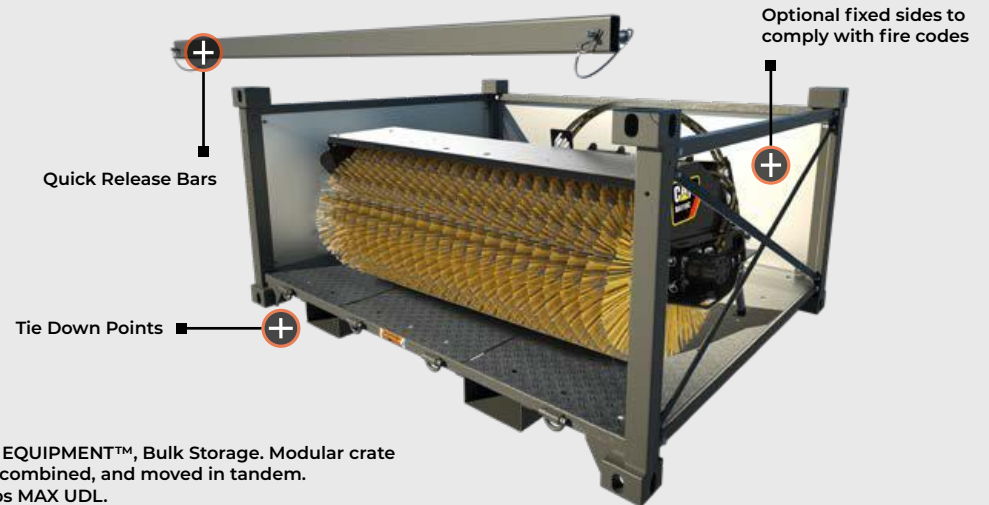
BANAIR® CARGOCUBER™, Optional Intermediary Adjustable Platform, 12,000lbs MAX UDL, with integrated dunnage. Hot dip galvanized finish



BULK FUEL EQUIPMENT
CUBER™



BULK FUEL EQUIPMENT CUBER™



BABFEC 44

BANAIR® BULK FUEL EQUIPMENT™, Bulk Storage. Modular crate that can be stacked, combined, and moved in tandem. Each CUBER 12,000lbs MAX UDL. Paint or Hot dip Galvanised finishes available

STRATEGIC BENEFITS FOR EACH SIZE

ASSET EQUIPMENT UP TO 10000LBS UDL

PICK SIZE

CHECK EXTERNAL SIZE AND WEIGHT
See following page for example of DABS assets that fit inside this range.

STACK UP TO 4 HIGH



MOBILE OPTION

Integrate with mobile bases to further maximise warehouse space



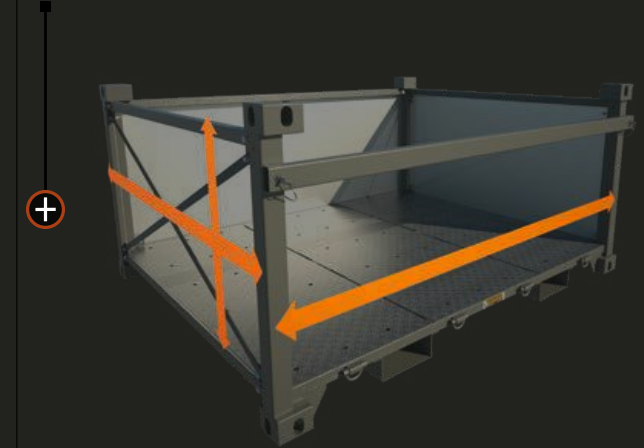
QUICK RELEASE

Allows larger assets to utilize the full cubinc space of the cubers



4 HEIGHT OPTIONS

Each with same the width and depth to allow compatable stacking





BABFEC44



BABFEC62



BABFEC83



BABFEC100

CAN STORE DABS ITEMS ON EXCEL ■
or ITEMS UPTO 108"(L) x 88"(W) x 44"(H)

EXTENDED CAN STORE DABS ITEMS ON EXCEL ■
or ITEMS UPTO 108"(L) x 88"(W) x 62"(H)

CAN STORE DABS ITEMS ON EXCEL ■
or ITEMS UPTO 108"(L) x 88"(W) x 83"(H)

EXTENDED CAN STORE DABS ITEMS ON EXCEL ■
or ITEMS UPTO 108"(L) x 88"(W) x 100"(H)

UTC	ITEM	UTCs Per DABS	Increment Per UTC	Total Increments in a DABS	WT of individual increment	WT of All Increments	LH	WH
UFM28	KIT PARKING SHORING	6	1	6	100	600	24	24
UFM28	SLEEPING SHORING	6	1	6	550	3300	30	30
JFDL	10K Bladder Liner	2	1	2	810	1620	48	48
JFDAL	POL WSM Fuels Lab SPT Kit	1	1	1	310	310	57	57
JFDAE	POL WSM Fuels Ops Support	1	1	1	645	645	55	49
JFDEL	10K Fuel Bladder	2	1	2	850	1700	70	48
4FMSR	Spall Repair Kit	1	1	1	2955	2955	88	108
4FMSR	Spall Repair Kit	1	2	2	7853	15706	88	108
HPMFG	FIRE BOTTLES	1	2	2	2575	5150	88	108
HPMFG	OIL TANK & PUMP UN	1	1	1	2298	2298	88	108
4FWCR	WATER TANK SKIDS PLT	1	2	2	2895	5790	108	98
HPMFG	AGE PALLET	1	1	1	2045	2045	108	98
HYM35	4631 PALLET/HALON KXT	3	1	3	1885	5655	108	88
HYM35	65TON ANGLE JACK/TIRE DOLLY	3	1	3	1645	4935	108	98
JFDLJ	8888 SINGLE SUPPORT DKK	2	1	2	5627	11254	108	98
JFDEK	PMU 27 MRRP Single Spare support	2	2	4	4305	17220	108	88
JFDEK	PMU 27 MRRP Single Support DKK	2	3	6	2924	17544	108	88
JFDEP	FFU-15E MSDP Single Support DEP	1	2	2	3807	7614	108	98
JFDEP	FFU-15E Filter Separator	1	1	1	1395	1395	108	98
JFDPS	110K BEHM Liner (x2 per crate)	1	1	1	4865	4865	108	98
JFDPS	RSP Support-DPS	1	1	1	2451	2451	108	98
JFDLW	110K BEHM LINER	16	1	16	2655	42480	108	98
JFDSC	RSP Support-DSC	1	1	1	2435	2435	108	98
JFDSS	WASS RSD	1	1	1	6295	6295	108	88
JFDSS	10K BEHM LINER (x2 Per crate)	1	1	1	1845	1845	108	88

UTC	ITEM	UTCs Per DABS	Increment Per UTC	Total Increments in a DABS	WT of individual increment	WT of All Increments	LH	WH
JFDSS	10K BLADDER (x2 Per crate)	1	1	1	1745	1745	108	88
JFDTH	HOSES	1	5	5	845	4225	108	88
JFDTH	HOSES VALVES FITTINGS	1	1	1	845	845	108	88
QFL2D	SFS TANK 1KM EQUIPMENT	4	4	16	4121	65936	108	88
QFL2L	SFS TANK 1KM TABS	1	1	1	3000	3000	108	88
QFL2S	SFS SMALL GAS EQUIPMENT	1	1	1	6745	6745	108	88
UFM53	U30 WEIGHT	1	8	8	5495	43960	108	88
UFM53	U30 SHAPE TIRE	1	10	10	1230	12300	108	88
UFM53	U30 SHORING KIT	1	1	1	750	750	108	88
UFM56	CRICKER SHORING KIT	1	1	1	2445	2445	108	88
UFM56	COUNTER WEIGHT W/ACCESS	1	2	2	840	1680	108	88

	(L)	(W)	(H)	CAPACITY	PAINT OR GALV FINISH	
BABFEC44	118"	96"	56"	10000LBS	☑	☑
BABFEC62	118"	96"	78"	10000LBS	☑	☑
BABFEC83	118"	96"	99"	10000LBS	☑	☑
BABFEC100	118"	96"	116"	10000LBS	☑	☑





