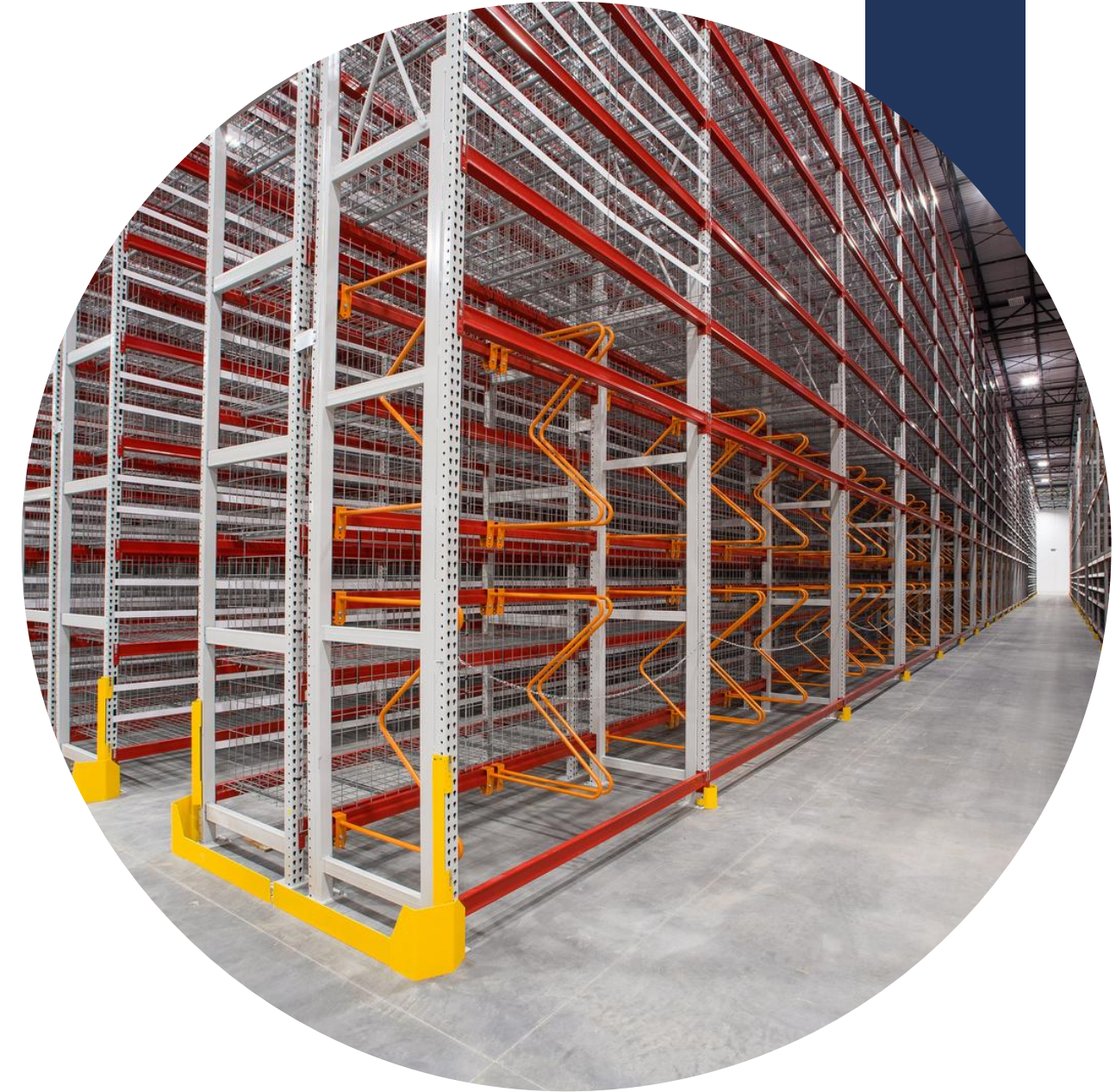


Engineering *One Rack Tips & Tricks*

Learn new tips and tricks to help navigate One Rack for Speedrack materials, and find out about upcoming building code/RMI changes that could impact the way you scope rack product for your customers.



