

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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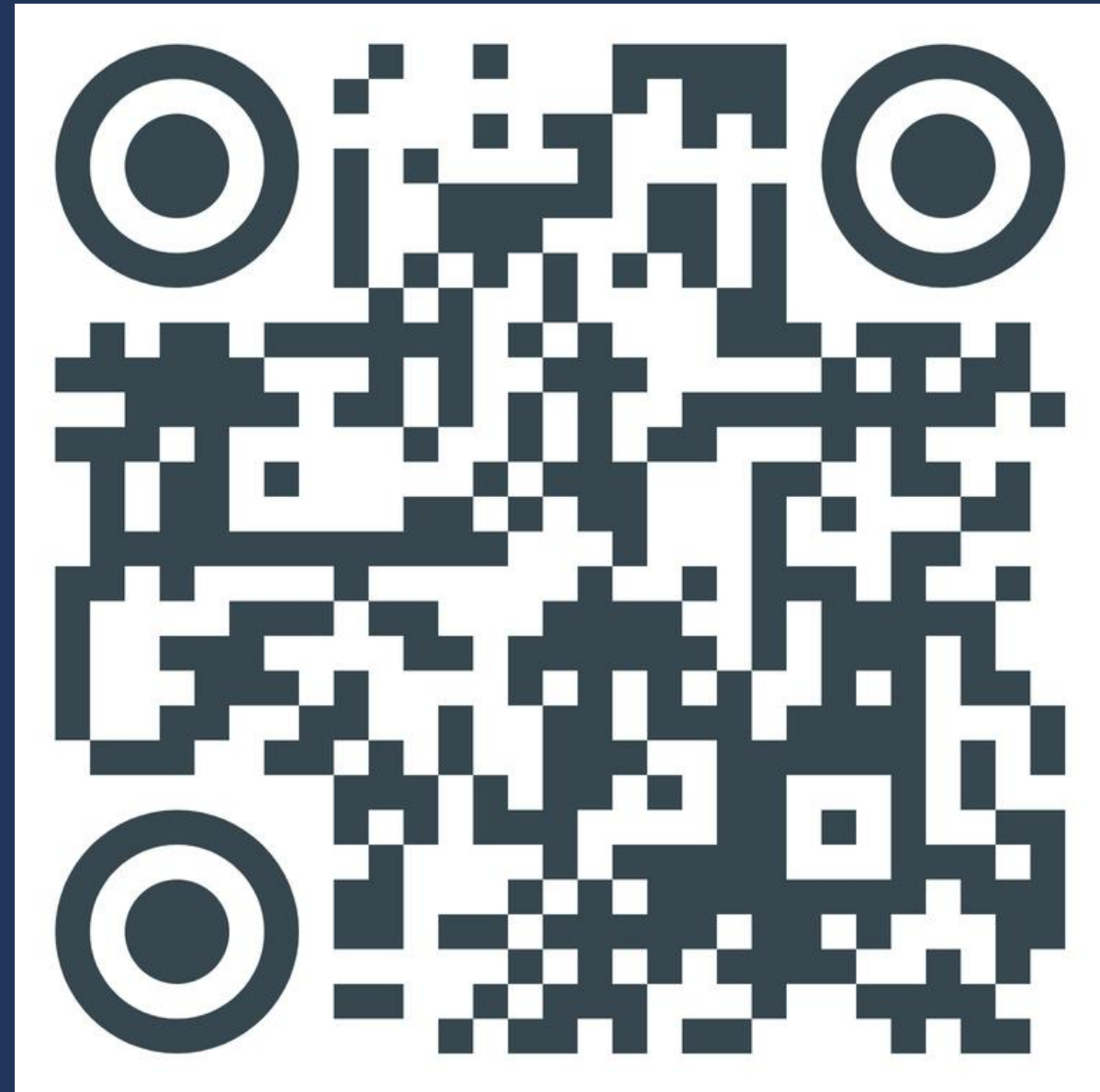
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Where Quality and Innovation Stack Up.

DISTRIBUTOR DAYS

Monday July 21st, 2025

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



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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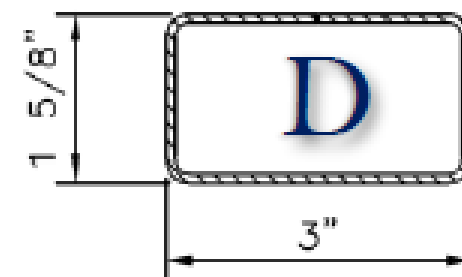
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Uprights