**SPACE
CUBER™**
MOVEABLE STORAGE
CUBE SYSTEM



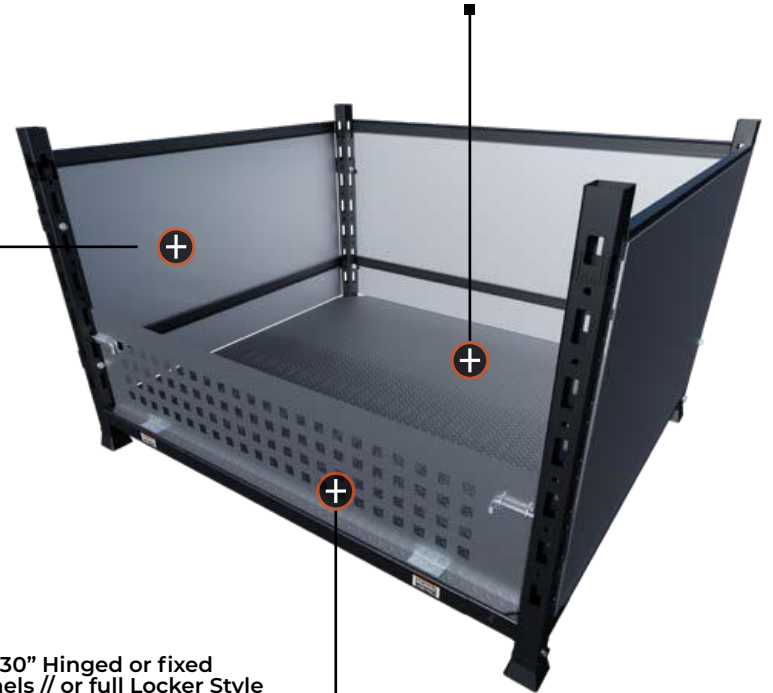
MOVEABLE STORAGE CUBE IN VARIOUS SIZES

The CUBER deck design can also be used outdoors as an asset protection solution to protect cargo underneath from snow, with full 75lbs/sqft snow capacity as standard – built for the toughest winter

The BANAIR Warehouse CUBER range of space optimization crates is designed for the ultimate in storage flexibility and density for harsh environments.

SPACECUBERS can be access on all 4 sides depending on the type of commodities being stored.

Weight capacity of 1000lbs UDL is standard across the range, with heavier optional capacities of up to 2000lbs



12" / 22" / 30" Hinged or fixed Front Panels // or full Locker Style Doors available



EASY REPAIRABILITY TO PROTECT ASSET INVESTMENT

EASY PORTABILITY (LIGHTWEIGHT)

SHIPPING OPTIMIZATION

ALL WEATHER PERFORMANCE DOWN TO -50C

FLEXIBILITY IN SIZE (L X W X H)

RECONFIGURABILITY

BACC###.###.C##



BACC###.###D
Storage
SPACECUBER

Pick the size
from our RANGE.

BACC###.###.O




BACC###.###D
(Checkplate Catwalk
Section/ Top Shelf)

BACC###.###D



BACC###.###D
(Checkplate Catwalk
Section/ Top Shelf)

BACC###.###.SK



BACC###.###SK
(Stair Kit Adder)



With Stair Kit add-ons the SPACECUBER design can very quickly be turned into a Expeditionary Walk&Pick System. Used with the CUBER enclosed bins this can also be a alternative to IPE Bin storage allowing reconfigurable layouts on the fly.



IPE BIN STORAGE

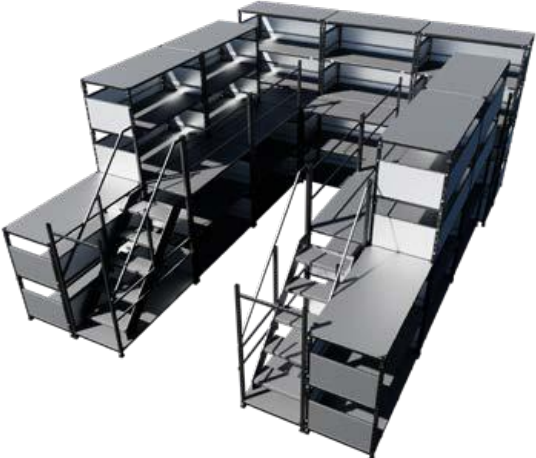
Top two SPACECUBERS 36" internal Height to fit IPE bins



WALK & PICK STORAGE

Expeditionary Walk&Pick System. Used with the CUBER enclosed bins this can also be a alternative to IPE Bin storage allowing reconfigurable layouts on the fly.





