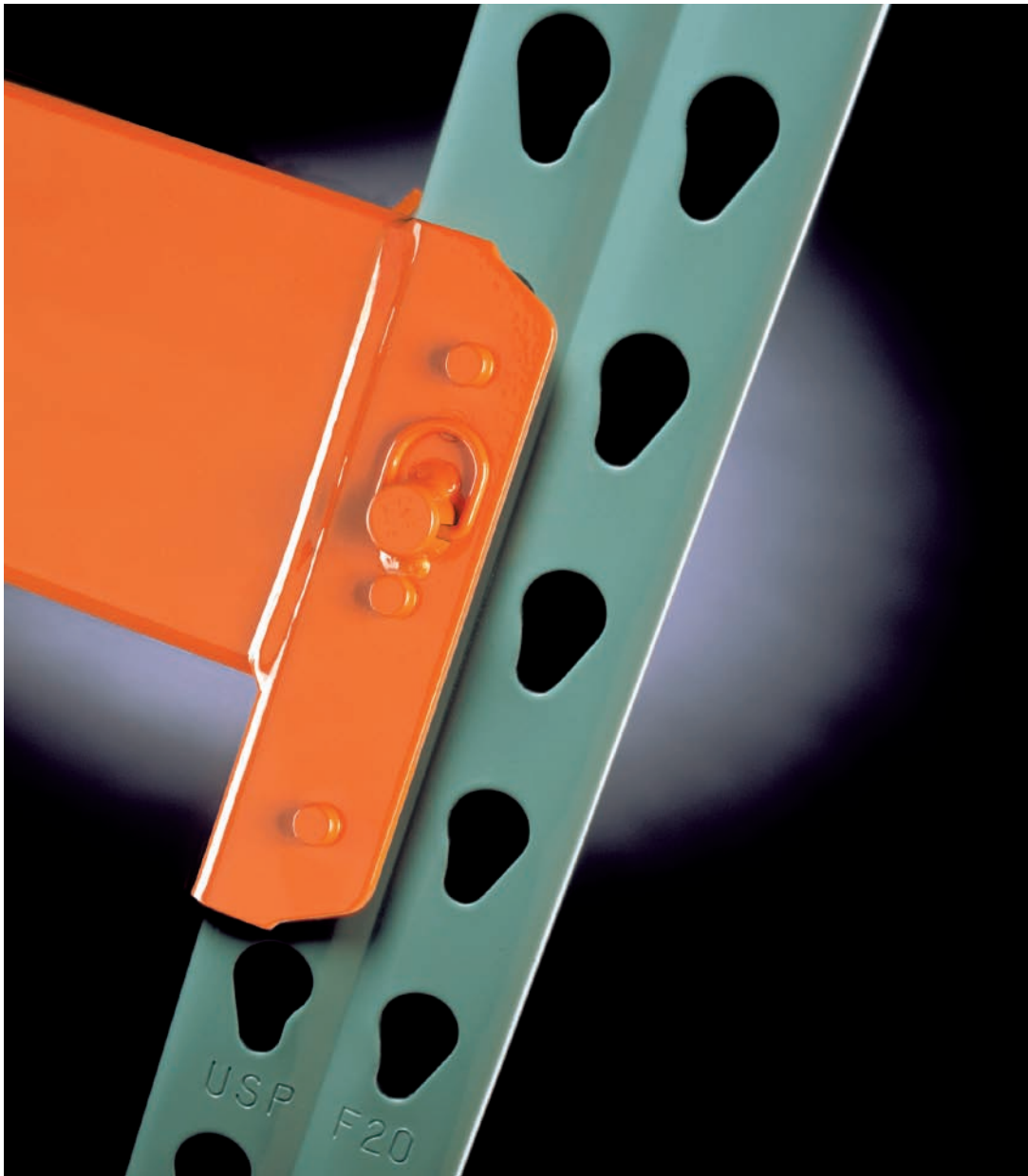


EXCEL

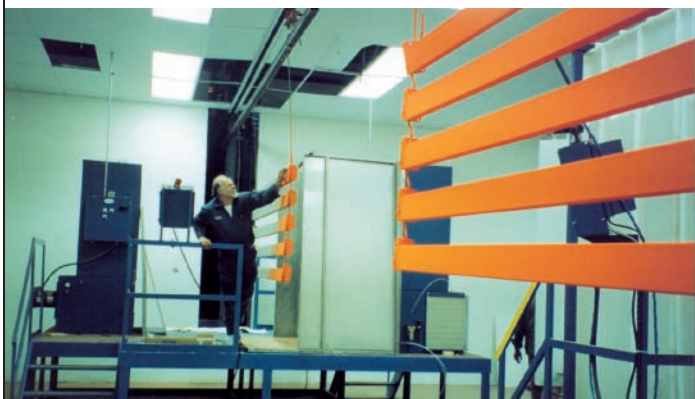
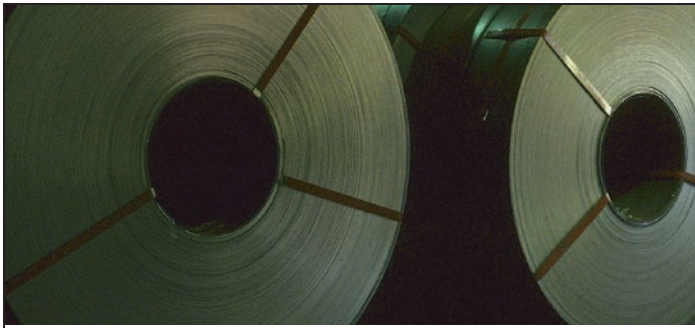
Storage Products LP

THE STORAGE RACK COMPANY

MANUFACTURER OF  **RACK**



ROLL-FORMED STORAGE PRODUCTS



ENGINEERED FOR **VALUE**

ALL OUR STORAGE PRODUCTS ARE DESIGNED AND FABRICATED IN OUR OWN FACILITIES, ALLOWING US TO MAINTAIN A CONSISTENTLY HIGH STANDARD OF QUALITY. EXCEL STORAGE PRODUCTS' HIGH QUALITY, COST-CONSCIOUS DESIGN AND INNOVATIVE STORAGE SOLUTIONS ALL ADD UP TO GIVE YOU THE BEST RACK VALUE.

THE **ESP** ADVANTAGE

EXCEL STORAGE PRODUCTS HAS OVER 35 YEARS OF EXPERIENCE IN THE RACK MANUFACTURING INDUSTRY. WE BELIEVE THE QUALITY OF OUR COMPANY IS AS IMPORTANT AS THE QUALITY OF OUR PRODUCTS. THE ADVANTAGES WE PROVIDE TO OUR CUSTOMERS INCLUDE:

- A NATIONWIDE NETWORK OF DEALERS AND STOCKING DISTRIBUTORS.