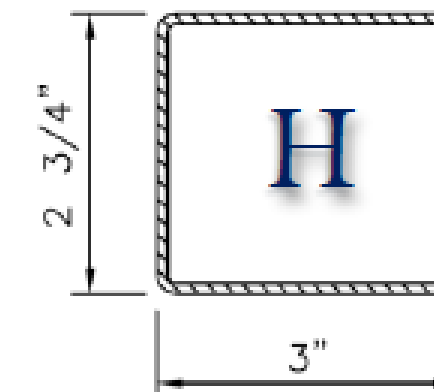




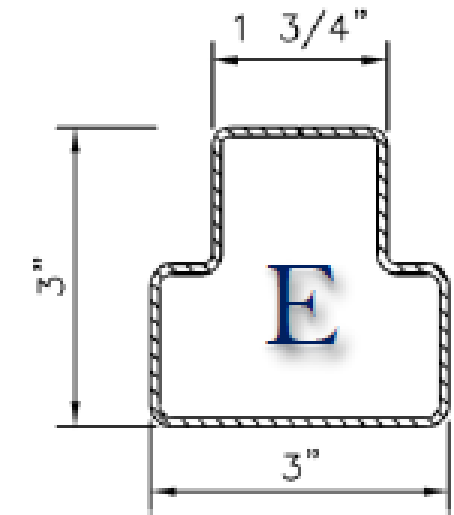
Roll Form Column Types



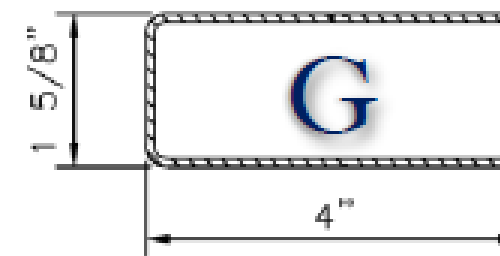
B, C



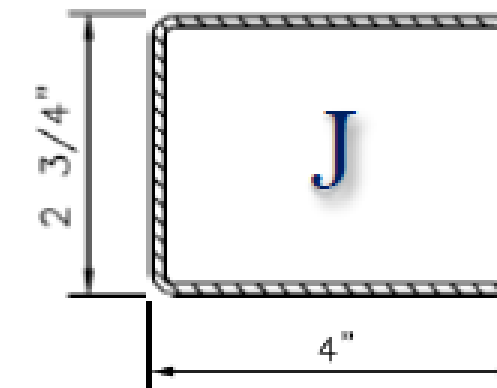
A, B, C



B, C



A, B, C



A, B, C

Gage Letter Index:

A = 12 GA

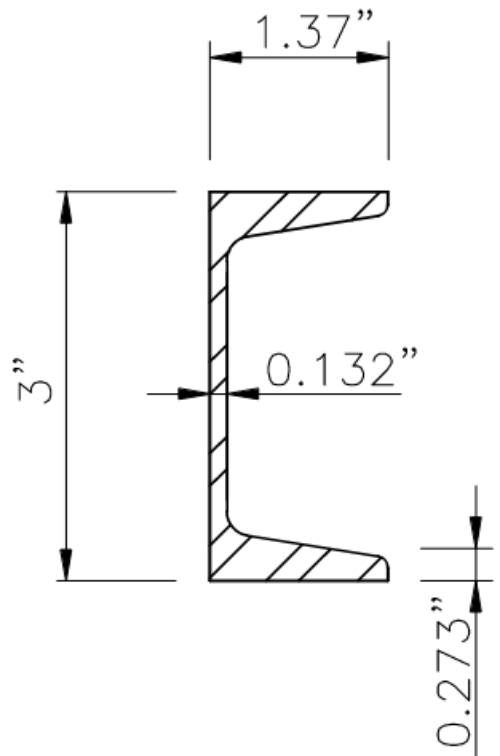
B = 13 GA

C = 14 GA

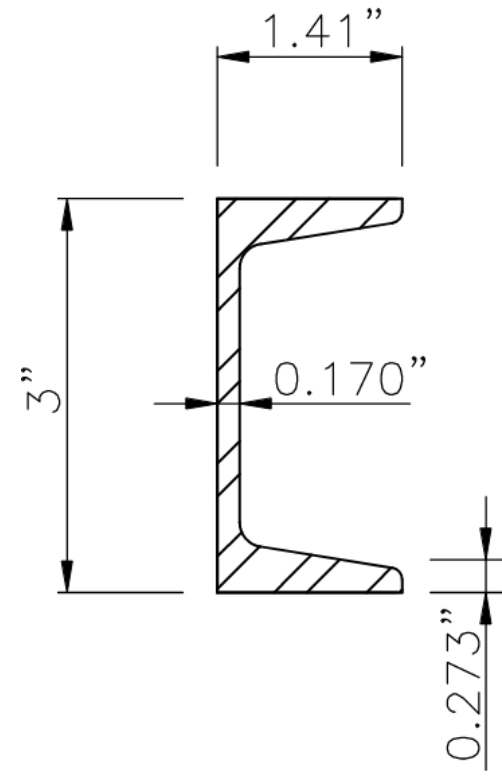
Structural Column Types



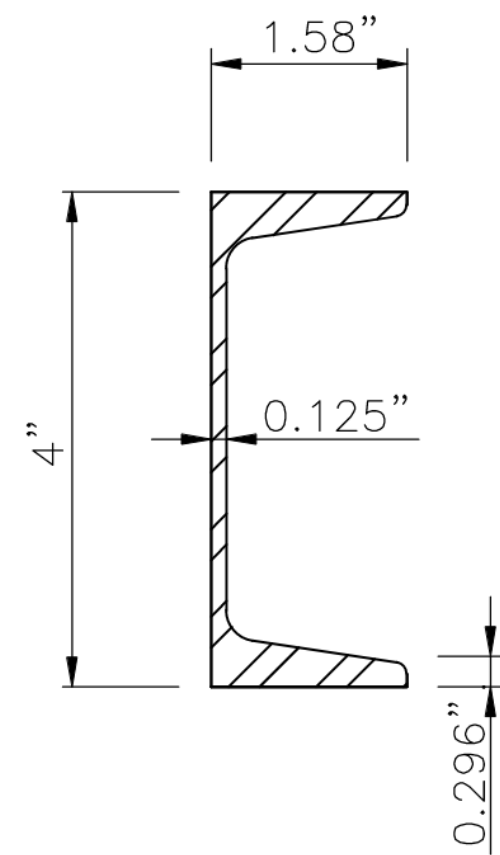
C3x3.5
(33)