BUILD & ADAPT SYSTEMS ON THE FLY

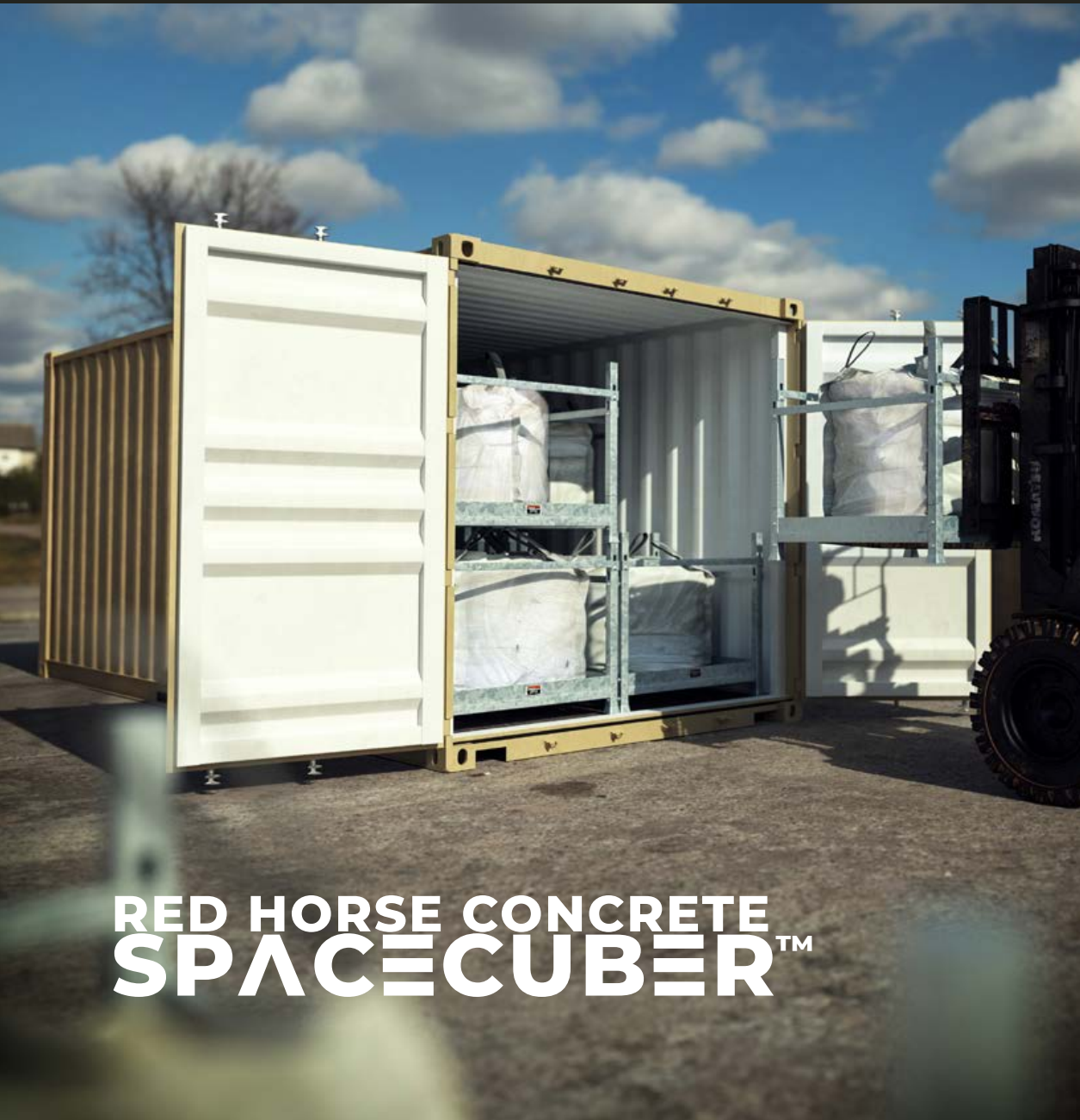
Straight / L-shape/ Horse shoe systems



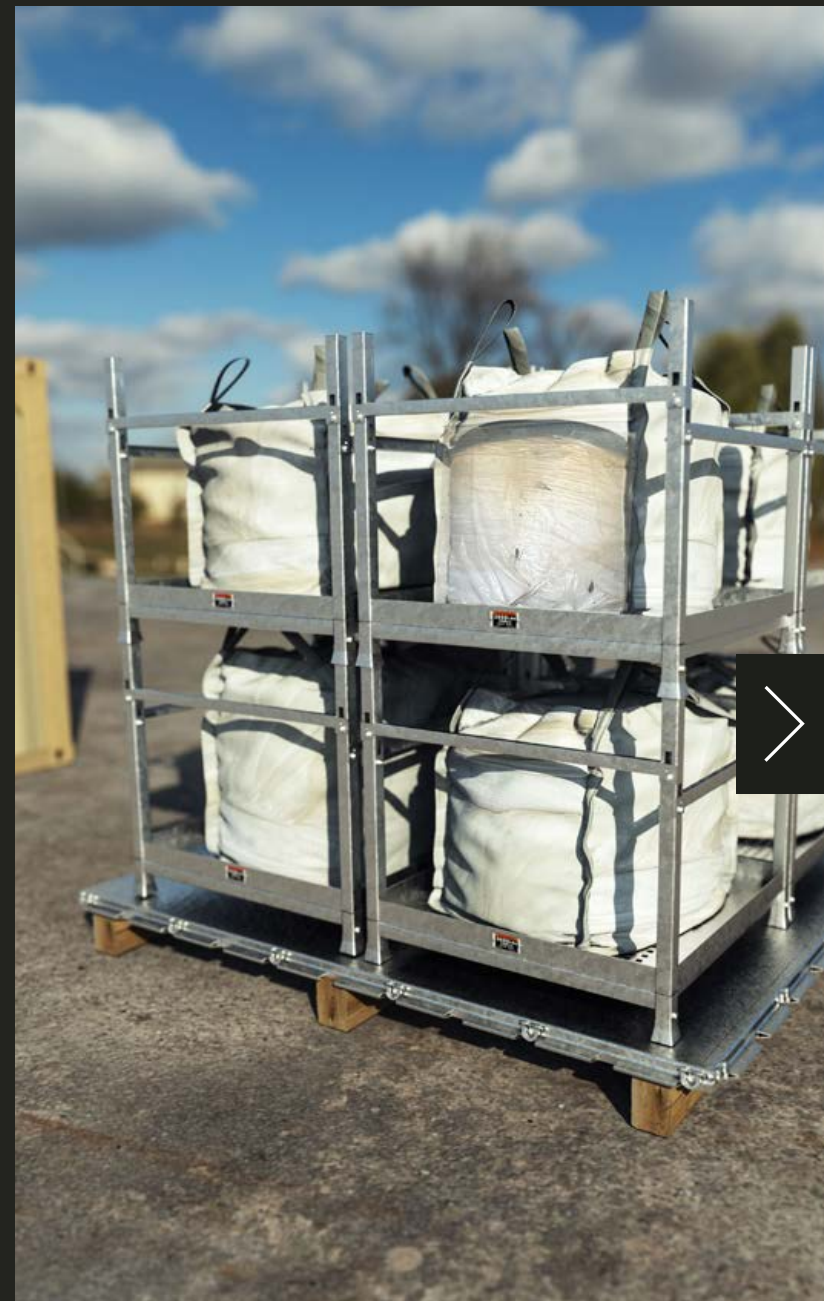
ADD-ONS

Create catwalk bridges between systems for versatile 'Walk & Pick' operations.





RED HORSE CONCRETE
SPACECUBER™



RED HORSE CONCRETE SPACECUBER



U.S. AIR FORCE

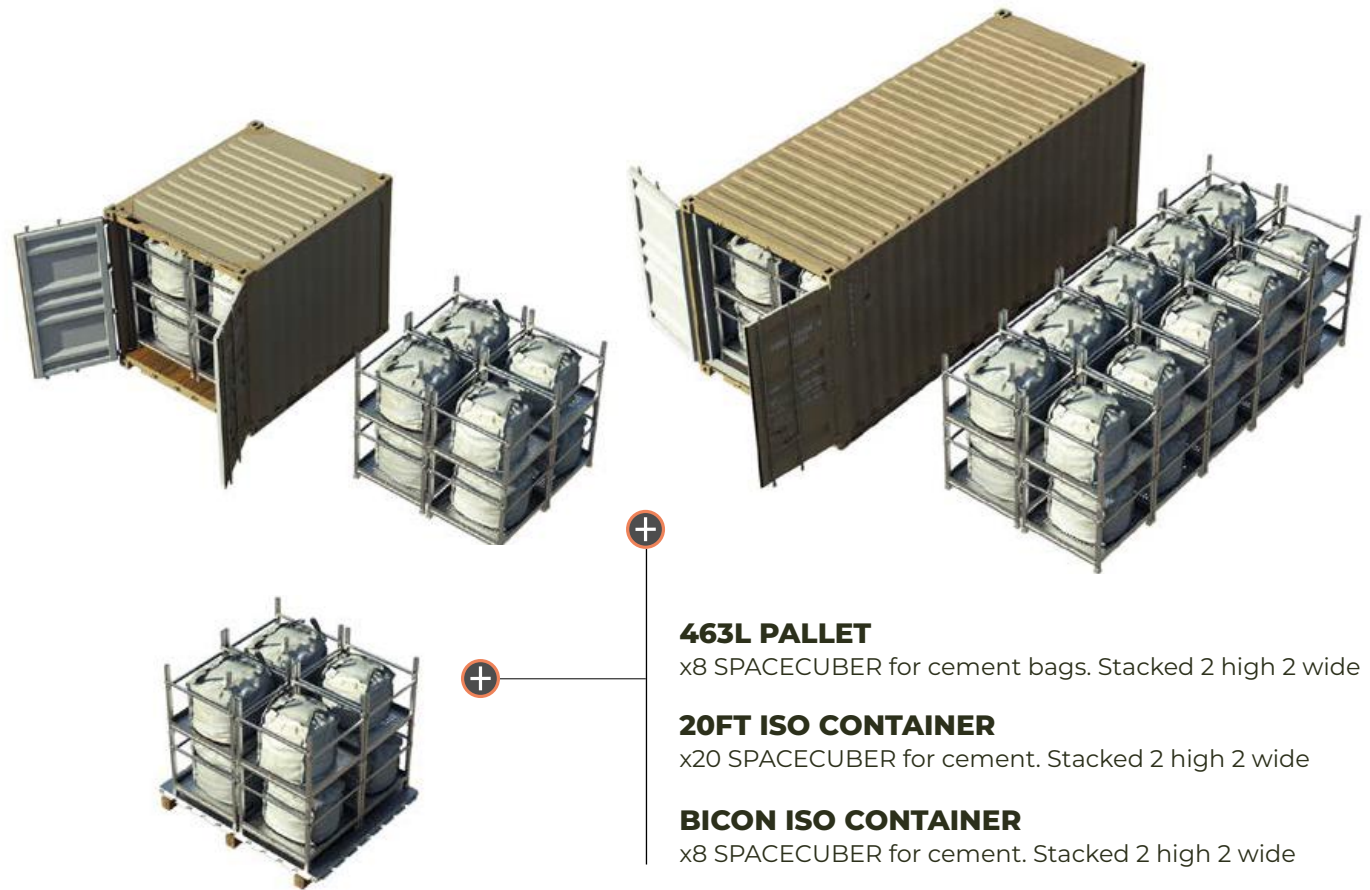
AIR FORCE AIRFIELD REPAIR REQUIREMENT FOR STORAGE OF CEMENT BAGS EACH WITH WEIGHT OF 3,000LBS.