- PERSONAL ATTENTION TO YOUR REQUIREMENTS, NO MATTER HOW SMALL OR LARGE.
- CUSTOM CAD-ENGINEERED LAYOUTS.
- COMPLETE TURNKEY INSTALLATIONS AVAILABLE.
- COMPETITIVE PRICING.
- FAST TURNAROUND OF ORDERS.
- LARGEST QUICK-SHIP PROGRAM IN THE INDUSTRY WITH A GUARANTEED 48 HOUR TURNAROUND.



ALL USP COMPONENTS ARE BACKED BY OUR QUALITY ASSURANCE PROGRAM. STRICT QUALITY GUIDELINES AND TESTING AT EVERY STEP OF THE MANUFACTURING PROCESS GUARANTEE A SUPERIOR PRODUCT.

PALLET SELECTIVE ►



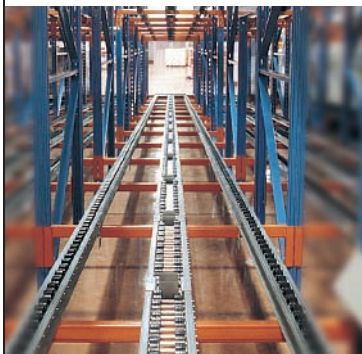


▲ DOUBLE DEEP

APPLICATIONS



▲ PUSH-BACK



▲ PALLET FLOW



▲ RETAIL DISPLAY

DRIVE-IN ▼



STORAGE DIVERSITY

EXCEL STORAGE PRODUCTS MANUFACTURES A FULL LINE OF STORAGE RACK CONFIGURATIONS TO FIT EVERY SIZE AND BUDGET. OUR RACK, ACCESSORIES AND SYSTEMS CAN BE USED FOR A VARIETY OF STORAGE APPLICATIONS:

- PALLET SELECTIVE
- BULK STORAGE
- ARCHIVE STORAGE
- DRIVE-IN & PUSH-BACK
- CARTON FLOW
- PALLET FLOW
- MARINE STORAGE
- RETAIL DISPLAY
- RACK-SUPPORTED CATWALKS & MEZZANINES
- DOUBLE DEEP

QUALITY FROM START TO FINISH

OUR ATTENTION TO DETAIL ASSURES YOU OF A QUALITY RACK SYSTEM.

MORE STEEL - WE START BY PUTTING MORE STEEL INTO ALL OUR COMPONENTS FOR A HEAVIER, MORE RIGID AND DURABLE RACK.

HIGH STRENGTH - ONE PIECE TUBE STEP BEAMS SCARFED WITH NO EXPOSED WELDS.

EXTRA-SECURE CONNECTIONS - THREE HIGH-STRENGTH BUTTONHEAD STUDS ON BEAM CONNECTOR PLATES AND TAPERED KEYHOLE SLOTS IN FRAMES FOR QUICK, EASY ASSEMBLY.

SAFETY - FACTORY-INSTALLED, SELF-ENGAGING D-RING LOCKING DEVICE IS STANDARD ON ALL BEAM CONNECTORS.

BETTER FINISH - WE USE A POWDER-COAT BAKED POLYESTER PROCESS ON ALL MAJOR COMPONENTS WHICH CREATES A DURABLE APPLIANCE FINISH, AVAILABLE IN A RANGE OF OPTIONAL COLORS.

▼ CARTON/PALLET FLOW

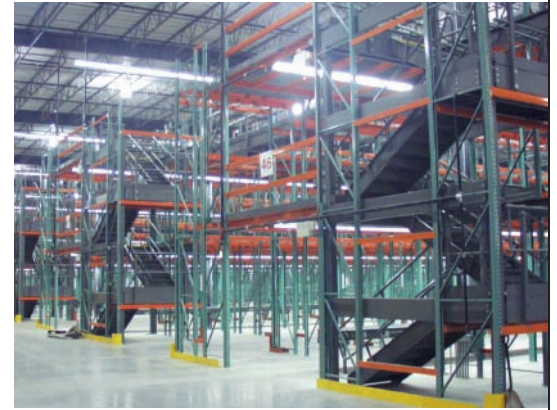




▲ ARCHIVE STORAGE



▼ ▲ INTEGRATED PICK MODULES ▼



SPECIFICATIONS



Notes:

1. Based on RMI 2002 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
2. Capacities are based on uniformly distributed loading in pounds per shelf (pair of beams).
3. Deflection limited to span/180.
4. Spans from 48" to 80" designed for 25% impact from placing 1 load per shelf.
5. Spans from 82" to 120" designed for 25% impact from placing 1 of 2 loads per shelf.
6. Spans from 122" to 144" designed for 25% impact from placing 1 of 3 loads per shelf.
7. Applicable for non-seismic use only. Building codes may require otherwise.
8. Capacities are for beam components only. Overall rack system configuration is the responsibility of others.
9. Contact your Excel representative for design assistance or for applications not covered by above.
10. For beam lengths over 144" (green tinted on capacity chart) - 2 safety bars required per beam level, tek screwed to beam.

ROLL-FORMED STEP BEAM CAPACITIES (LBS. PER PAIR)






Other sizes available - Please contact your representative for information.