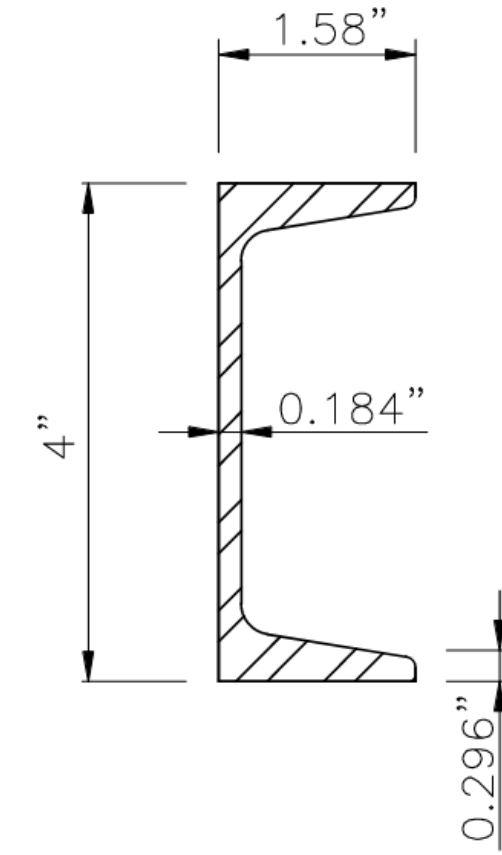
C3x4.1
(34)



C4x4.5
(44)



C4x5.4
(45)





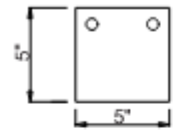
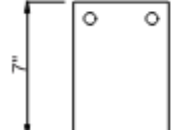
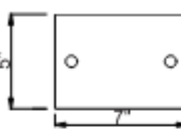
Welded Assembly Upright

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"