SPACECUBER OPTIMIZED TO STACK TWO HIGH, TWO WIDE IN A CONTAINER. WHILE ALSO ALLOWING STORAGE UP TO 4 HIGH INSIDE A WAREHOUSE.

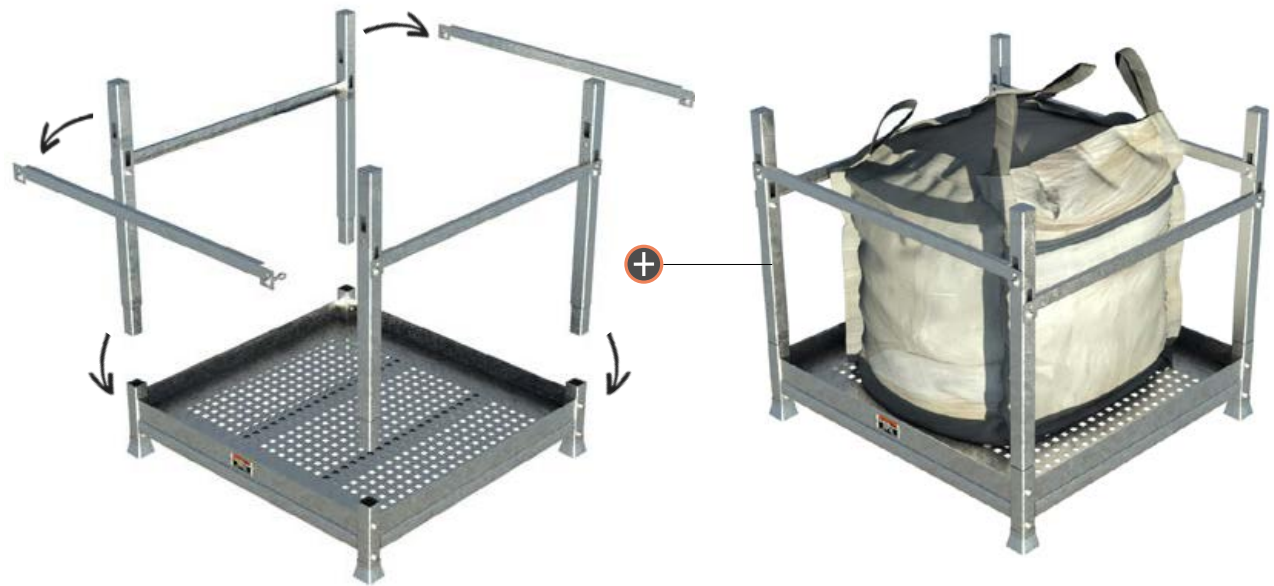


OPTIMIZED DEPLOYMENT IN VARIOUS FORMS

Optimized Size to stack inside ISO containers & 463L pallets for deployment either full or empty



RED HORSE CONCRETE SPACECUBER



BETWEEN UPRIGHTS (W) (D) (H)	EXTERNAL SIZE (W) (D) (H)
40" 38" 37"	44" 42" 40"



QUICK RELEASE

Bracing bars with quick release for fast deployment.



FIRE-CODE COMPLIANT

Flow through base for warehouse storage and ventilation



3,000lbs CAPACITY

Compatible with all major forklift manufacturers & types

For full information on how SPACECUBER could help with your storage needs contact sales@ban-air.com / USAsales@ban-air.com



IARS™



**INSTANTLY ADJUSTABLE
RACK SYSTEM**



IARS™

THE ULTIMATE IN RACK FLEXIBILITY & EFFICIENCY PIONEERED BY BANAIR®

Uprights are completely free-standing with hooks every 6 inches. Shelves, or pallets, can be completely removed by a forklift from their free-standing rack structure



+ REMOVABLE PALLETS



+ ADJUST EVERY 6 INCHES



+ 12 HEIGHTS UP TO 30FT



+ RANGE OF ACCESSORIES



HOW THE SYSTEM WORKS >

TRADITIONAL RACK constructed from upright frames & platforms creating shelves of fixed height.

These platforms bolt or slot into position can only be adjusted by emptying stock from the system.

INSTANTLY ADJUSTABLE RACK SYSTEM uprights are completely free-standing with hooks every 6 inches. Shelves, or pallets, can be completely removed by a forklift from their free-standing rack structure

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

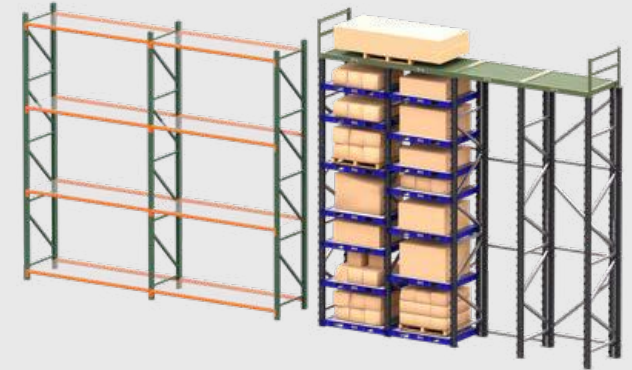


ADJUST EVERY 6 INCHES

IARS as standard has hooks every 6 inches giving maximum flexibility for loads heights



IARS™



TRADITIONAL RACK

Constructed from upright frames & platforms creating shelves of fixed height. These platforms bolt or slot into position can only be adjusted by emptying stock from the system.

IARS

INSTANTLY ADJUSTABLE RACK SYSTEM
shelves, or pallets, can be completely removed by a forklift by simply lifting 6 inches from their free-standing rack structure



SAME AMOUNT OF STOCK 50% FOOTPRINT

ADJUST EVERY 6 INCHES



LIFETIME WARRANTY

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



FIRE CODE COMPLIANT FLOW-THRU

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



DESIGNED TO INDUSTRY STANDARDS

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



MHE COMPATIBLE

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



ADJUSTABLE IARS PALLETS

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



SPACE SAVING

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

PALLET//

BANAIR pallets are at once both:

- 1// System shelves
- 2// Removable pallet
- 3// Storage modules
- 4// Drawer systems

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

Capacity from **1000lbs to 4000lbs** (standard 2000lbs) with a range of sizes available.

Pallets are Flow-Thru, and can be configured as fixed Top-Shelves to create continuous shelving area for longer items.

FIRE CODE COMPLIANT FLOW-THRU

Designed pallets and FLUE SPACERS as STANDARD to meet strict fire codes



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

4 WAYS TO USE IARS



1 SYSTEM SHELVES



2 REMOVABLE PALLETS



3 STORAGE MODULES



4 DRAWER SYSTEMS

WIDE RANGE OF RACK & PALLET ACCESSORIES:

RACK ACCESSORIES

- Mobile Bases
- 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

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



HAZMAT TRAYS



TIRE STORAGE



GUIDE RAILS



DRAWER SYSTEMS



PARTITION KITS

MAXIMISE WAREHOUSE SPACE

BANAIR® is a global business group.
We design and manufacture innovative
military solutions.



