



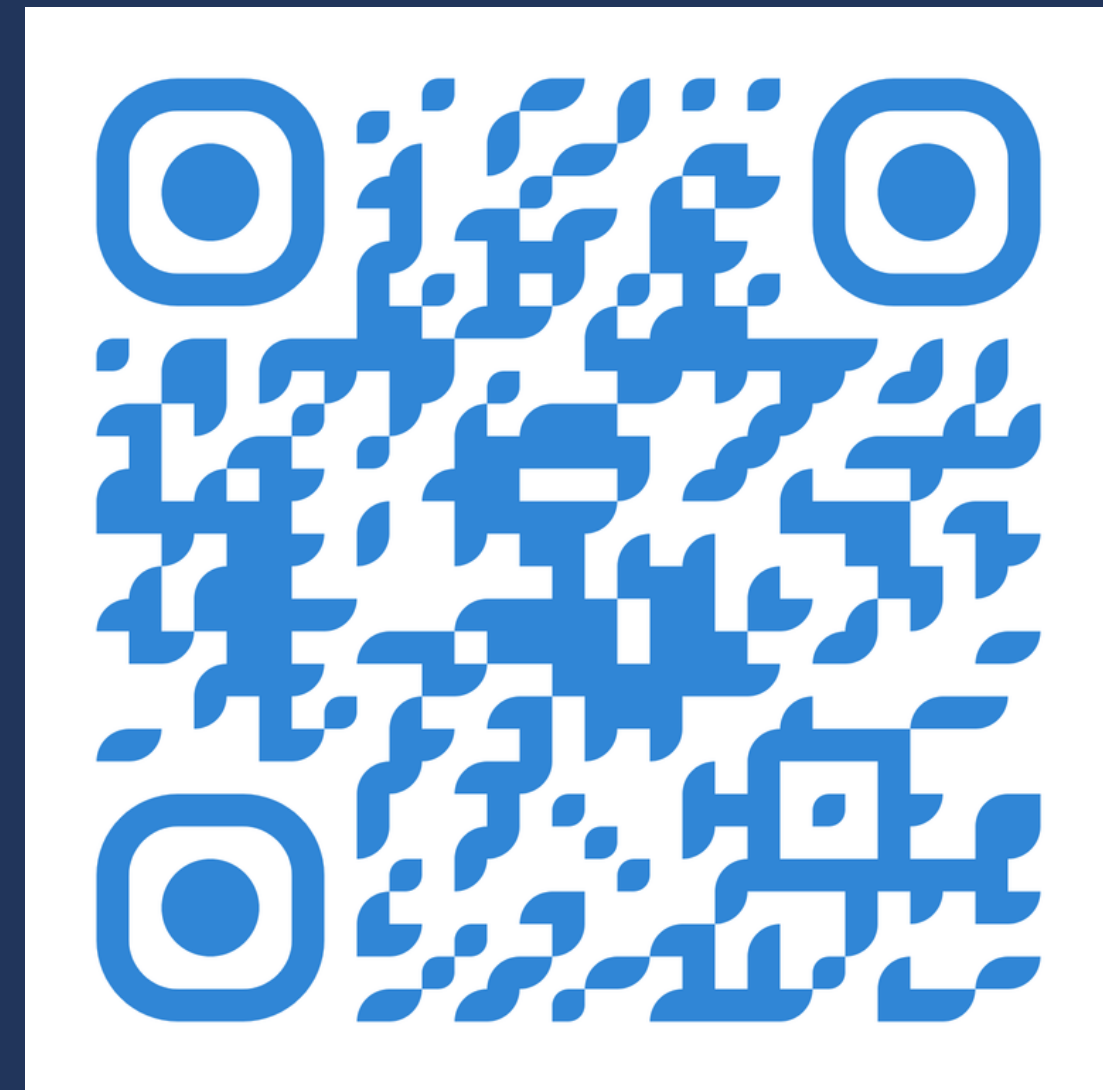
Speedrack

Where Quality and Innovation Stack Up.

DISTRIBUTOR DAYS

August 11th & 12th, 2026

Visit speedrack.net/dd/ or scan this QR Code to view the itinerary, download presentation slides, and more!



Speedrack's *Rack101 & Product Review*

Learn about Speedrack's portfolio of rack products and services. This class is great for people new to the industry/Speedrack or for folks who want a refresh on Speedrack's offerings!



Introduction



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Rack101 Topics

- Overview of Uprights & Beams
- Selective Rack
- VNA Rack
- Drive-In
- Pushback
- Drive-Thru
- Pallet Flow
- Rack Supported Modules
- Shuttle Systems
- AS/RS
- AMR



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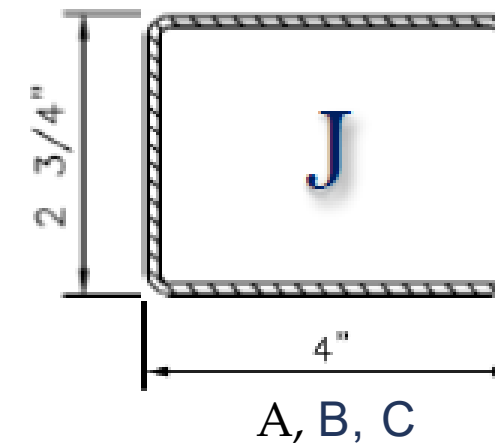
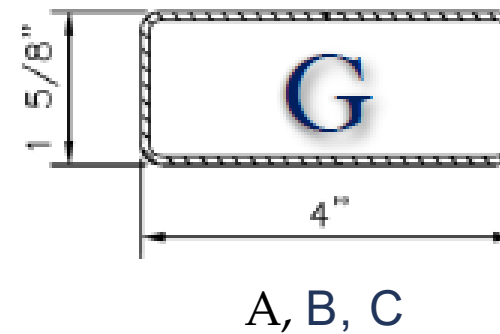
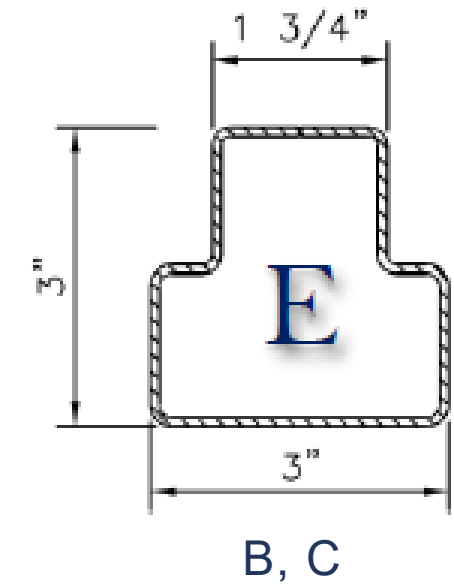
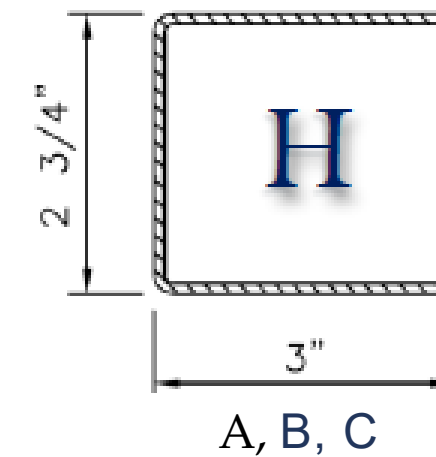
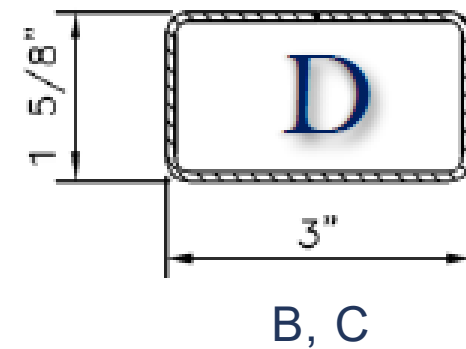
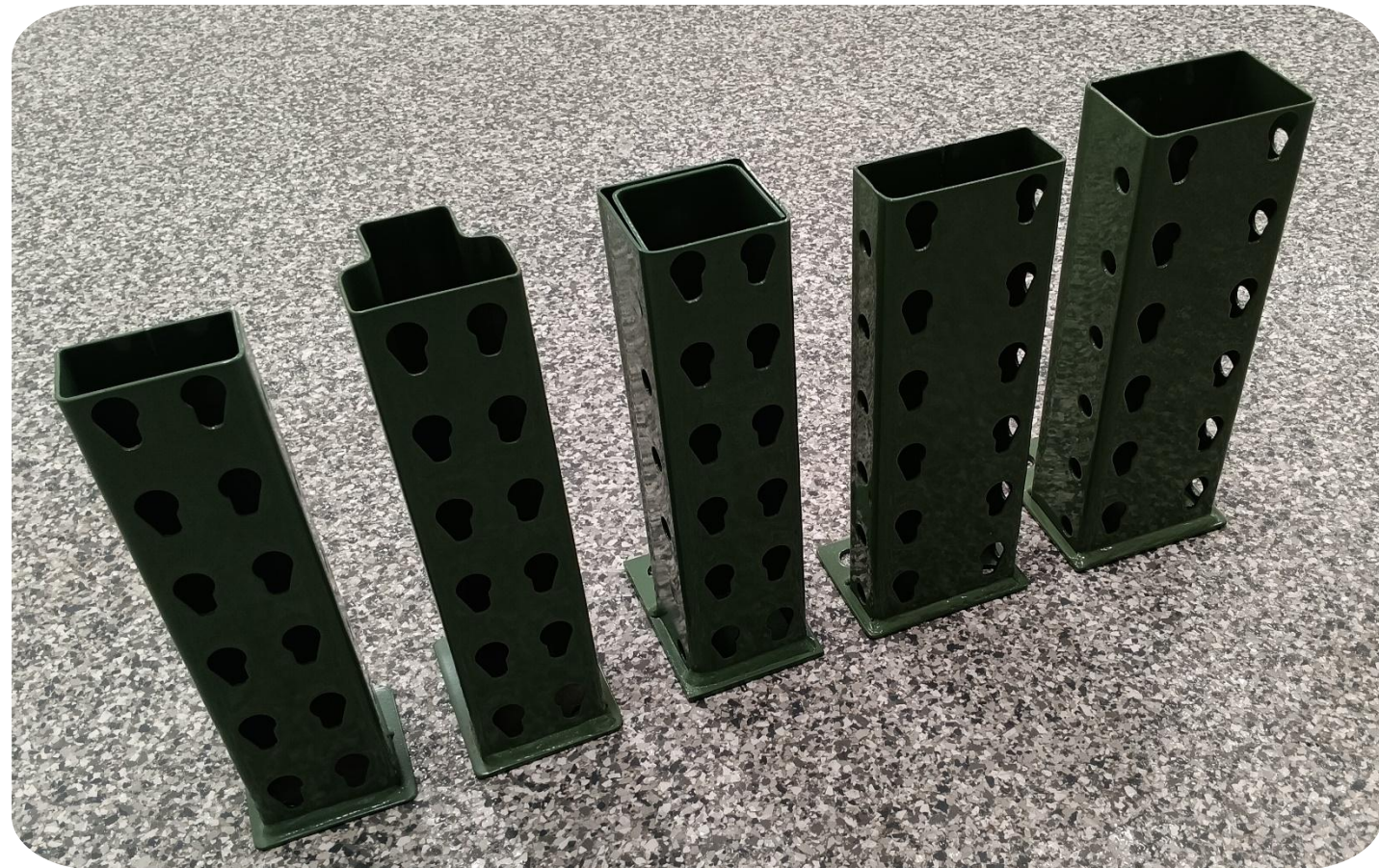
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Uprights