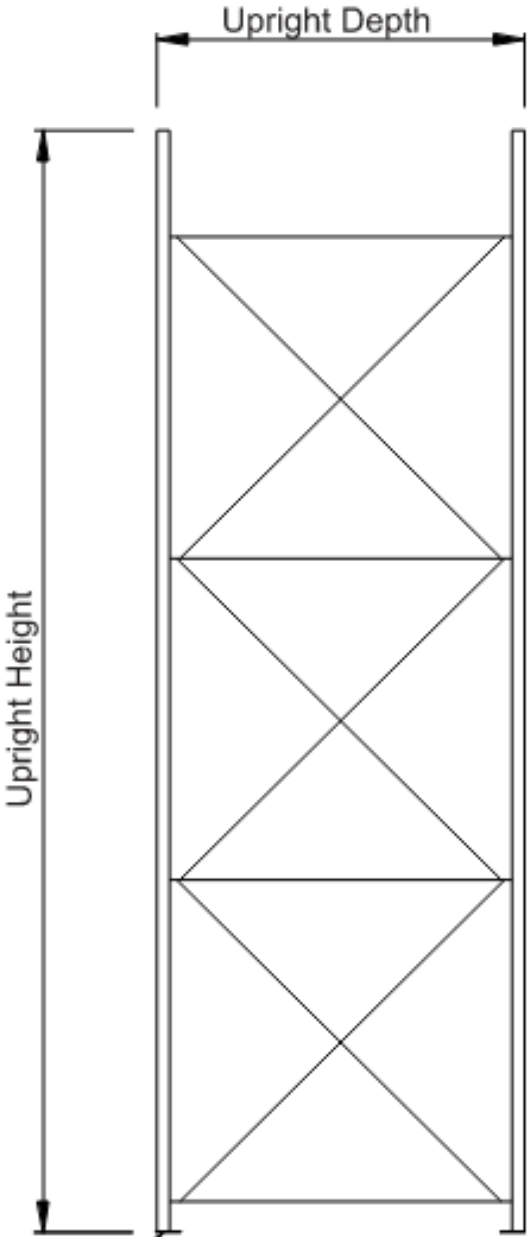
PART NUMBER

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

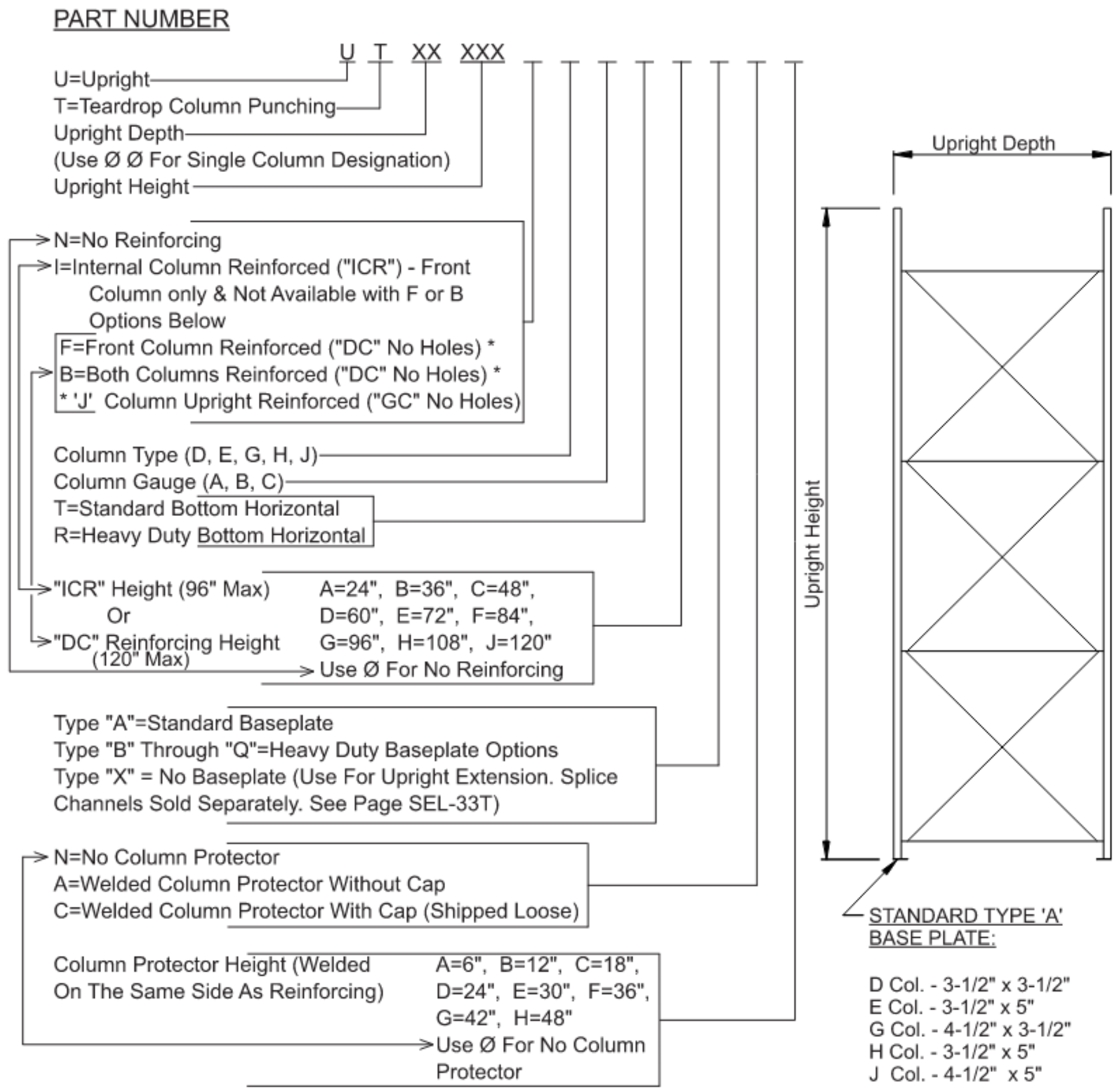


STANDARD TYPE 'A' BASE PLATE:
D Col. - 3-1/2" x 3-1/2"