INTUITIVE CONTROLS



RAPIDLY ACCESSIBLE DENSE STORAGE

MOBILE SYSTEM



IARS™ PALLET

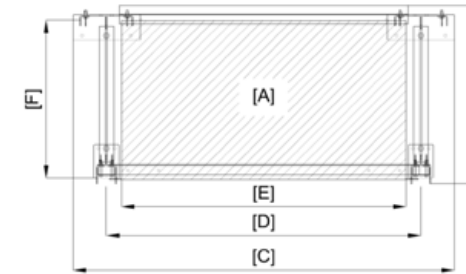
LIGHT-DUTY PALLET: 500lbs (225kgs)
FLOW-THRU PALLET: 2500lbs - (1135kgs)



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

KEY

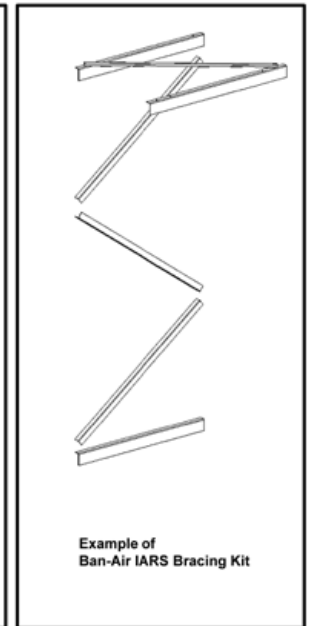
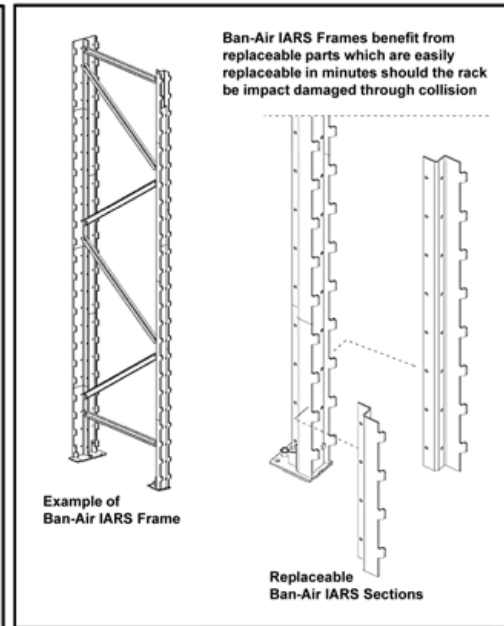
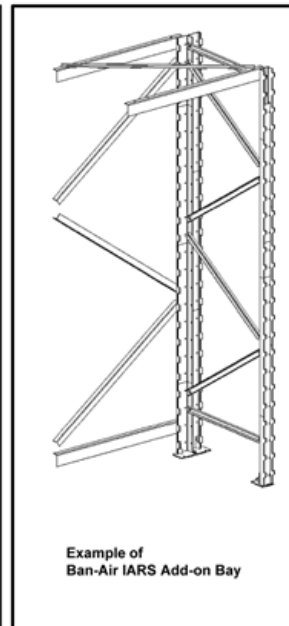
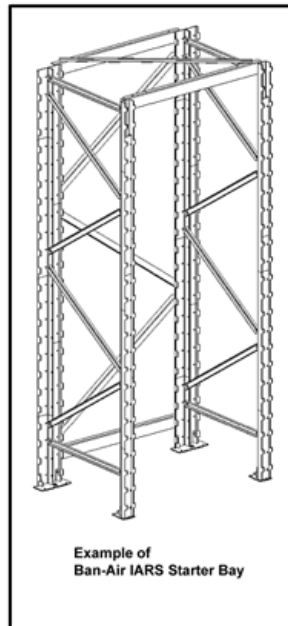
- A. PALLET WIDTH
- B. PALLET DEPTH
- C. FRAME DEPTH (FRONT TO BACK)
- D. CENTRE TO CENTRE (LEFT TO RIGHT)
- E. FRONT COLUMN CLEARANCE (LEFT TO RIGHT)
- F. REAR COLUMN CLEARANCE (LEFT TO RIGHT)



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

BANAIR® INSTANTLY ADJUSTABLE RACK SYSTEM (“IARS”)

SPECIFICATIONS AND BENEFITS

IARS are storage racks by BANAIR that are instantly adjustable by forklift alone, with such steel pallets removable from the system and able to be repositioned immediately within the overall system on 6” vertical centers. This yields better cube utilization (storage density) and easier handling (reducing wooden pallet usage). Other rack storage systems require use of bolts and/or pins to lock shelves in place and therefore require significant labor time and working at height to change the shelf heights in a warehouse.

IARS RACK

- Range in height of racking in 2ft increments from 8' (2.4m) to 32' (9.7m) as standard.
- Repairing damage – fast and simple. Simply remove the loaded pallets either side of the affected frame and replacing the affected structural component(s)
- Front and rear upright hooks sections are replaceable in smaller sections without affecting other non-damaged rack frame components
- Front hooks: Positive self-engagement by the steel pallet with automatic self-centering within the frames (depth)
- Rear hooks: Extra-large hook landing area, assures safe engagement of pallets into the system at all load-bearing contact points
- Does not require fitting of any cross beams (mid-level panels) that would limit the instant adjustability feature of the vertical bay storage
- Bolted design also allows for the future reconfiguration of rack to accommodate different heights, widths and depths
- Fast, efficient shipping compared with fully welded frames
- Seismic grade 8mm (5/16th inch) steel base plate as standard to all feet
- RMI and FEM industrial rack standards compliant

IARS PALLETS / SHELVES

- All pallets/shelves are flow-thru design as standard (to meet NFPA13 and UFC 3-600-01)
- Flow-thru top shelf as standard with every IARS system
- Range of sizes / weight capacities
- Range of available bolt-on accessories
- Integrated lashing points for load restraint
- Self-centring feature on upright hook engagement
- Reinforced fork entry windows
- Aluminum weight safety labels

FINISH:

- Rack uprights – Polyester powder coat to 85 micron (min) thickness with a high resistance to wear and surface abrasion & salt-spray performance
- Bracing bars – hot-dip pre-galvanized
- Pallets – combination of polyester powder coat structural framework and hot-dip pre-galvanized load support ribs

For full options on IARS systems
contact us at sales@ban-air.com



RACK MEZZ™

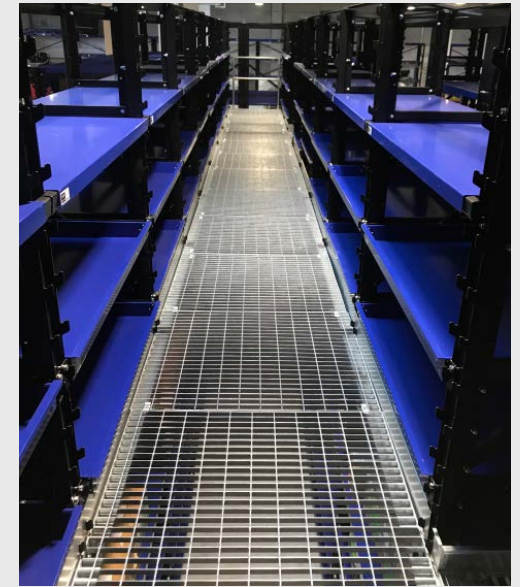
RACK SUPPORTED
MULTI-LEVEL STORAGE

RACKMEZZ™

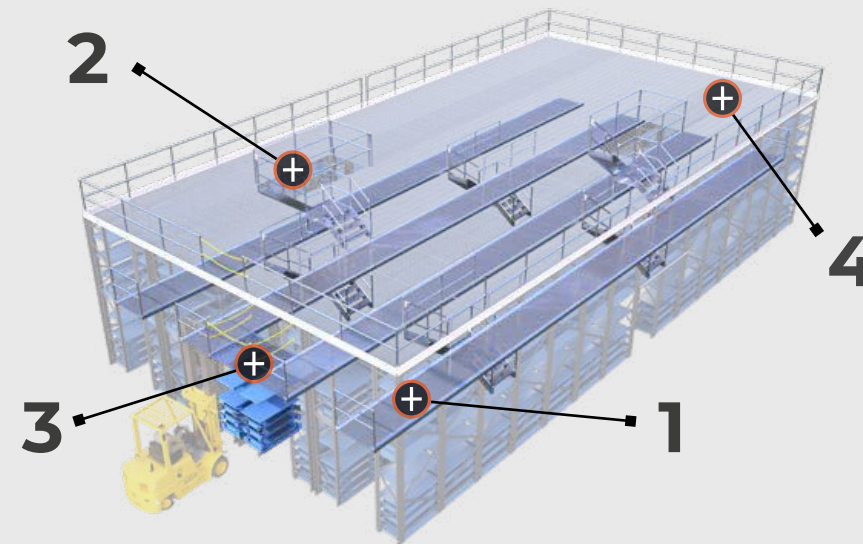


HOW THE SYSTEM WORKS>

RACKMEZZ is built upon the outstandingly flexible Instantly Adjustable Rack System (IARS) from BANAIR which comes with a LIFETIME WARRANTY.