Introduction



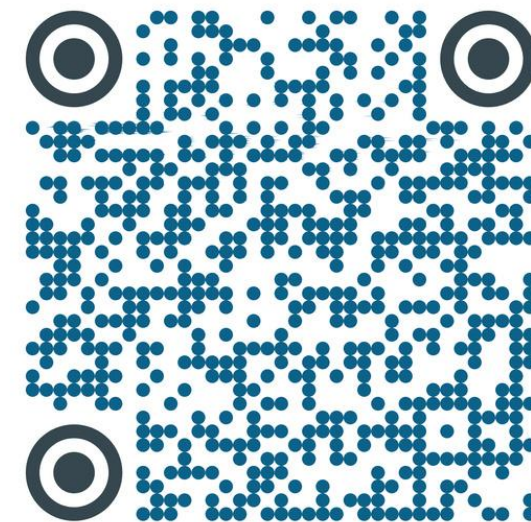
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 **Connect on LinkedIn!**





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DISTRIBUTOR DAYS

Tuesday August 12th, 2025

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



Code Changes

- Adoption of IBC 2024 by the Authority Having Jurisdiction (AHJ) will require the 'new' RMI design.
- This should be checked up front so that we can support with a quote design that will apply.
- See screenshot for example from San Antonio, TX which adopted the new IBC edition on May 1, 2025.
- Going to be a challenge over the next several years as Municipalities and States will be adopting this (or not) on their own schedules.
- Best course of action will be to ensure you supply our Sales Team with the actual project location, and not just the closest large city if possible.
- Most frequent changes you will see in the 'new' designs will be larger base plates and larger beam endplates.

2024 Codes

On January 30, 2025, the City Council adopted the [2024 International Code Council \(ICC\)](#) codes and the 2024 San Antonio Property Maintenance Code (SAPMC). The 2024 ICC codes include the following:

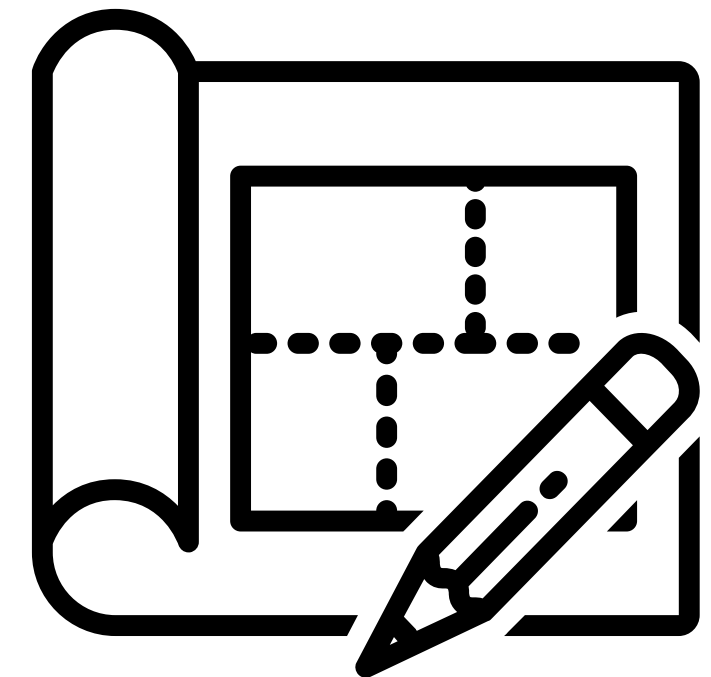
- International Building Code (IBC)
- International Existing Building Code (IEBC)
- International Fire Code (IFC)
- International Fuel Gas Code (IFGC)
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- International Residential Code (IRC)
- International Swimming Pool and Spa Code (ISPSC)
- National Electrical Code (NEC)

The energy code was excluded from this cycle.

NOTE: The 2024 ICC Codes and SAPMC will become effective May 1, 2025.