E Col. - 3-1/2" x 5"
G Col. - 4-1/2" x 3-1/2"
H Col. - 3-1/2" x 5"
J Col. - 4-1/2" x 5"

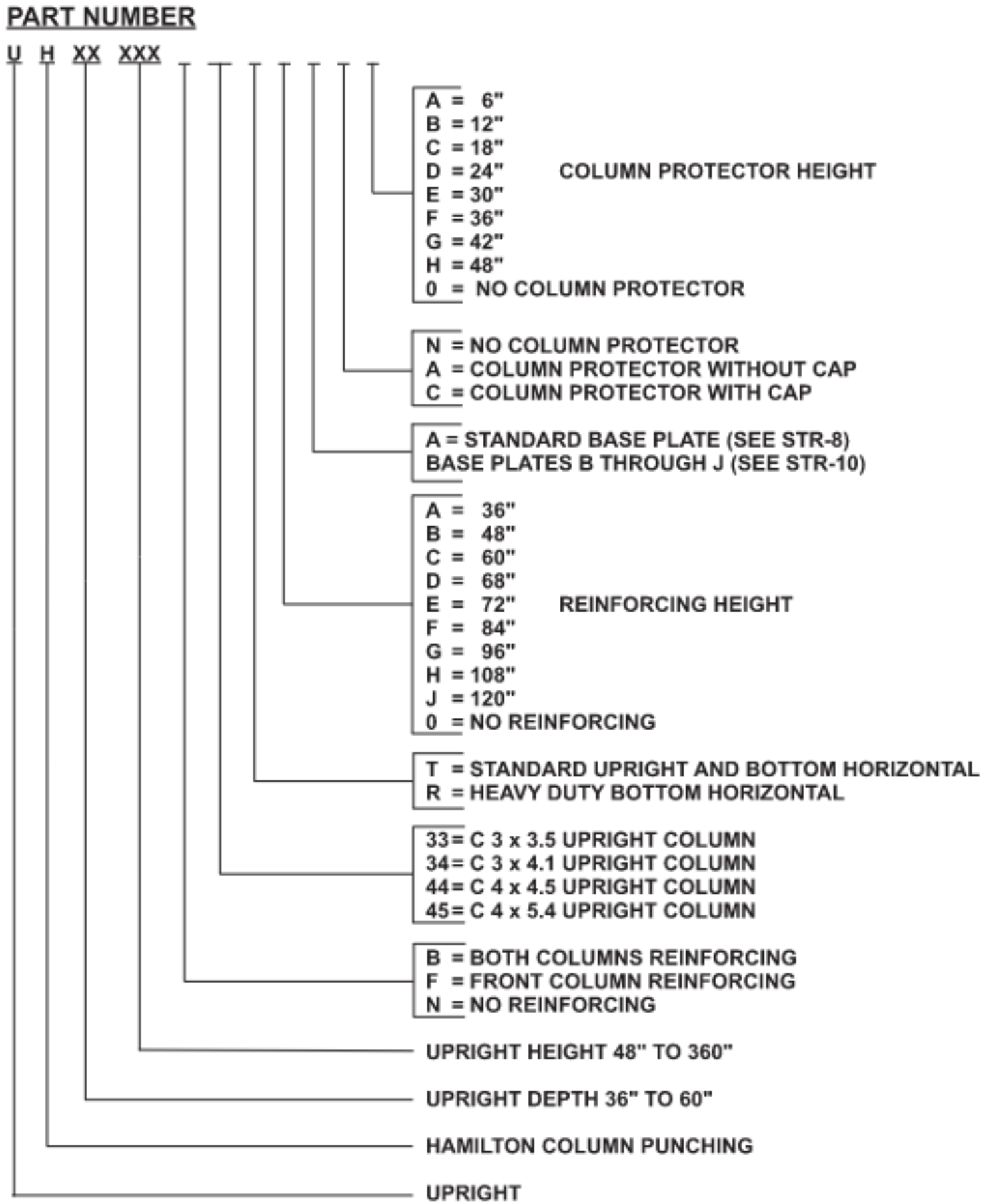
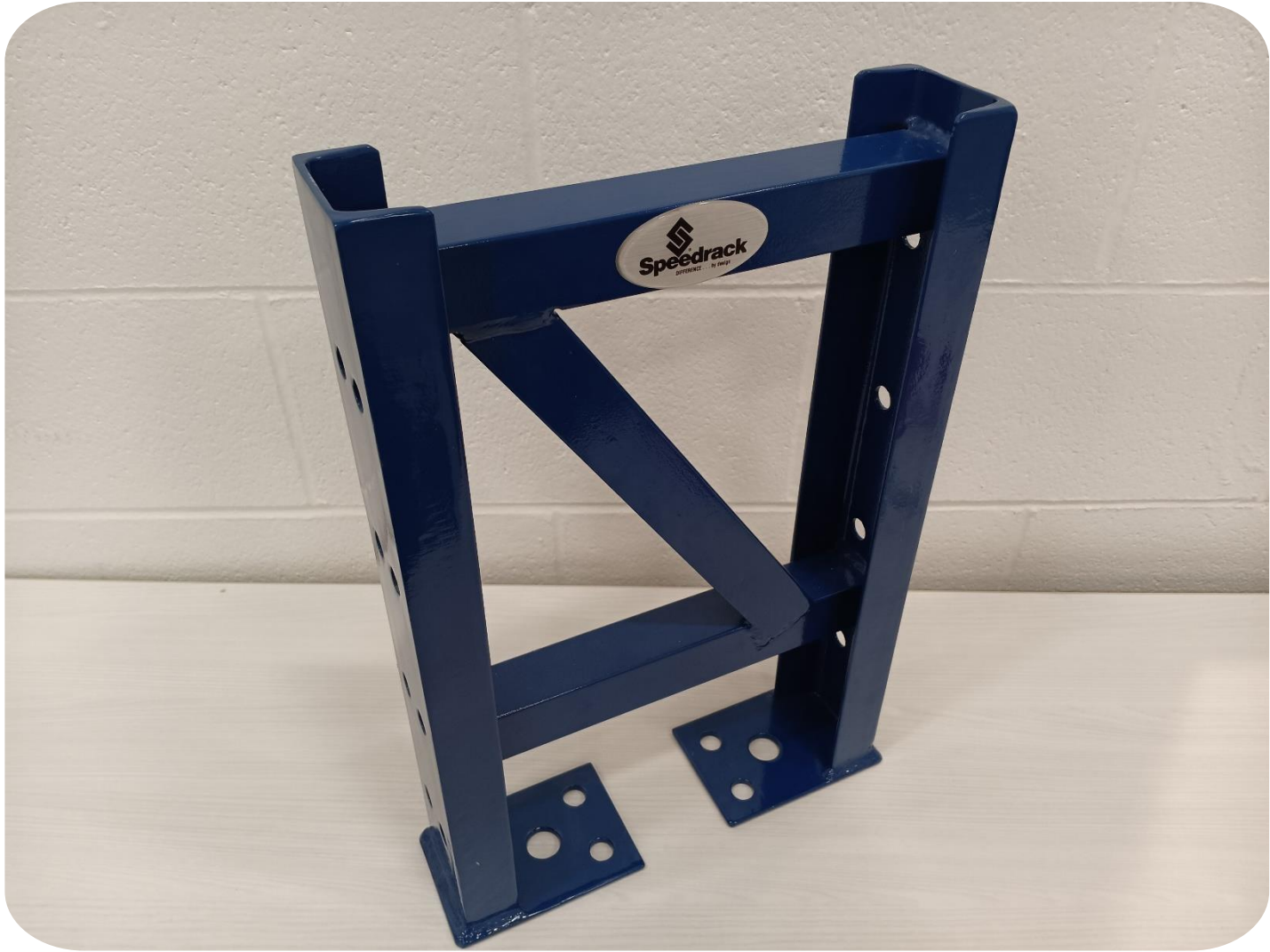
Roll Form Upright Part Numbers