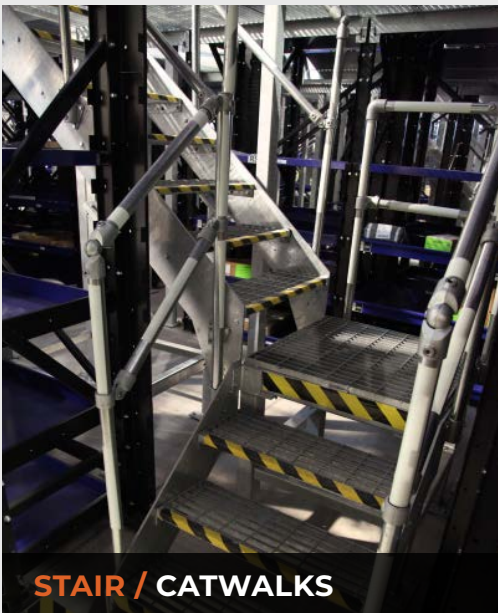


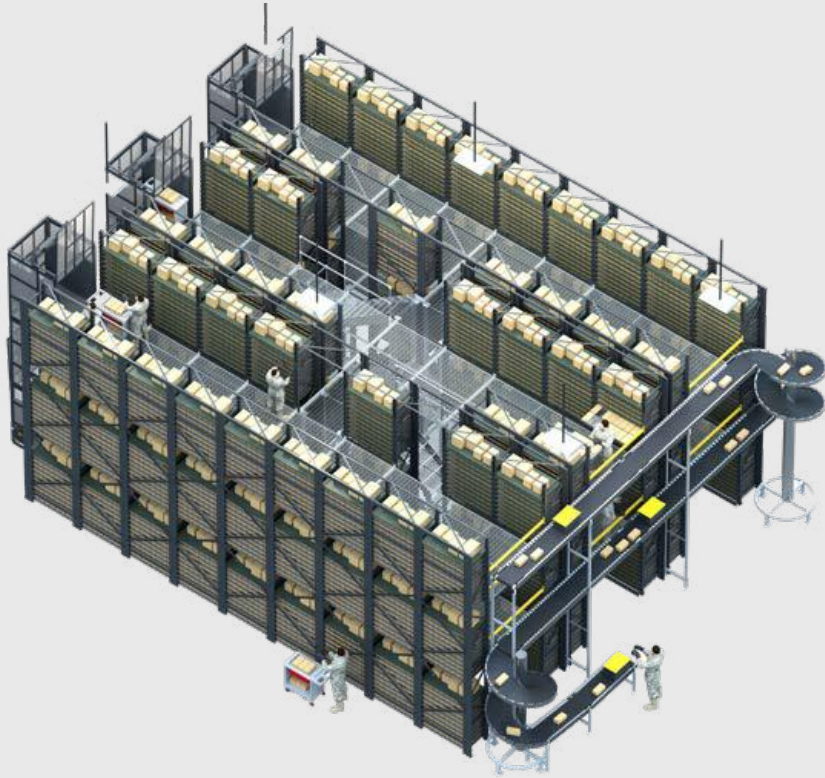
As the rack is free-standing, the IARS system allows users to retrieve, relocate and reconfigure the fully loaded systems with just a regular forklift. **RACKMEZZ** takes this already versatile rack system to the next level by combining adjustable mezzanine walkways, internal space-efficient stair kits, pallet gates, and open mezzanine decking to create incredibly versatile and integrated storage structures



RACKMEZZ takes this already versatile rack system to the next level by combining adjustable mezzanine walkways, internal space-efficient stair kits, pallet gates, and open mezzanine decking to create incredibly versatile and integrated storage structures

- 1 Adjustable Mezzanine Walkways
- 2 Stair Kit
- 3 Pallet Gate
- 4 Open Mezzanine Deck





RACKMEZZ can be configured to fit inside almost any existing building, thereby maximizing available storage volume and create multi-level storage structures.

BAN-AIR RACKMEZZ gives users the potential to configure picking routes and resupply shelves at the most optimum location for their needs, maximizing efficiency and storage density.

Extras

- Multi Level Conveyor Belts
- Platform Lifts for carts
- Perimeter Fencing / Gates



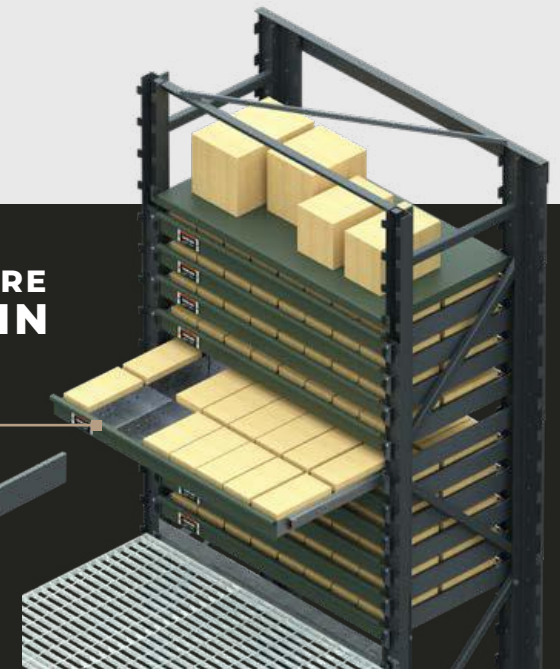
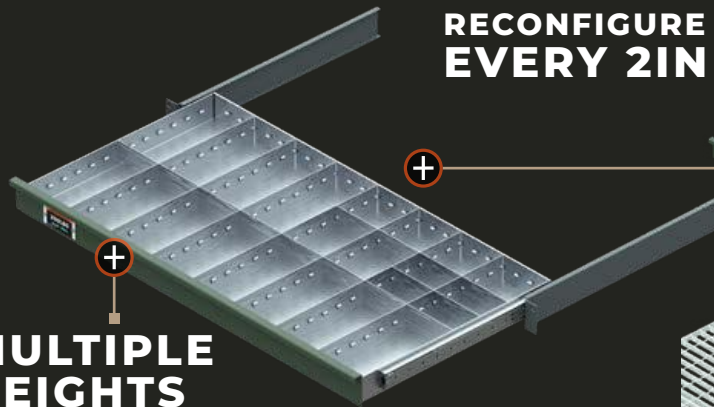
DRAWERS PLANOGRAPH

Each Drawer located in the Rack can have designated planograph layouts to fit customers stock items. Drawer planograph compartments can be reconfigured at every 2" to utilize smaller items