Roll Form Column Types



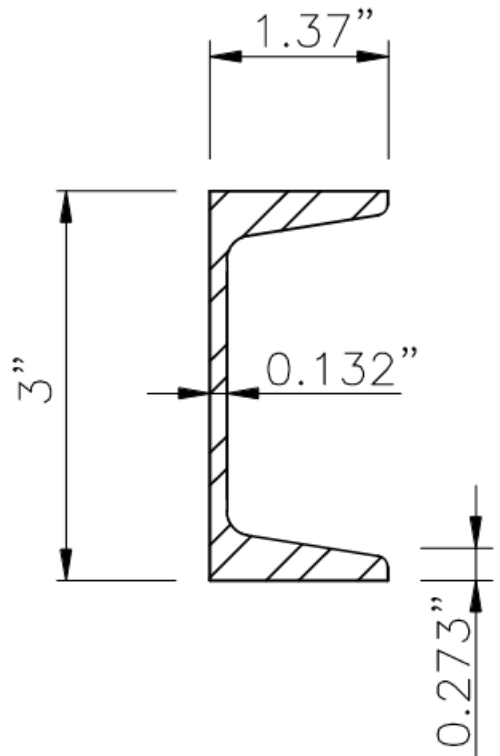
Gage Letter Index:

A = 12 GA
B = 13 GA
C = 14 GA

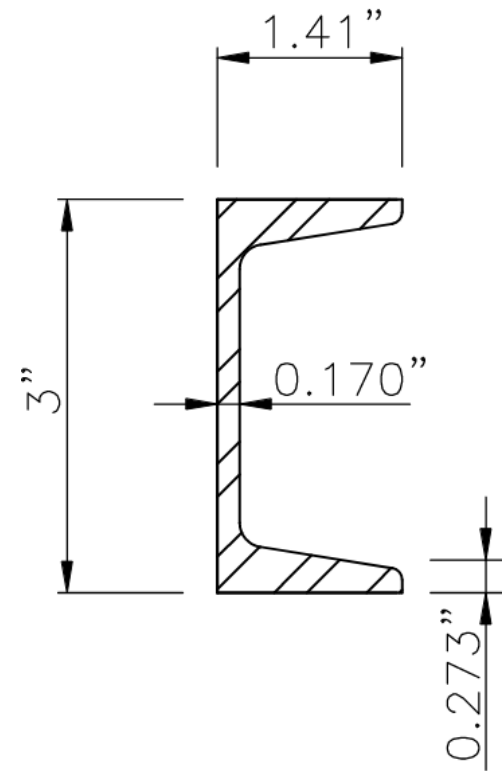
Structural Column Types



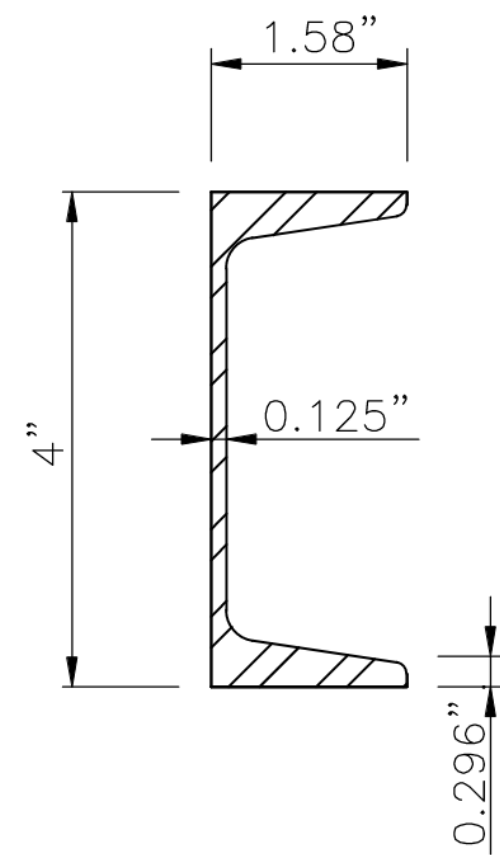
C3x3.5
(33)



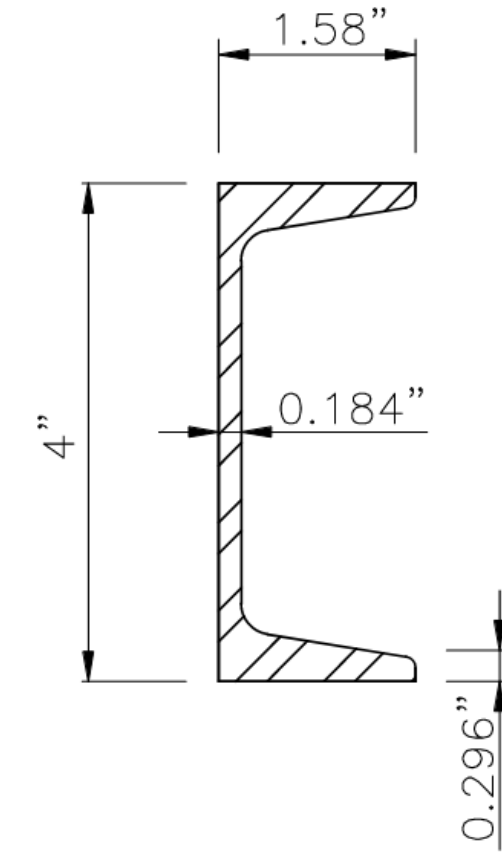
C3x4.1
(34)