BEAM LENGTH (INCHES)	T2250 4" CONNECTOR (2 RIVET)		T2500 4" CONNECTOR (2 RIVET)		T3600 6" CONNECTOR (3 RIVET)		T4124 6" CONNECTOR (3 RIVET)		T4624 6" CONNECTOR (3 RIVET)		T5124 6" CONNECTOR (3 RIVET)		T5900 6" CONNECTOR (3 RIVET)		T6500 8" CONNECTOR (4 RIVET)	
	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity
48"		3144		4066		6910		8775		10597		12000		12000		12000
60"		2556		3285		5612		7097		8552		10767		12000		12000
72"		2002		2762		4743		5975		7186		9029		12000		12000
84"		1492		2252		4485		5734		6883		8632		12000		12000
96"		1155		1735		3483		5028		6067		7596		10583		12000
102"		1027		1540		3106		4476		5731		7168		9975		11825
108"		919		1376		2788		4011		5309		6788		9434		11206
120"		747		1115		2283		3276		4330		5887		8512		10152
132"								2726		3599		4887		7682		9196
144"								2303		3038		4120		6511		8482
156"										2597		3519		5551		7335
168"														4785		6357
180"														4163		5562

NOTE: SIZES HIGHLIGHTED IN BOLD INDICATE STANDARD SIZES.

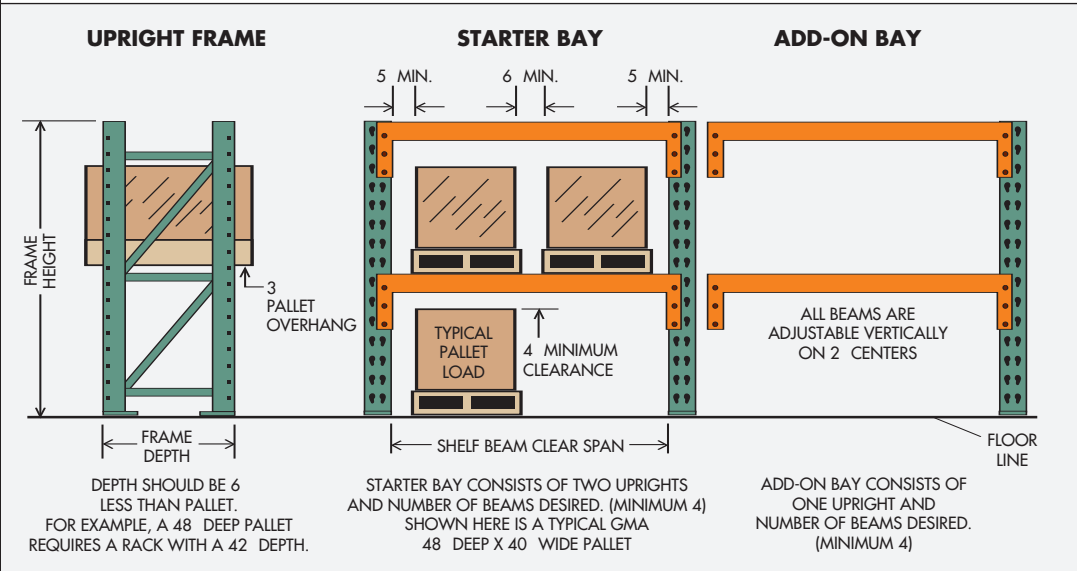
FRAME CAPACITIES (LBS.)



MAXIMUM VERTICAL BEAM SPACING*	F14 † 3 x 1 5/8 COL. 	F20 3 x 2 1/2 COL. 	F24 3 x 2 1/2 COL. 	F30 3 x 3 COL. 	F35 3 x 3 COL. 
36"	17437	23906	28005	31162	38909
42"	16400	22610	26364	29481	36692
48"	15220	21149	24530	27594	34218
54"	13937	19559	22557	25549	31556
60"	12594	17884	20502	23398	28775
66"	11232	16167	18420	21194	25948
72"	9870	14426	16332	18965	23101
78"	8683	12794	14406	16842	20448
84"	7679	11396	12771	15019	18183
90"	6827	10195	11379	13449	16243

Notes:

- Based on RMI 2002 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
- *"Spacing" is distance from floor to top of first beam level. If maximum opening is not floor level, "Spacing" is distance from top of beam to top of beam + 1".
- Applicable for non-seismic use only. Building codes may require otherwise.
- Capacities are for frame components only. Overall rack system configuration is the responsibility of others.
- Contact your Excel representative for design assistance for applications not covered by above.
- Where the bottom portion of frames are exposed to potential minor impacts from forklift trucks or moving equipment, consideration shall be given to purchasing one of the optional protection devices offered by Excel.
- † F14 Frame capacity: 4,000 lbs. max per beam level.
- Additional capacity possible with double columns - design required.