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-80-70-38 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





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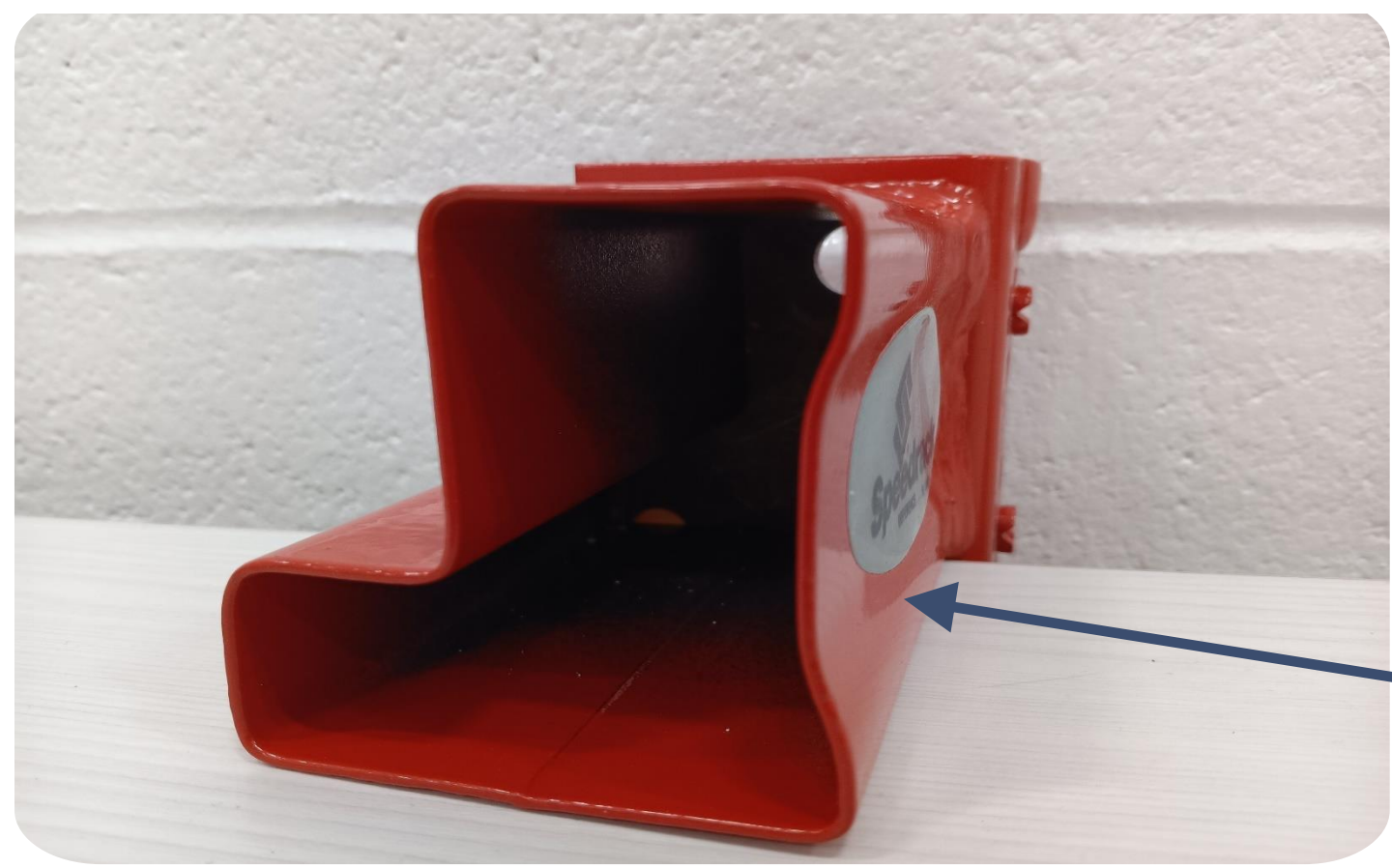
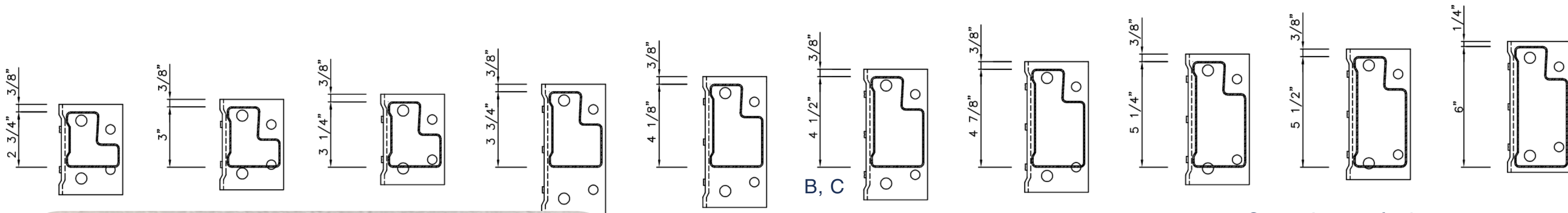
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Beams





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.