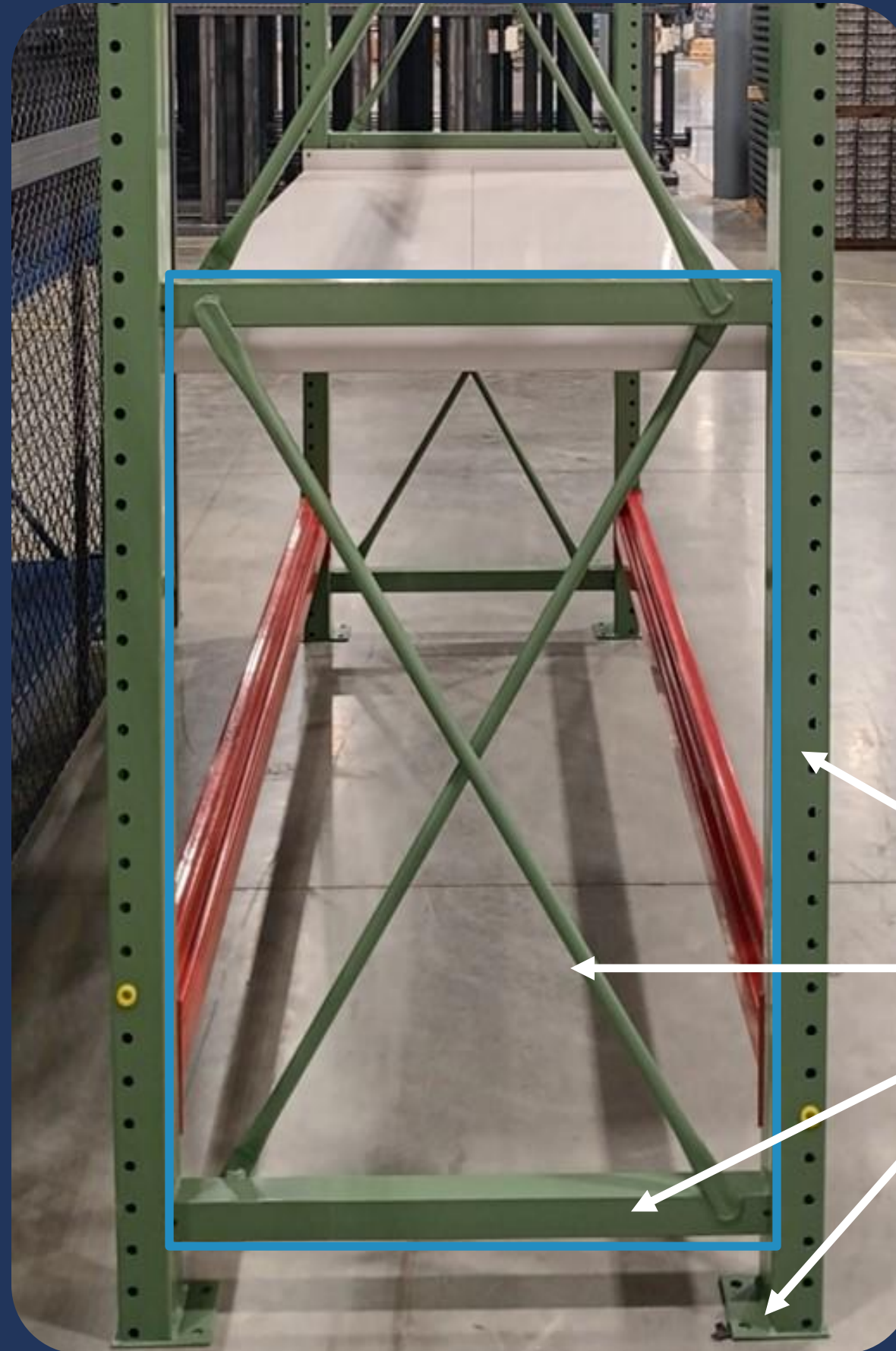


C4x4.5
(44)



C4x5.4
(45)





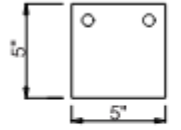
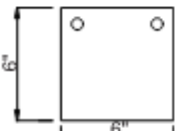
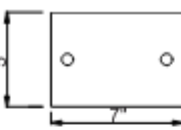
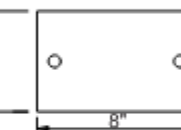
Welded Assembly Upright

Two vertical columns
Bracing Panels:

- Diagonals
- Horizontals

Baseplate at the foot

Roll Form Upright Part Numbers

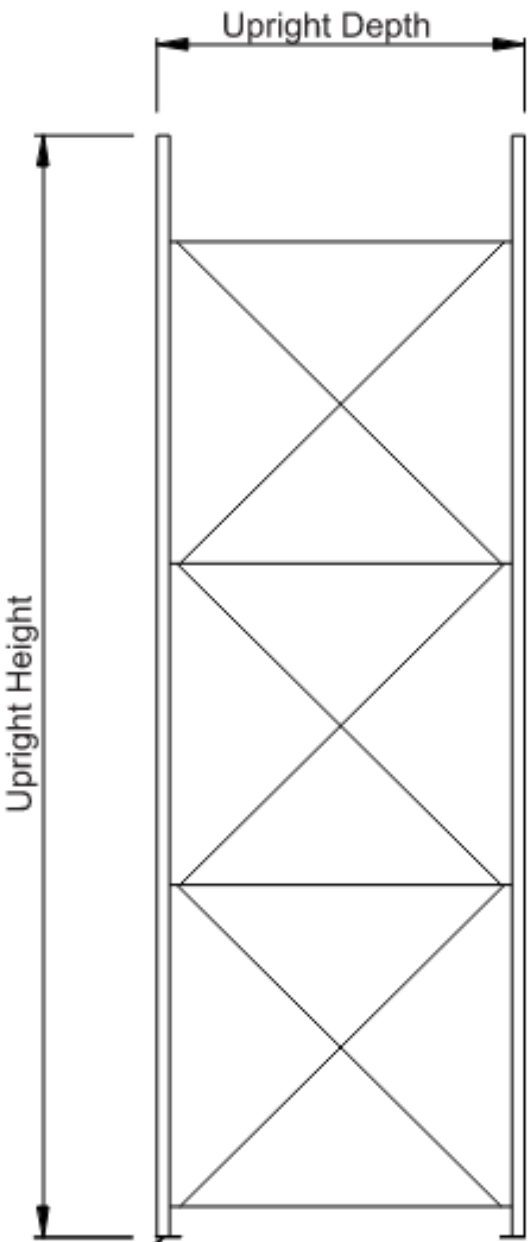
	B	BP2-50-50-25	5" W X 5" D	1/4"
	C	BP2-50-50-38	5" W X 5" D	3/8"
	D	BP2-60-60-25	6" W X 6" D	1/4"
	E	BP2-60-60-38	6" W X 6" D	3/8"
	F	BP2-50-70-25	5" W X 7" D	1/4"
	G	BP2-50-70-38	5" W X 7" D	3/8"
	H	BP2C-70-50-25	7" W X 5" D	1/4"
	J	BP2C-70-50-38	7" W X 5" D	3/8"
	K	BP2C-80-50-25	8" W X 5" D	1/4"
	L	BP2C-80-50-38	8" W X 5" D	3/8"
	M	BP2C-80-80-38	8" W X 8" D	3/8"
	N	BP2C-80-80-50	8" W X 8" D	1/2"
	P	BP4-80-80-38	8" W X 8" D	3/8"
	Q	BP4-80-80-50	8" W X 8" D	1/2"

PART NUMBER

U=Upright
T=Teardrop Column Punching
Upright Depth
(Use Ø Ø For Single Column Designation)
Upright Height

N=No Reinforcing
I=Internal Column Reinforced ("ICR") - Front Column only & Not Available with F or B Options Below
F=Front Column Reinforced ("DC" No Holes) *
B=Both Columns Reinforced ("DC" No Holes) *
* 'J' Column Upright Reinforced ("GC" No Holes)
Column Type (D, E, G, H, J)
Column Gauge (A, B, C)
T=Standard Bottom Horizontal
R=Heavy Duty Bottom Horizontal
"ICR" Height (96" Max)
Or
"DC" Reinforcing Height (120" Max)
Use Ø For No Reinforcing

Type "A"=Standard Baseplate
Type "B" Through "Q"=Heavy Duty Baseplate Options
Type "X" = No Baseplate (Use For Upright Extension. Splice Channels Sold Separately. See Page SEL-33T)
N=No Column Protector
A=Welded Column Protector Without Cap
C=Welded Column Protector With Cap (Shipped Loose)
Column Protector Height (Welded On The Same Side As Reinforcing)
A=6", B=12", C=18",
D=24", E=30", F=36",
G=42", H=48"
Use Ø For No Column Protector