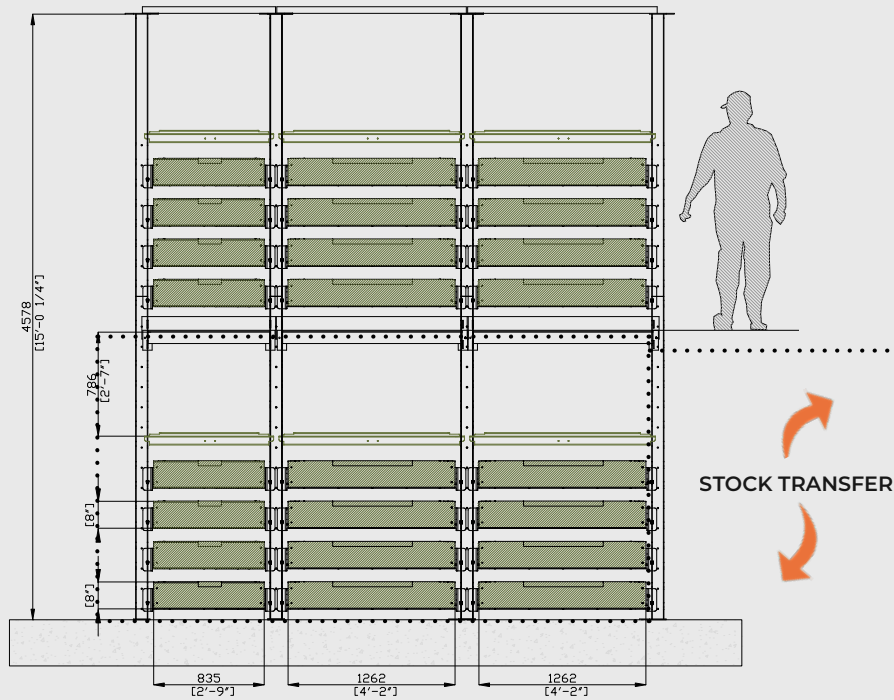
For full options on IARS & RACKMEZZ systems contact us at sales@ban-air.com

**MULTIPLE
HEIGHTS**

**RECONFIGURE
EVERY 2IN**



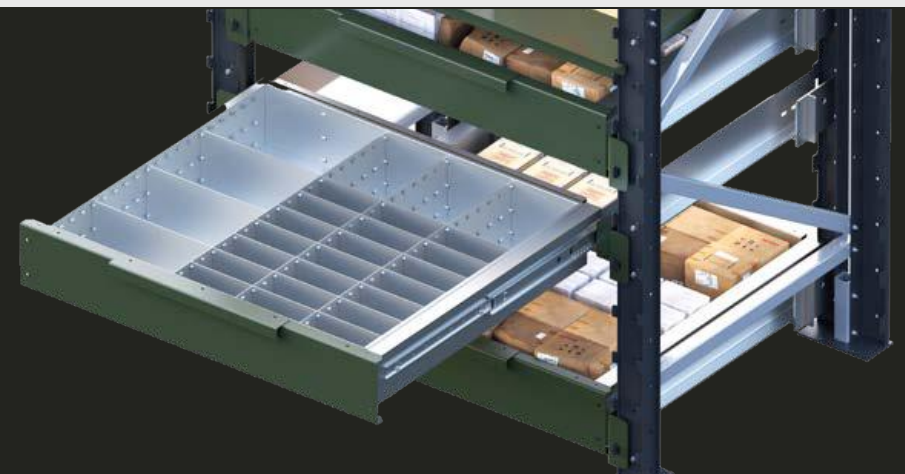
MAX LOAD PER DRAWER 150 LBS.



BANAIR DRAWER INTERNAL SIZE 48" W 40" D 8" H

IDEAL FOR STOCK TRANSFER

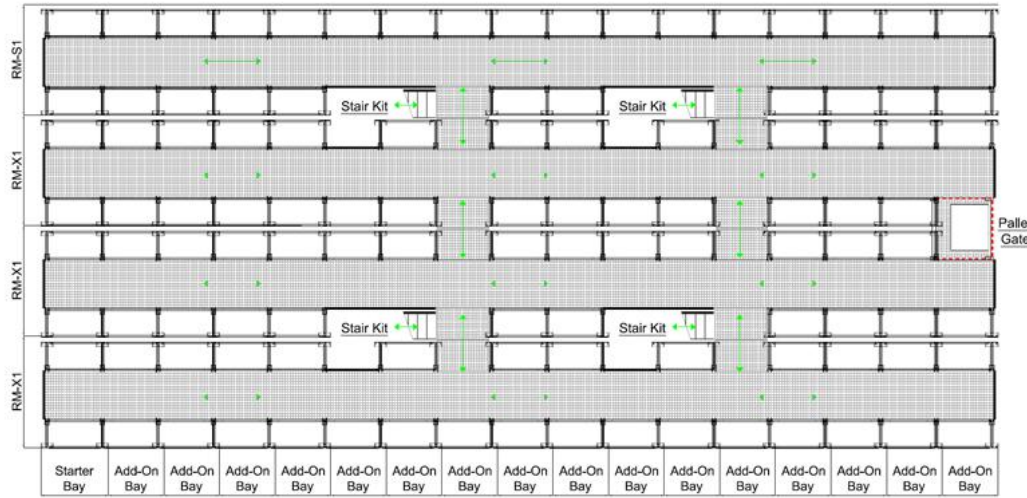
BANAIR DRAWERS can be specifically designed with inserts that match Planograph Details for specific configurations to allow easy transfer of stock between both



MAX LOAD PER DRAWER 150 LBS.

SPECIFICATION//

EXAMPLE SPECIFICATION* - Other Bay/Aisle sized systems available

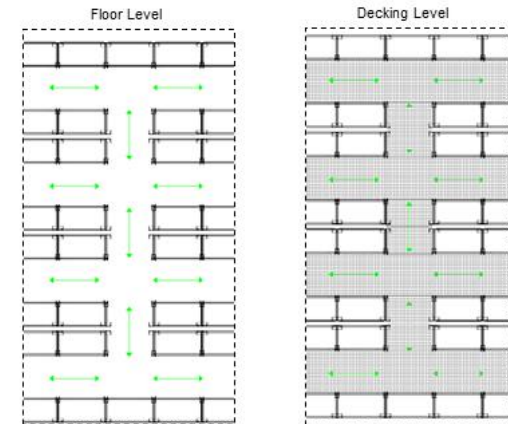


Example above for a RACKMEZZ as per a decking level configuration

Footprint (ft)	Number of Aisles	System Depth (ft)	System Depth (mm)
Starter two rows at 30" Racking	1 x RM-S1	9'-4 1/4"	2852
Increase two rows at 30" Racking	1 X RM-X1	+9'-9"	+2972
Starter two rows at 42" Racking	1 x RM-S1	11'-4 1/4"	3480
Increase two rows at 42" Racking	1 X RM-X1	+11'-9"	+3680
Starter two rows at 48" Racking	1 x RM-S1	12'-4 1/4"	3758
Increase two rows at 48" Racking	1 X RM-X1	+12'-9"	+3886

Access bays can be placed anywhere in the system to reduce the distance to the pick face, this offers dynamic flexibility and order picking and product replenishment becomes a seamless, integrated process. Ideal for:

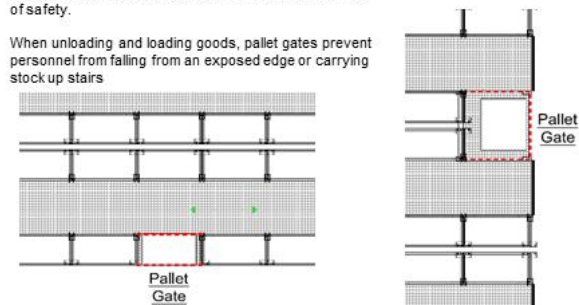
- Inventory with stock rotation
- Dense storage of multiple line items
- High throughput warehouses
- Numerous picking teams




Pallet Gate bays can be placed anywhere in the system

In all warehouse and factory environments, mezzanine pallet safety gates play a central role in the improvement of safety.

When unloading and loading goods, pallet gates prevent personnel from falling from an exposed edge or carrying stock up stairs




RACKMEZZ Drawer




The Ban-Air IARS Drawer system offers in-rack drawer capability for smaller item storage 400lbs capacity

RACKMEZZ Roll Out Shelf




IARS Roll-Out Shelves can be positioned throughout the rack system to optimize storage of smaller items with the bulk rack 400lbs capacity

RACKMEZZ Fixed Shelf



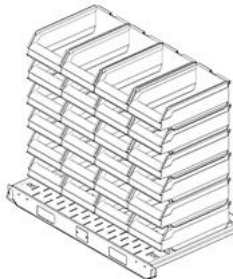
Efficient IARS Fixed Shelves are available to slot into standard IARS rack to support lighter loads 400lbs capacity

Partitioning Kits



The Ban-Air IARS Partition Kit is a readily-moveable storage solution for small boxed items. Partitioning Kit Dividers are provided (one per unit as standard = PK30D) to split the position into multiple compartments.