HOW TO ORDER:

BEAM LENGTH: SHELF LENGTH EQUALS THE DISTANCE BETWEEN UPRIGHTS. IT IS DETERMINED BY ADDING THE WIDTHS OF PALLET LOADS PLUS A 5" SIDE CLEARANCE BETWEEN UPRIGHT AND PALLET AND 6" BETWEEN PALLET LOADS. SHELF BEAM CAPACITIES ARE BASED ON A PAIR OF BEAMS SUPPORTING AN EVENLY DISTRIBUTED LOAD.

RACK HEIGHT: ADD THE FOLLOWING FIGURES:
 HEIGHT OF PALLET LOADS (INCLUDING PALLET)
 + HEIGHT OF SHELF BEAM
 + 4" MINIMUM VERTICAL CLEARANCE FOR EACH PALLET LOAD

 SUM OF ABOVE DIMENSIONS = RACK HEIGHT

FOR UPPERMOST LOAD LEVEL, LOCATION OF SHELF BEAM SHOULD BE 6" LESS THAN FORK TRUCK'S MAXIMUM LIFT HEIGHT.

ROLL-FORMED FRAME PART NUMBER
 (EXAMPLE: 3" x 3" x 42" x 192"/VISTA GREEN)

F	30	42	192	000	GV
ROLL-FORMED FRAME	CAPACITY MODEL	DEPTH IN INCHES	HEIGHT IN INCHES	OPTIONS	COLOR

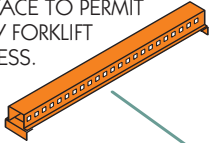
ROLL-FORMED STEP BEAM PART NUMBER
 (EXAMPLE: 4 1/8" x 96"/ULTRA ORANGE)

T	4124	096	000	OU
ROLL-FORMED STEP BEAM	HEIGHT IN INCHES	LENGTH IN INCHES	OPTIONS	COLOR

ACCESSORIES

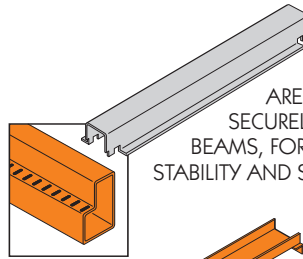
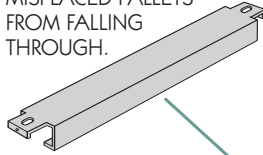
FORK ENTRY BAR

SUPPORTS NON-PALLETIZED LOADS ABOVE THE BEAM SURFACE TO PERMIT EASY FORKLIFT ACCESS.



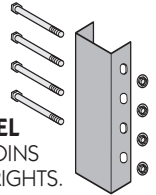
SAFETY BAR

CROSS BARS THAT ASSURE PROPER LOAD BALANCE AND PREVENT MISPLACED PALLETS FROM FALLING THROUGH.



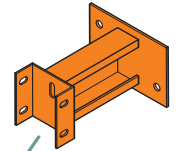
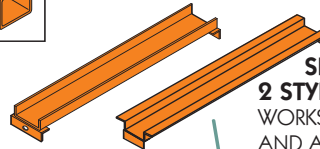
SLOTTED BEAM & TABBED SAFETY BAR
"T" SERIES TABBED SAFETY BARS ARE SPECIALLY DESIGNED TO FIT SECURELY INTO SLOTTED BEAMS, FOR ADDED STABILITY AND SAFETY.

SPLICE CHANNEL
FIRMLY JOINS TWO UPRIGHTS.

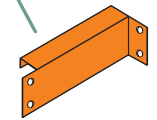


SKID CHANNEL

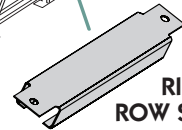
2 STYLES AVAILABLE
WORKS AS A GUIDE AND A SUPPORT FOR SKID RUNNERS.



RIGID WALL TIE
2 STYLES AVAILABLE
A RACK-TO-WALL ATTACHMENT FOR STABILITY AND CONSISTENT SPACING FROM THE WALL.



RIGID ROW SPACER
A STABILIZING CONNECTION FOR BACK-TO-BACK ROWS OF RACK.