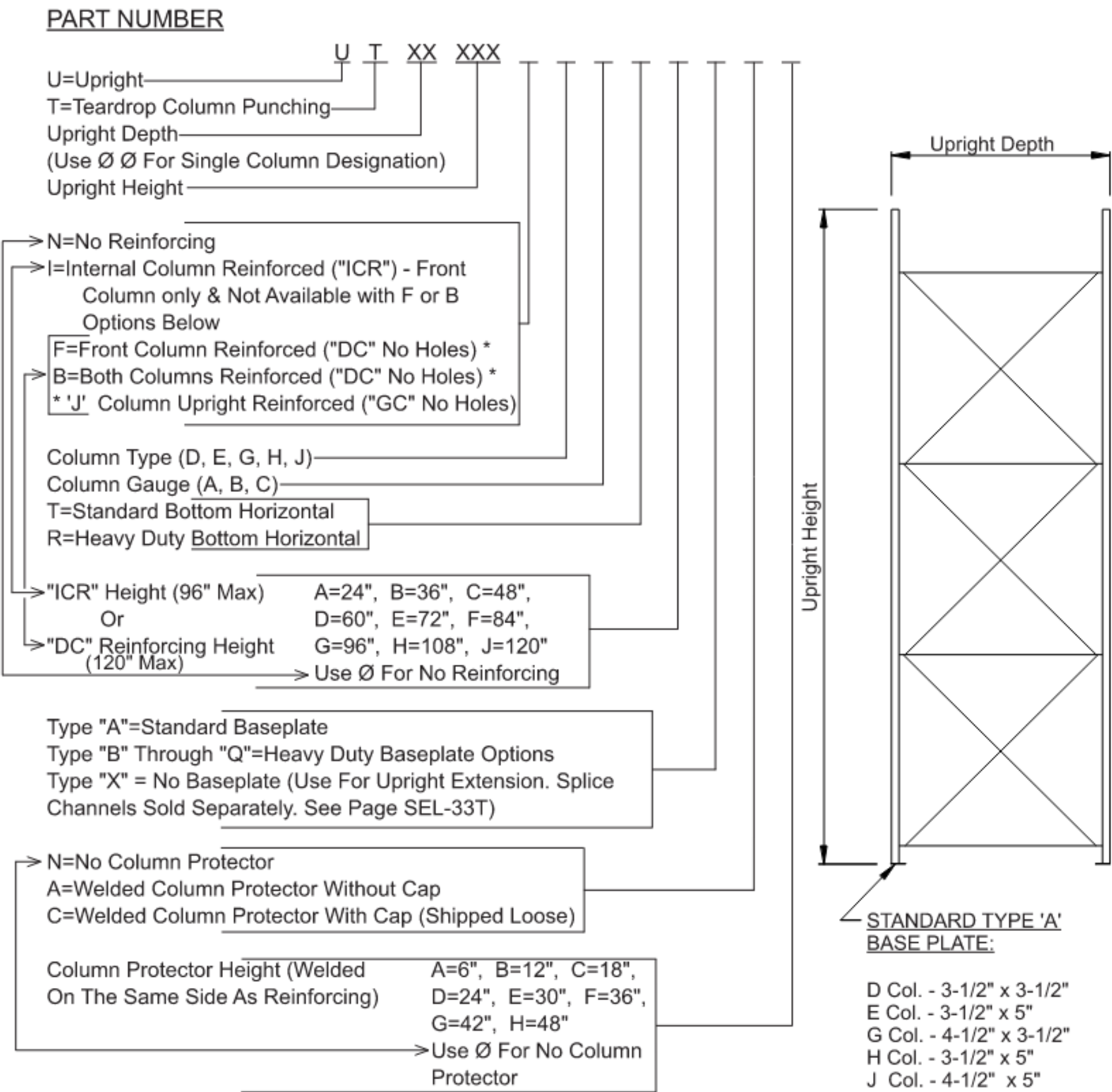


STANDARD TYPE 'A' BASE PLATE:
D Col. - 3-1/2" x 3-1/2"
E Col. - 3-1/2" x 5"
G Col. - 4-1/2" x 3-1/2"
H Col. - 3-1/2" x 5"
J Col. - 4-1/2" x 5"

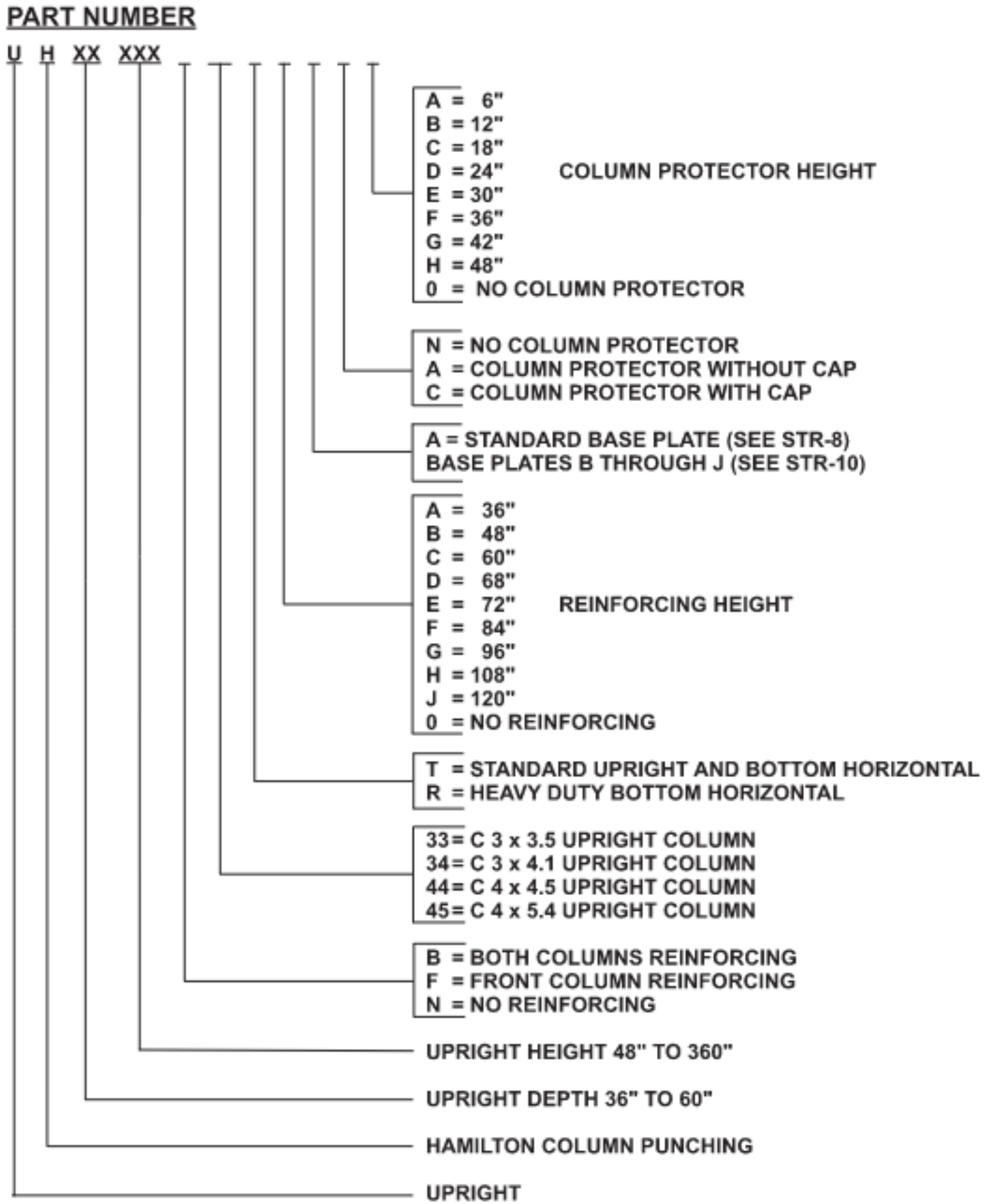
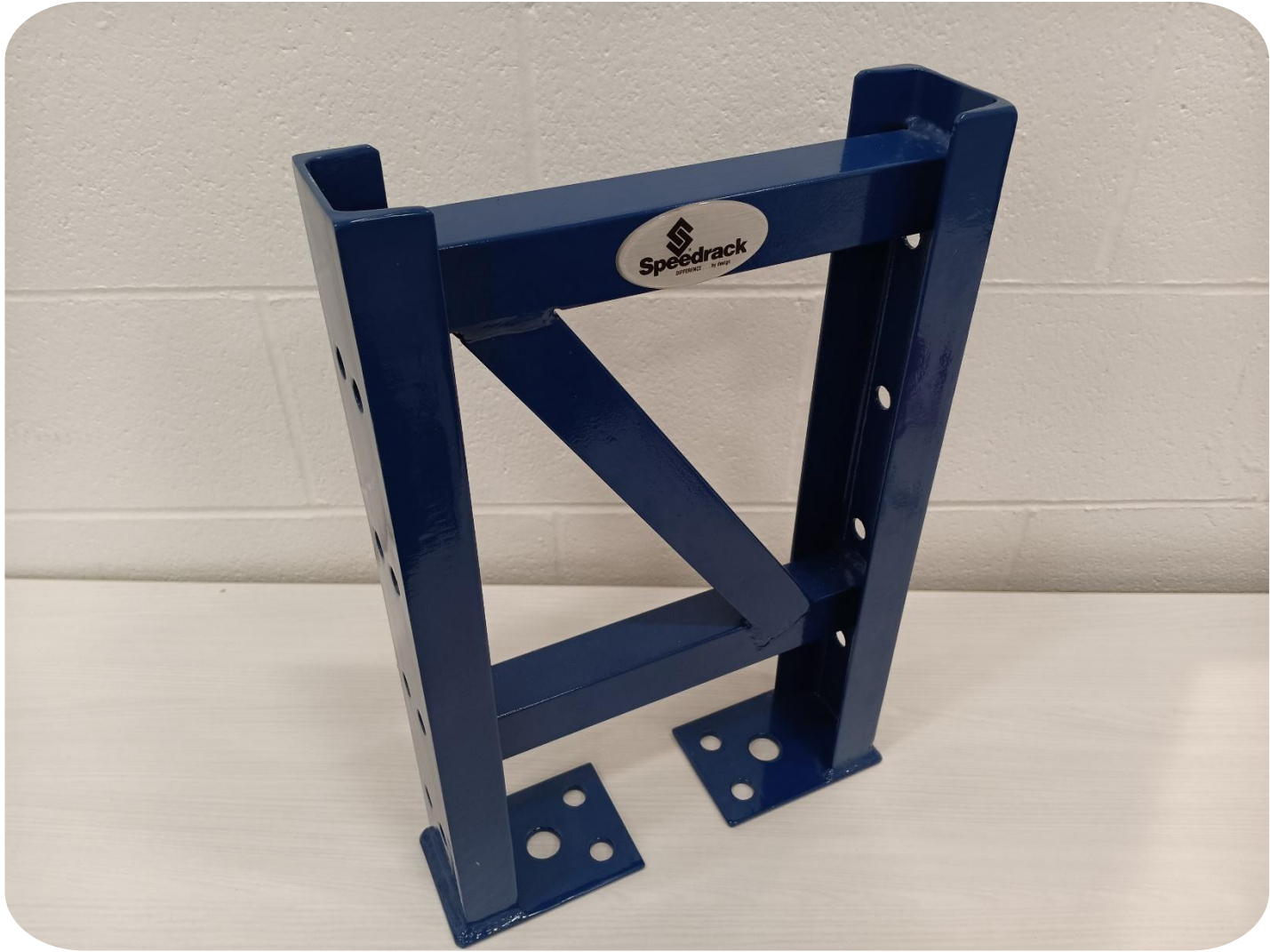
Roll Form Upright Part Numbers