Bin Modules



Modular, flexible, and expandable pallet accessories from Ban-Air, rapidly re-configured to meet daily operational requirements.

Ban-Air Bin Modules take 12 or 24 custom molded storage bins, each offering approximately 1.1 cubic feet of storage each.





CASE STUDIES



DABS/



CASE STUDY: **SANEM (PHASE 1)**

Customer: Sanem
Location: Sanem, Luxembourg

Products:
CARGORACK (FIXED & MOBILE)
IARS (FIXED & MOBILE)
CANTILEVER



TOTAL CUBIC FT
CAPACITY 335000FT
= 620%
INCREASE

INSTALLATION





CASE STUDY: **SANEM (PHASE 2)**

Customer: Sanem
Location: Sanem, Luxembourg

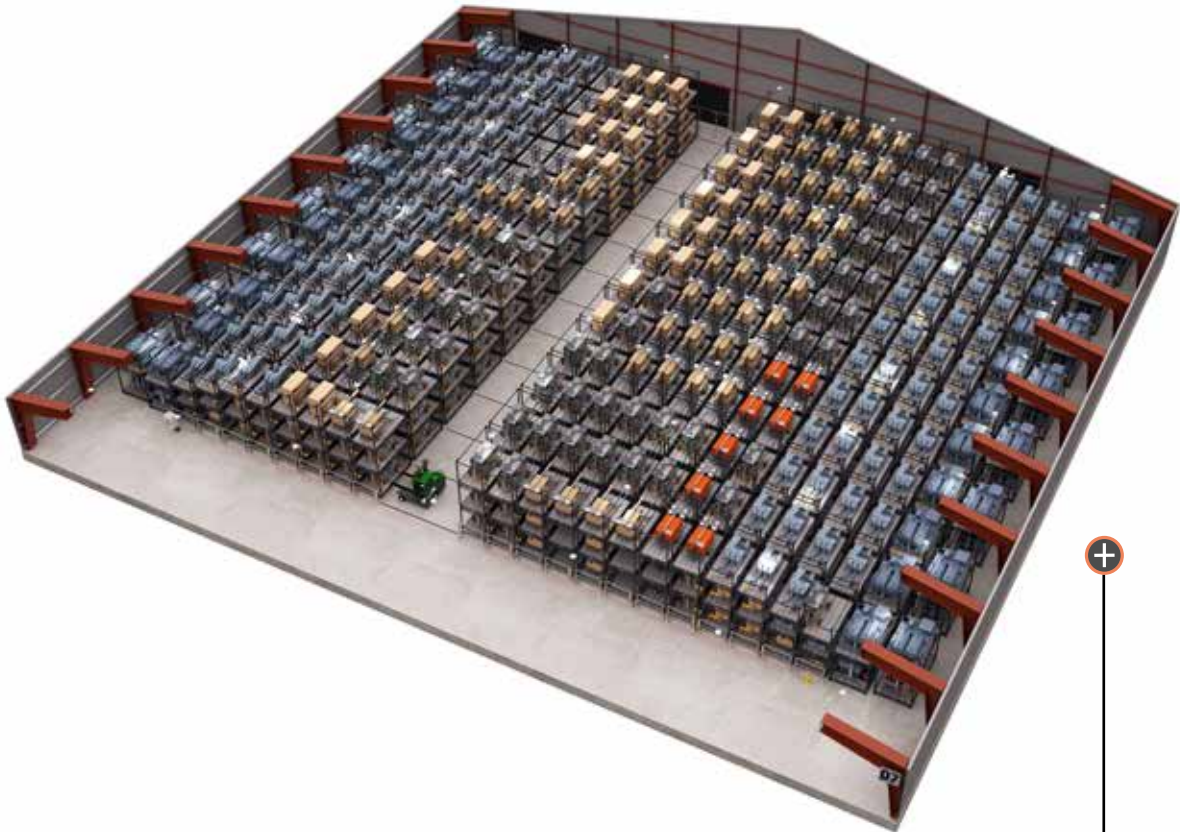
Products:
ROLLINGSTACK CRATES
MOBILE BASES

**+800
VARIOUS
ROLLING
STOCK
ASSETS**

BEFORE



AFTER





CASE STUDY: **HOLLOMAN AFB (YARDS)**

Customer: Sanem
Location: Sanem, Luxembourg

Products:
CARGORACK EXTERIOR (WITH ROOF AND INSPECTION CATWALK)

+500
ISU90





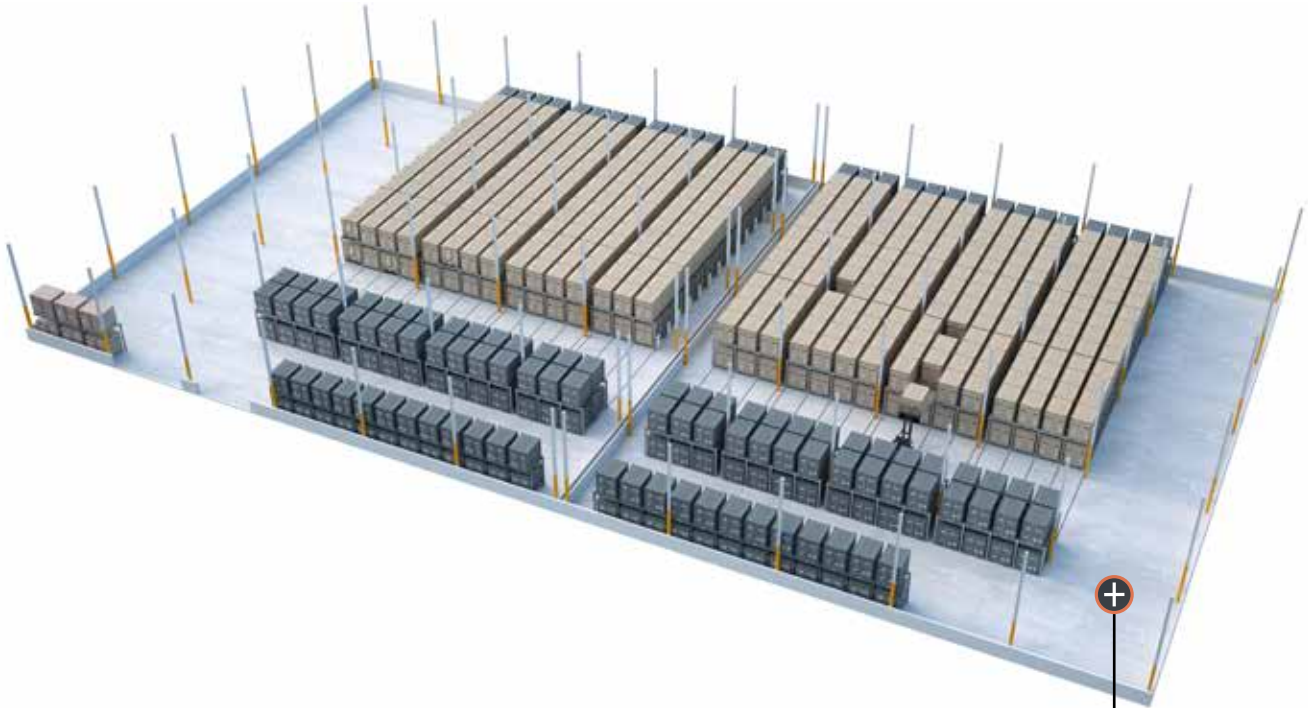
CASE STUDY: HOLLOMAN AFB (BLDG 953)

Customer: Sanem
Location: Sanem, Luxembourg

Products:
TRICON CARGORACK (MOBILE)



**+1000
TRICONS**
**ON MOBILE
BASES**





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