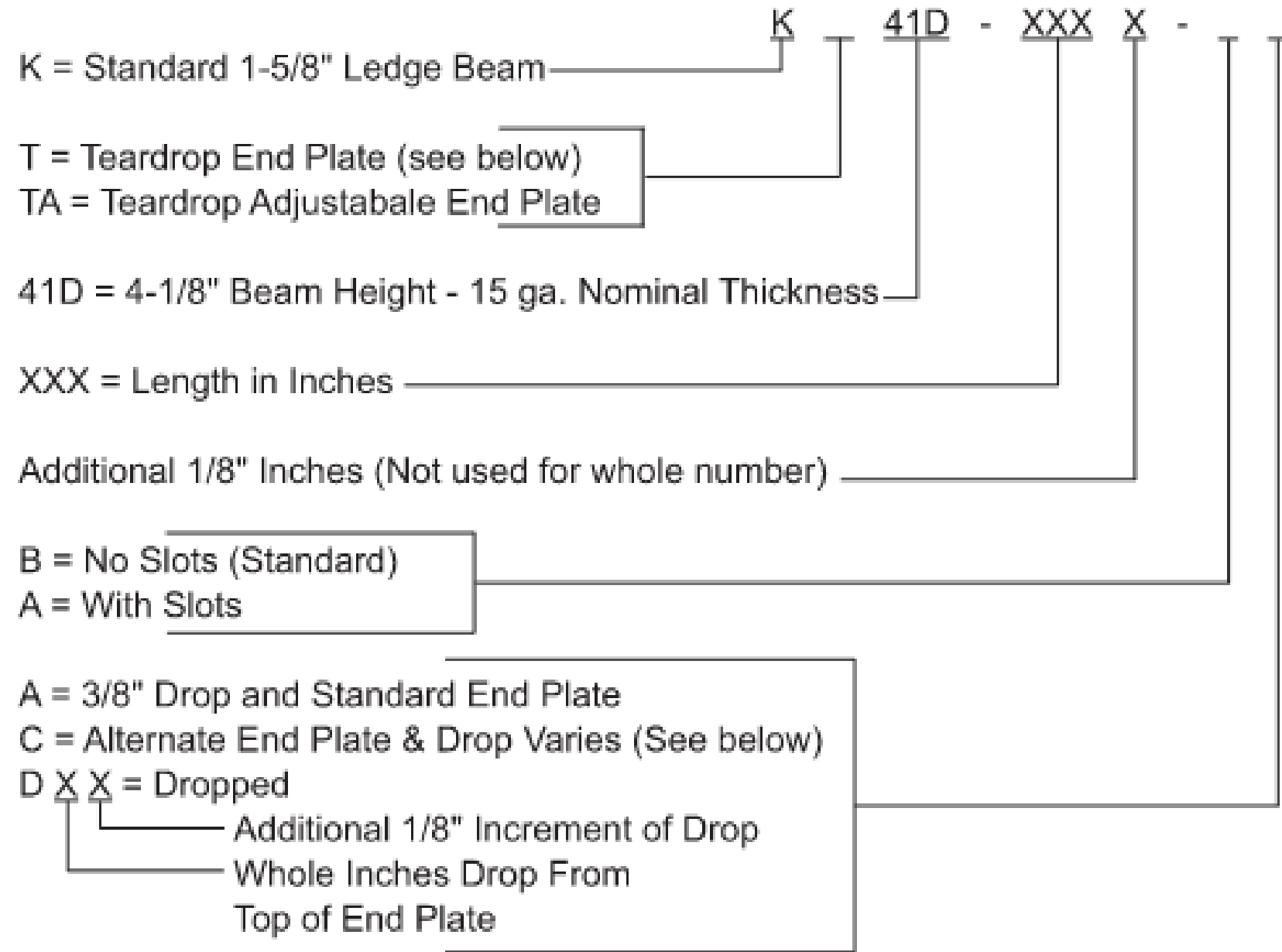
2. KT60D-120-AA

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

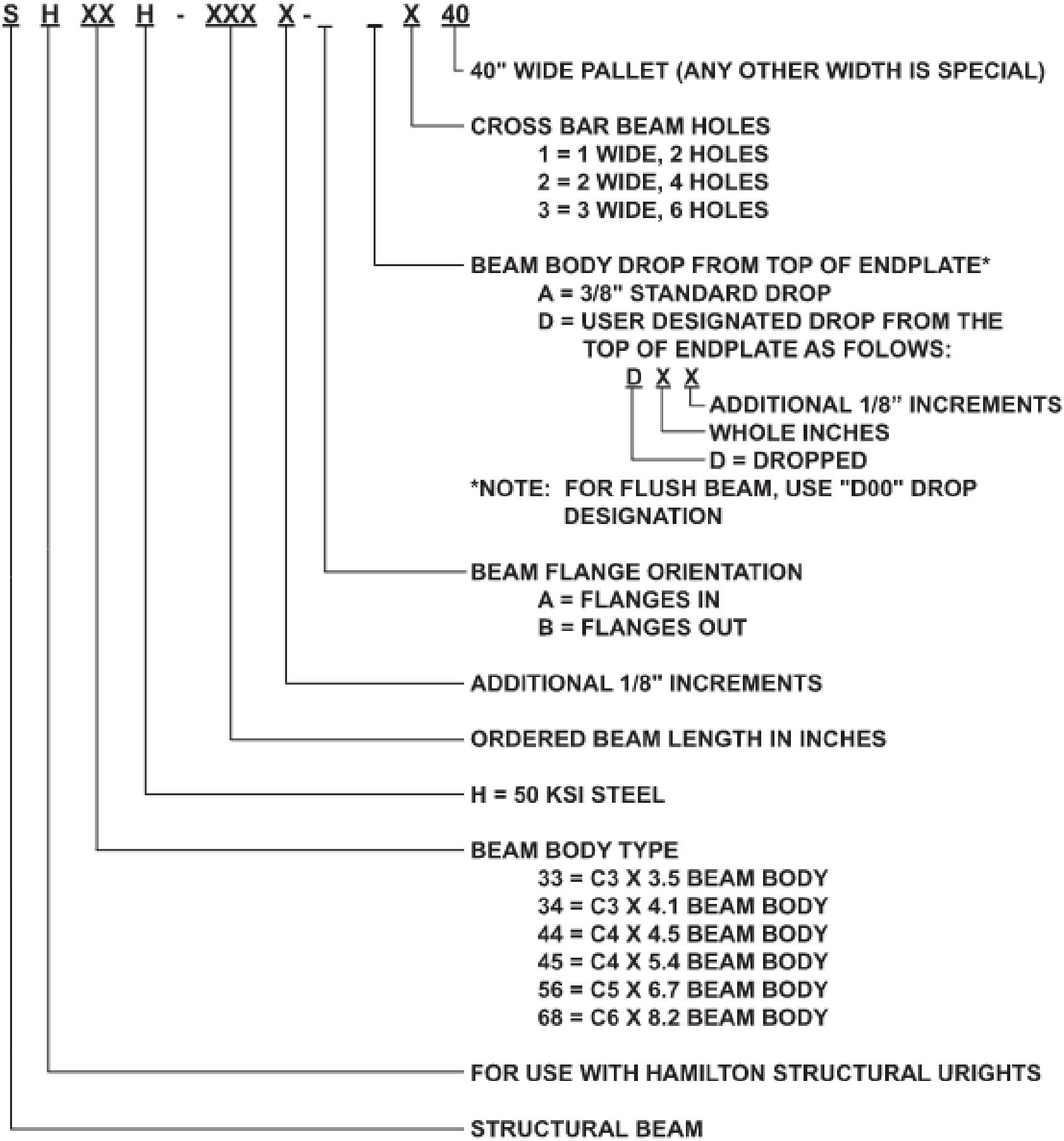
Alternate Beam End Plates

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



PART NUMBER





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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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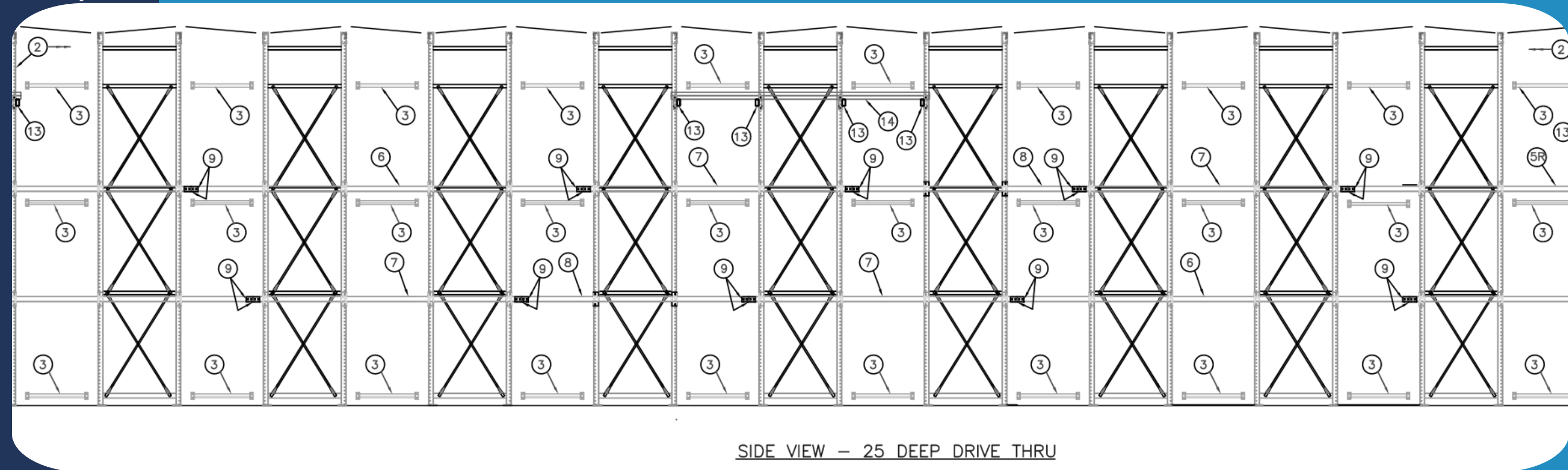