Examples:

- 1. UT42192NHCT0AN0
Description: 42" x 192" Upright, 3" x 2.7" Column, 14 ga.
- 2. UT48336BJATJMN0
Description: 48" x 336" Upright, 4" x 2.7" Column, 12 ga., Both Columns Reinforced to 120", BP2C-80-80-38 Base Plate (Heavy Duty Baseplate "M")
- 3. UT54228NHBT0ACB
Description: 54" x 228" Upright, 3" x 2.7" Column, 13 ga, 12"H Welded Column Protector w/ Cap



Structural Upright Part Numbers



DUCTILE UPRIGHTS

Engineered for Seismic Performance.
Designed for Long-Term Value.



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Products Group, Ltd.



BUILT ON NEARLY 50 YEARS OF SEISMIC ENGINEERING

- Since 1976, Speedrack has engineered upright designs for demanding seismic applications.
- The Speedrack Ductile Upright features a patented Vierendeel truss design that eliminates traditional diagonal bracing.
- Its more flexible structure helps dissipate seismic energy more effectively during an earthquake.

Benefits include:

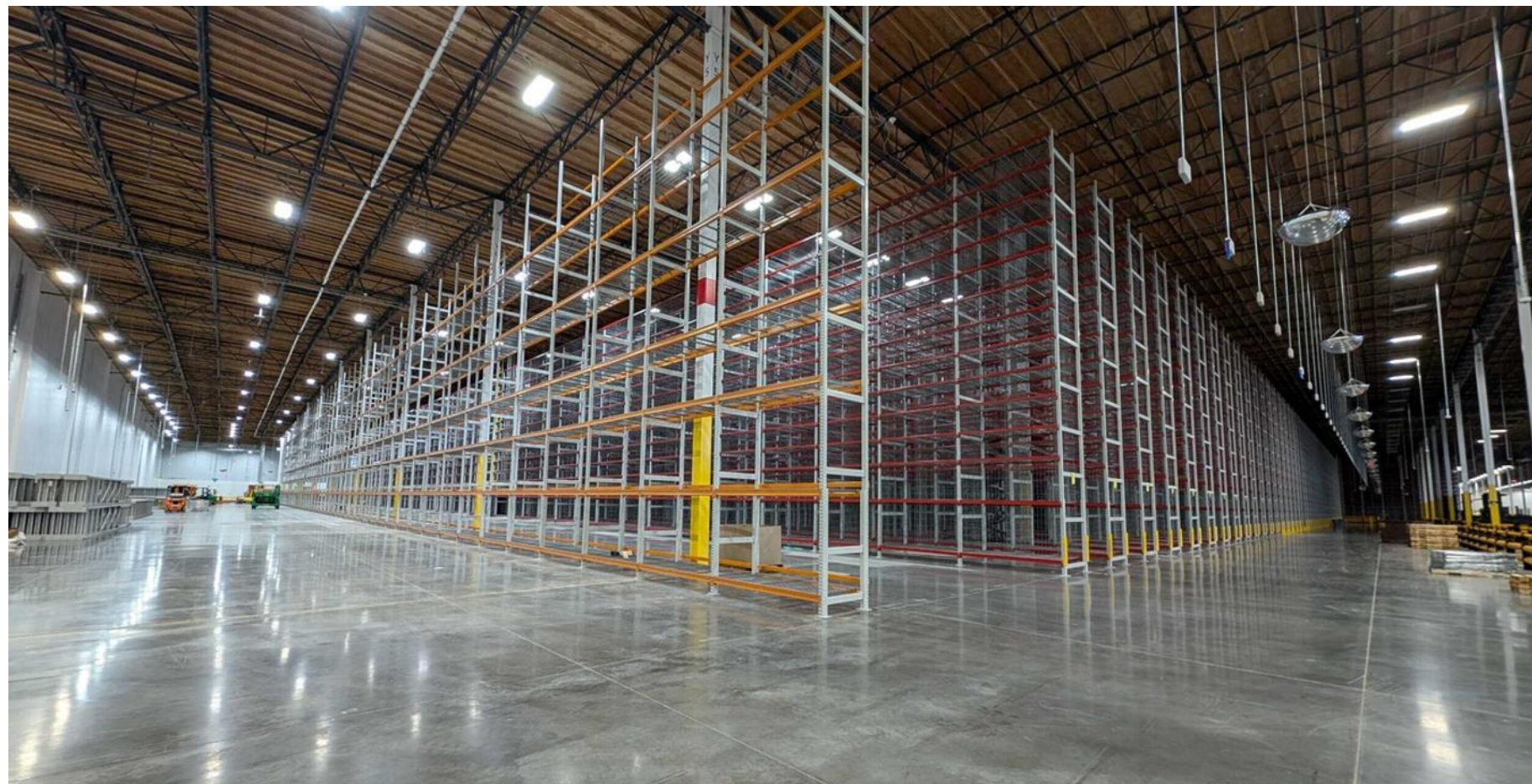
- Lower total project cost on many applications
- Reduced seismic forces
- Lower slab demands
- Improved damage resistance

Designed to perform when it matters most.



WHAT IS A DUCTILE UPRIGHT?

- ✓ Unlike Speedrack's conventional pallet rack frames that utilize diagonal bracing, Speedrack's Ductile Upright uses heavy-duty horizontal beams arranged in a Vierendeel truss configuration.
- ✓ This design allows controlled flexibility while maintaining structural integrity, helping the rack absorb and respond to seismic movement without sacrificing strength.