Anchoring Near Slab Joints

- A control joint / saw cut won't be the full depth of the slab.
- It can be difficult to determine without the slab/building drawings, but if the field can stick something down to measure the depth, it should be obvious in many cases.
 - A control joint won't be more than 1.5"-2" in depth.
 - An expansion joint will be the full depth of the slab.
- If it is an expansion joint, then the base plate/anchors should never straddle the joint!
- Other than that, you'll just want to keep the required edge distance
 - Note - if it is a low seismic job and the anchors are under utilized, we can probably get away with decreasing the capacity based on the proximity to the joint.
- Epoxy anchors are an option.
 - HILTI has an interesting alternative to epoxy called the Hilti Kwik X which is just a screw anchor with an epoxy capsule thrown into the hole before installation.



✓ OneRack Video

- Here is the most recent video OneRack has posted:
<https://vimeo.com/manage/videos/1083077855>

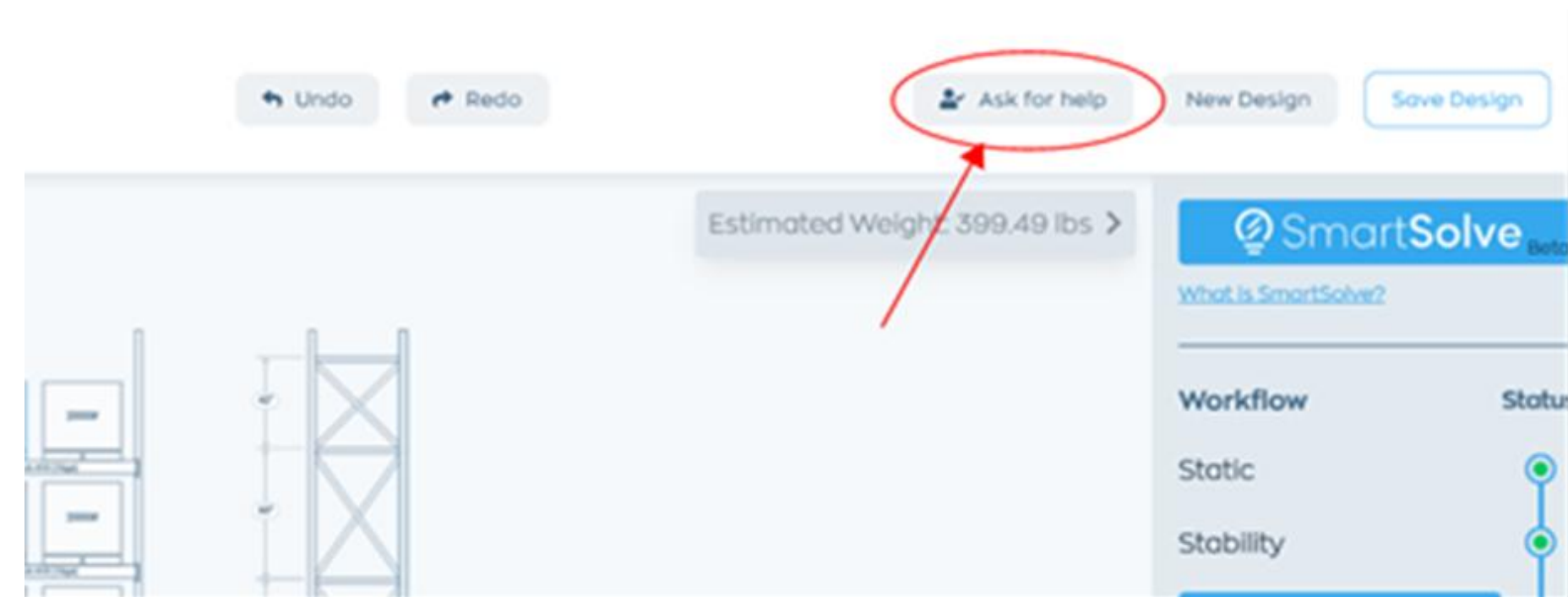
✓ OneRack YouTube Channel

- Here is their YouTube channel, which has a few as well:
<https://www.youtube.com/playlist?list=PLM1TqkFN7reb4SHxJI9ZjRPufYY9agbZF>

OneRack Resources

✓ Help Needed?

- You can email customerservice@oneracksolutions.com if you have questions
- However, if users have questions about a particular design, they should click the **Ask for Help** button, and send the link to the design - this gives OneRack engineering access so they can look at the design.