Higher Density FIFO Rack

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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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)

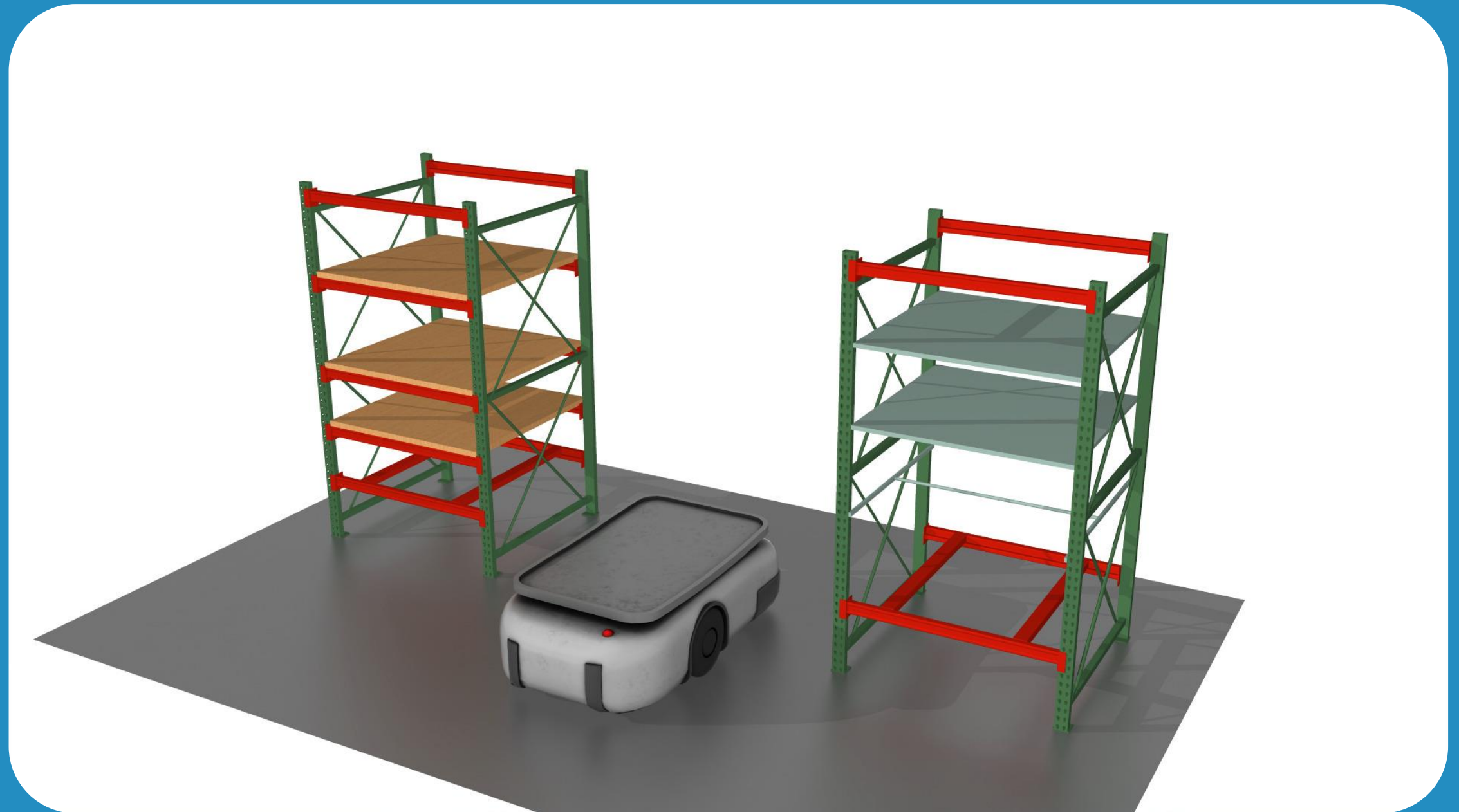
Why choose this configuration?

- 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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