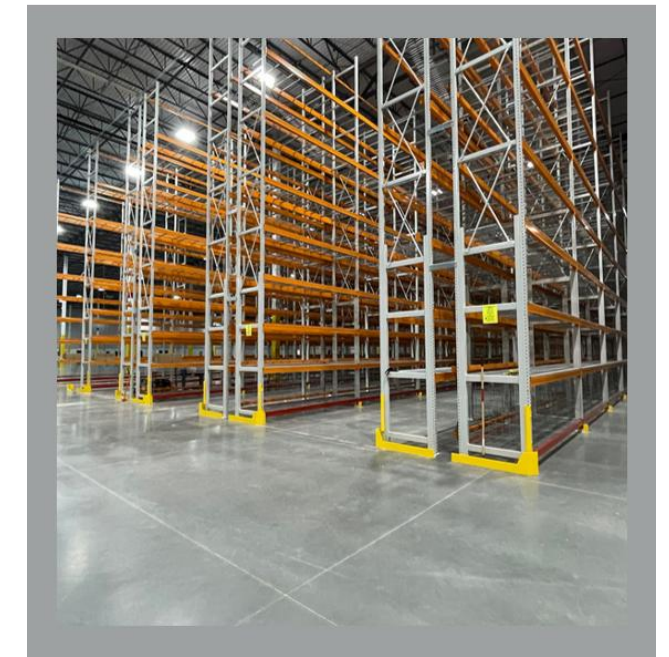


DUCTILE UPRIGHTS



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DUCTILE UPRIGHT KEY BENEFITS



- **COST-EFFECTIVE SEISMIC DESIGN**

Achieve high-seismic performance without the premium pricing of speciality seismic rack.

- **SUPERIOR DAMAGE RESISTANCE**

WITHOUT DIAGONAL BRACING, THERE ARE FEWER VULNERABLE COMPONENTS EXPOSED TO FORKLIFT IMPACTS AND OPERATIONAL DAMAGE, REDUCING TOTAL COST OF OWNERSHIP.

- **REDUCED SEISMIC FORCES**

The increased flexibility of the frame creates a longer seismic response period reducing the forces acting on the rack structure during an earthquake.

- **LOWER SLAB REQUIREMENTS**

Reduced seismic forces can translate into lower anchor and slab loading demands.

- **PROVEN ENGINEERING**

Developed using cyclic testing and advanced finite element analysis to model real-world seismic behavior.

- **CLEANER RACK DESIGN**

OPEN FRAME CONSTRUCTION CAN IMPROVE ACCESSIBILITY AND REDUCE INTERFERENCE WITH IN-RACK SPRINKLER SYSTEMS.



IDEAL APPLICATIONS

Geographic Markets

- California
- Pacific Northwest
- Alaska
- Hawaii
- Intermountain West
- Any facility located in Seismic Design Categories D, E, or F



IDEAL INDUSTRIES



- Manufacturing
 - E-Commerce Fulfillment
 - Cold Storage
 - Automated & Semi-Automated Warehouses
- Retail Distribution
 - Food & Beverage
 - 3PL & Logistics
 - Consumer Goods

WHY CHOOSE SPEEDRACK'S DUCTILE UPRIGHT?

- Engineering experience dating back to the 1970s
- Thousands of installations utilizing ductile upright concepts in high seismic areas
- Continuously refined through decades of real-world performance
- Modern seismic analysis validated through cyclic testing and finite element modeling
- Backed by Speedrack's in-house engineering team

Proven by experience. Validated by today's engineering.





Speedrack

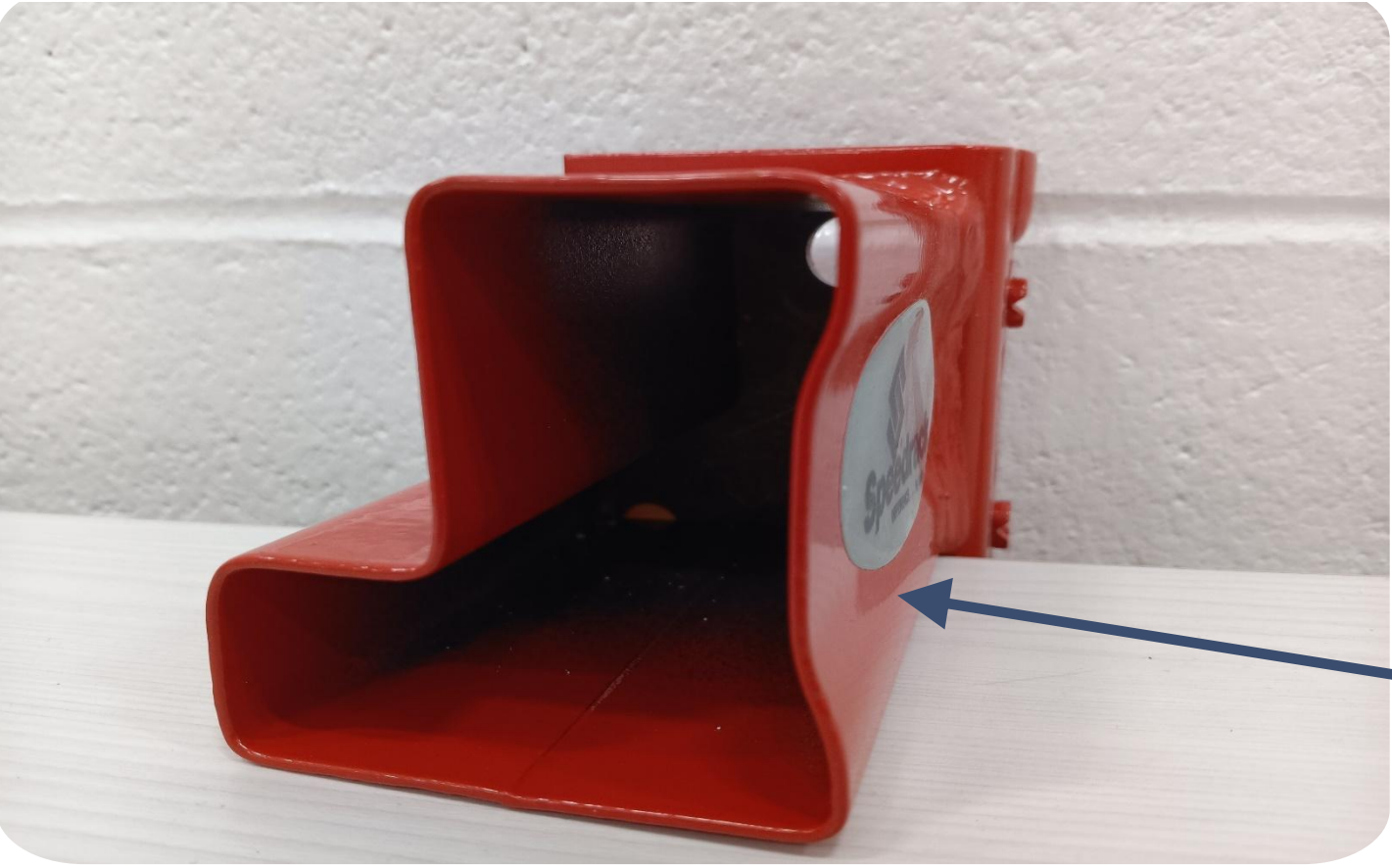
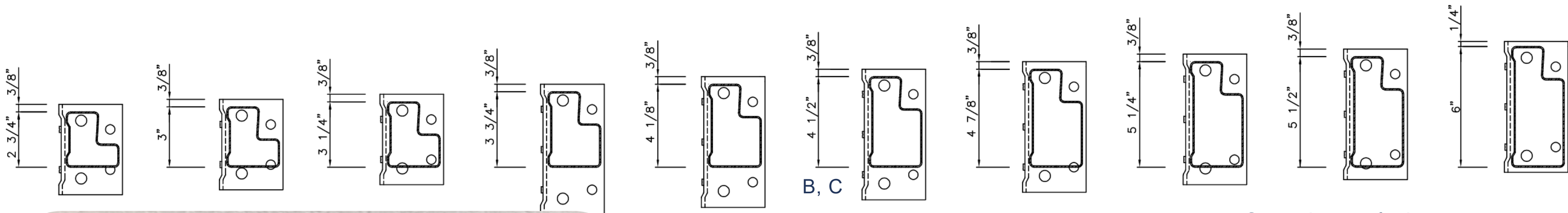
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Beams





Roll Form Beam Types



Gage Letter Index:

- D = 15 GA: All Beam Sizes
- C = 14 GA: 6" Only

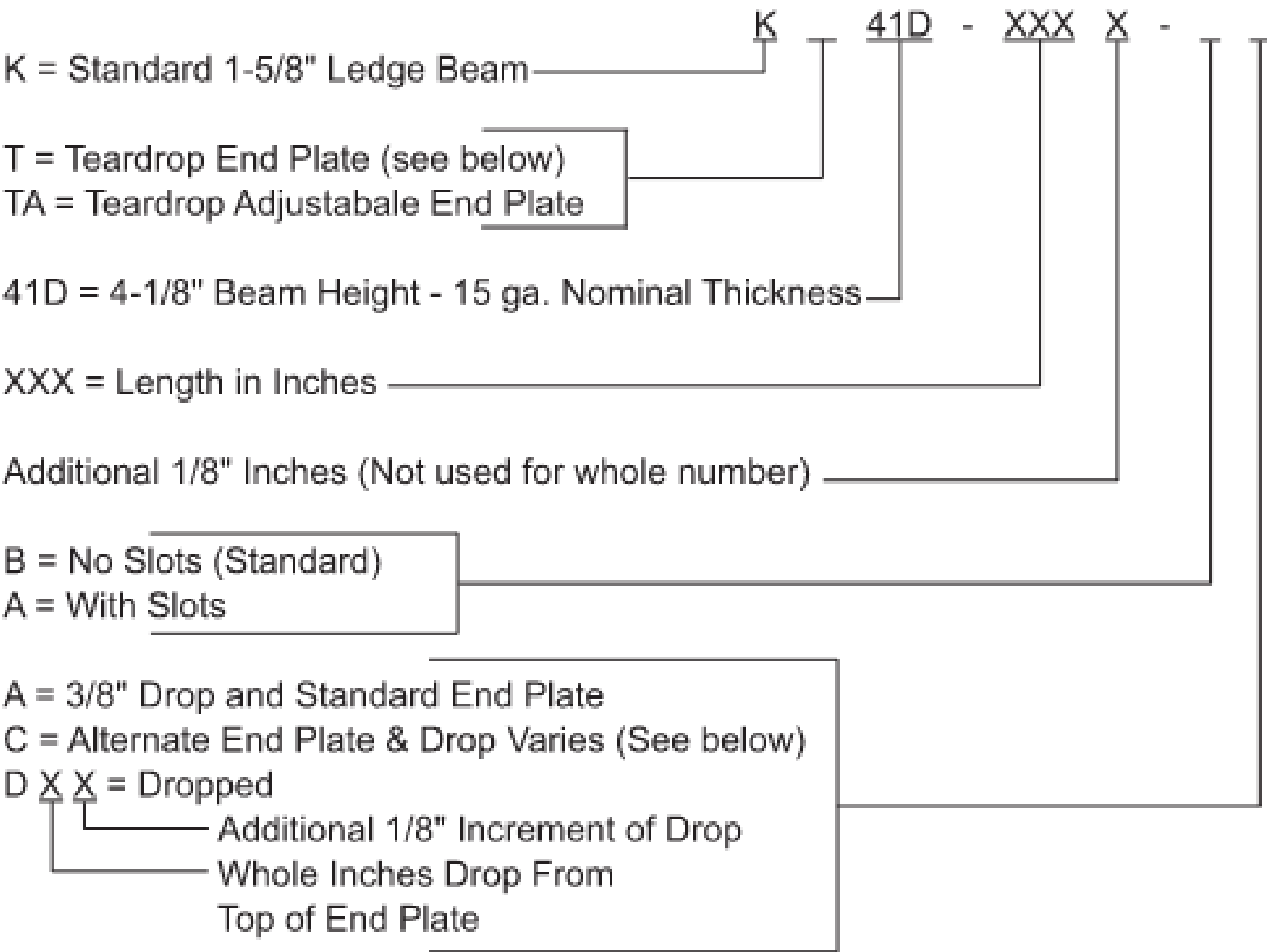
Protected Label Area

Roll Form Beam Part Numbers

Examples:

- 1. KT41D-096-BA
Description: 4-1/8”H 15 ga. Beam, 96” Long, No Slots, 6-1/2” 3-Pin Endplate, Standard Drop.
- 2. KT60D-120-AA
Description: 6”H 15 ga. Beam, 120” Long, Slotted, 6-1/2” 3-Pin Endplate, Standard Drop.
- 3. KT60C-144-BD12
Description: 6”H 14 ga. Beam, 144” Long, No Slots, 8-1/2” 4-Pin Endplate, Dropped 1-1/4”.

PART NUMBER



Standard Beam End Plates

Beam Types 26D, 30D and 32D - 4-1/2", 2-Pinned End Plate

Beam Types 36D, 41D, 44D, 47D, 52D, 54D, 60D and 60C - 6-1/2", 3-Pinned End Plate

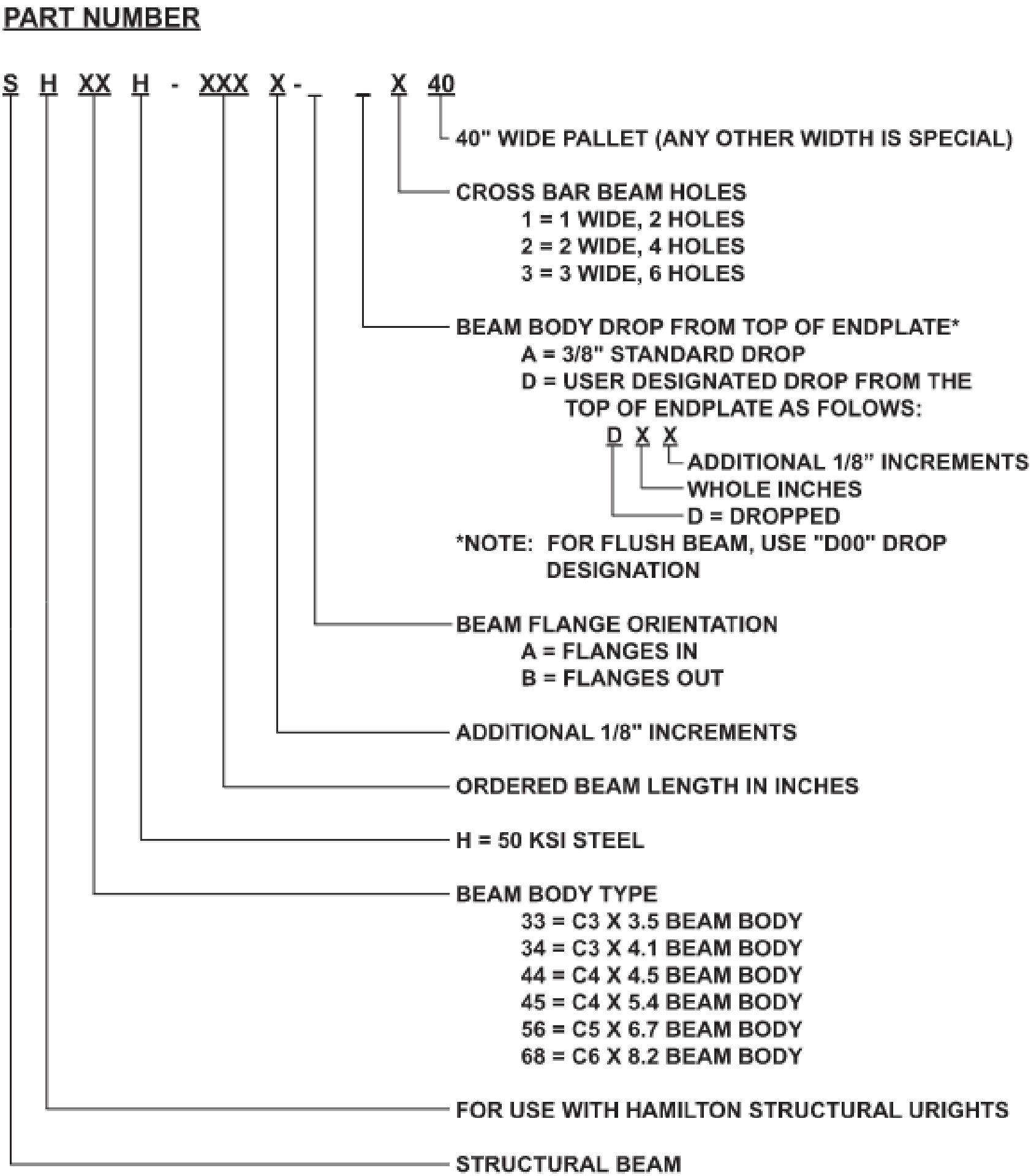
Alternate Beam End Plates

Beam Types 26D, 30D and 32D - 6-1/2", 3-Pinned End Plate

Beam Types 36D, 41D and 44D - 2-3/8" Drop and 8-1/2", 4-Pinned End Plate

Beam Types 47D, 52D, 54D, 60D and 60C - 3/8" Drop and 8-1/2", 4-Pinned End Plate

Structural Beam Part Numbers





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Selective Rack

Simplest and most common way of putting it all together.