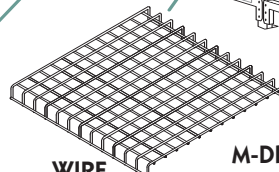


M-DIVIDER

PROVIDES SUPPORT AND DIVISION FOR DISPLAY AND STORAGE OF BOARDS, PANELING AND OTHER VERTICAL ITEMS.



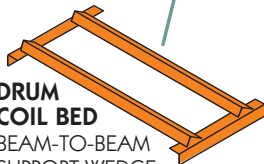
WIRE DECKING
PROVIDES FALL PROTECTION FOR SMALL ITEMS.



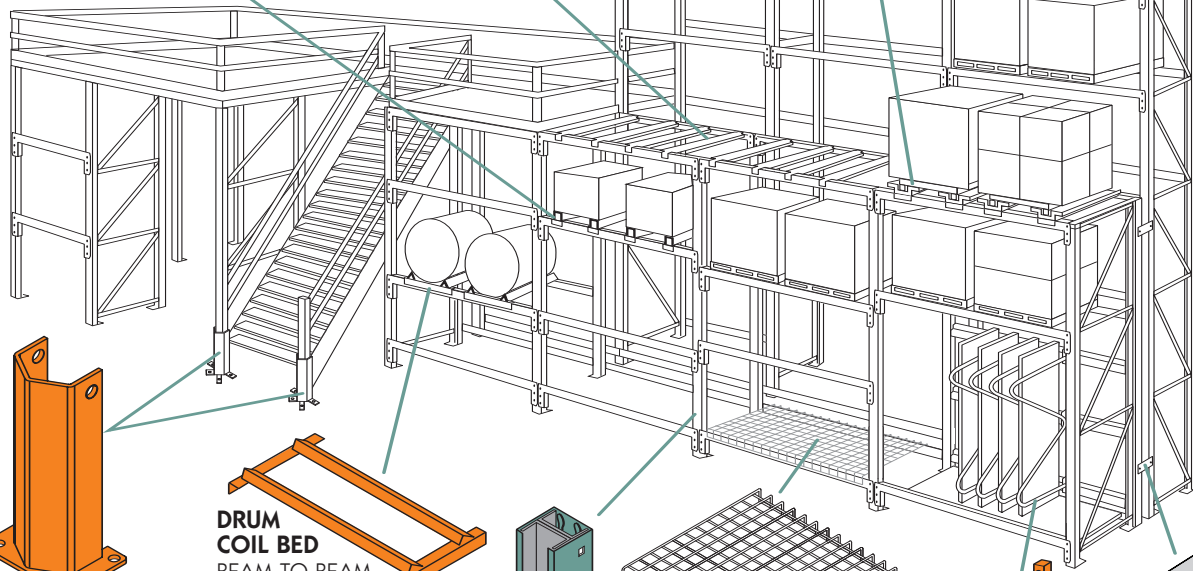
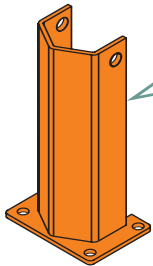
STEEL CLAD® IMPACT PANEL
FACTORY INSTALLED IN AISLE-SIDE COLUMNS TO PROTECT AGAINST FORKLIFT DAMAGE.



DRUM COIL BED
BEAM-TO-BEAM SUPPORT WEDGE FOR CYLINDRICAL CONTAINER STORAGE.



COLUMN PROTECTOR
SHIELDS THE BASE OF UPRIGHT FRAMES WITH HEAVY GAUGE, HIGH-IMPACT STEEL.



EXCEL
Storage Products LP

THE STORAGE RACK COMPANY

MANUFACTURER OF HIGH QUALITY **USP** RACK PRODUCTS:

PALLET SELECTIVE • DRIVE-IN • PUSH-BACK • DOUBLE DEEP • MARINE STORAGE • BULK STORAGE • ARCHIVE STORAGE • RETAIL DISPLAY • CARTON FLOW
PALLET FLOW • RACK-SUPPORTED CATWALKS & MEZZANINES • INSTALLATION • CUSTOM DESIGNS • ROLL-FORMED OR STRUCTURAL STEEL

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e-mail: esp@esprack.com www.esprack.com