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Standard Selective

Why choose this configuration?

- Pallet Storage
- Make use of vertical space.
- Complete selectivity. Any pallet is accessible at any time.
- Most economical choice
- Accessible with standard lift equipment



VNA Selective

(Very Narrow Aisle)

Why choose this configuration?

- Pallet Storage / Case Storage
- Just like standard selective but a more efficient use of space
- Requires a special VNA turret truck





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Higher Density LIFO Rack

Last In, First Out

- Drive-In
- Pushback



Drive-In

Why choose this configuration?

- Pallet Storage
- Less selectivity but greater density than selective
- Great option for few SKU's
- Accessible with standard lift equipment



Pushback



Why choose this configuration?

- Pallet Storage
- Much like drive-in, but only access the first pallet position
- Accessible with standard lift equipment



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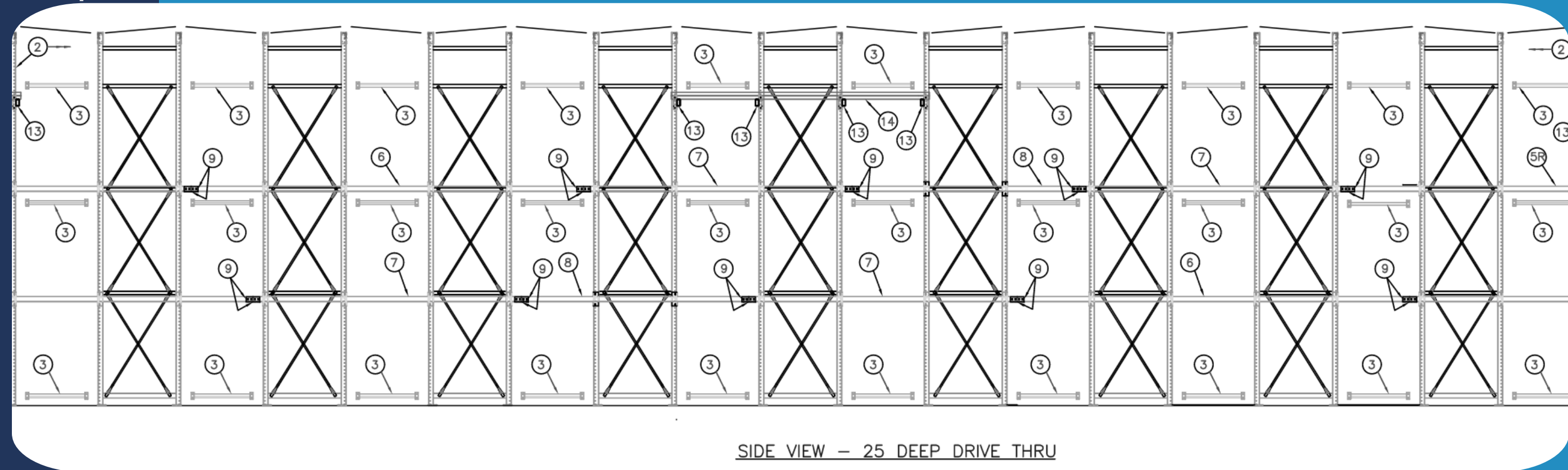
Higher Density FIFO Rack

First in, First Out

- Drive-Thru
- Pallet Flow



Drive-Thru



Why choose this configuration?

- Very high density storage
- Just like drive-in, but keep going!
- Accessible with standard lift equipment

Pallet Flow



Why choose this configuration?

- Very high-density storage
- Much like drive-through, but only access the first and last pallet position
- Only access two pallet positions
- Accessible with standard lift equipment



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Rack Supported Modules

Just uprights and beams... right?





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Modules

Why choose this configuration?

- Modular!
- Distribution / Direct-to-consumer
- E-commerce / Order Fulfillment



Modules

Amazon, Walmart, Target, Circle K,
American Eagle, Medline, QVC,
TJ Maxx, Ford, Discount Tire, etc





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KK
6 6



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Automation

Make the robot do it.

- Shuttle Systems
- AS/RS Systems
- AMR Systems



Shuttle Rack

Why choose this configuration?

- Comparable to Pushback / Pallet Flow
- Can be FIFO or LIFO
- Can set flue space between Pallets
- Accessible with standard lift equipment



AS / RS

(Automated Sort / Retrieval System)

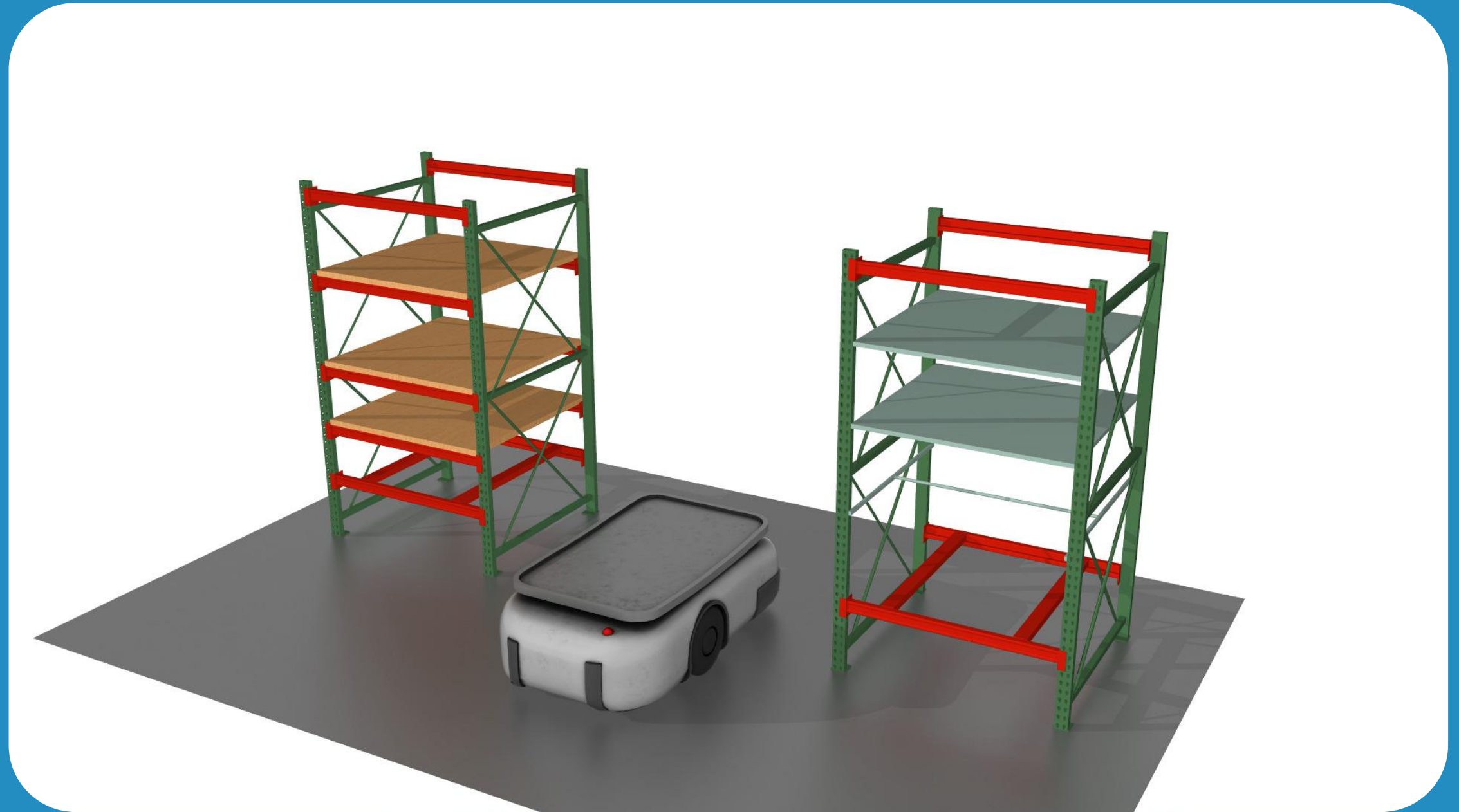
Why choose this configuration?

- High Volume, High Density
- Direct-to-consumer
- E-commerce / Order Fulfillment



AMR

(Autonomous Mobile Robot)



Why choose this configuration?

- Much like AS/RS and works well with AS/RS
- Brings goods to picker
- E-commerce / Order Fulfillment



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Thank You!

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