OneRack Troubleshooting for Speedrack Material

1. Most common issue for seismic locations is the diagonal bracing.
2. If the 'frame' shows up as red / not checking, scroll down and check the brace utilization.
3. If > 100%, you can adjust the following:
 - a. Brace panel dimension down from 60" down to 42" (by clicking on the dimension next to the brace panel)
 - b. Brace section to our heavy duty 1-1/8" dia. option (by clicking the brace under 'part name' in the frame area)
 - c. Often in higher seismic areas you will need to look at the "full radius weld" option (which has a price increase and needs to be called out)

PART NAME ▾	UTILIZATION ▾
1.5"x1.5"x18ga	3.77%
7/8" Dia x 20ga	0.00%
7/8" Dia x 20ga	0.00%

PART

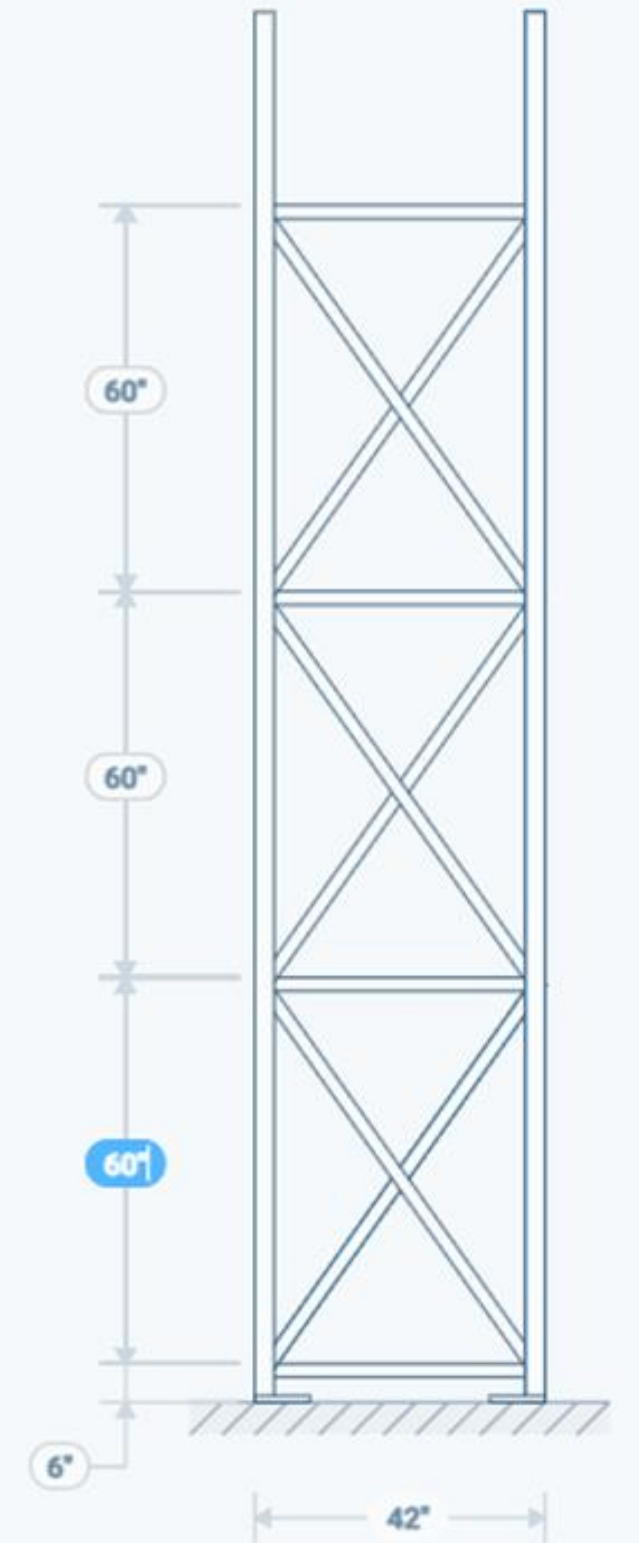
Select option ▴

Roll Formed

7/8" Dia x 20ga

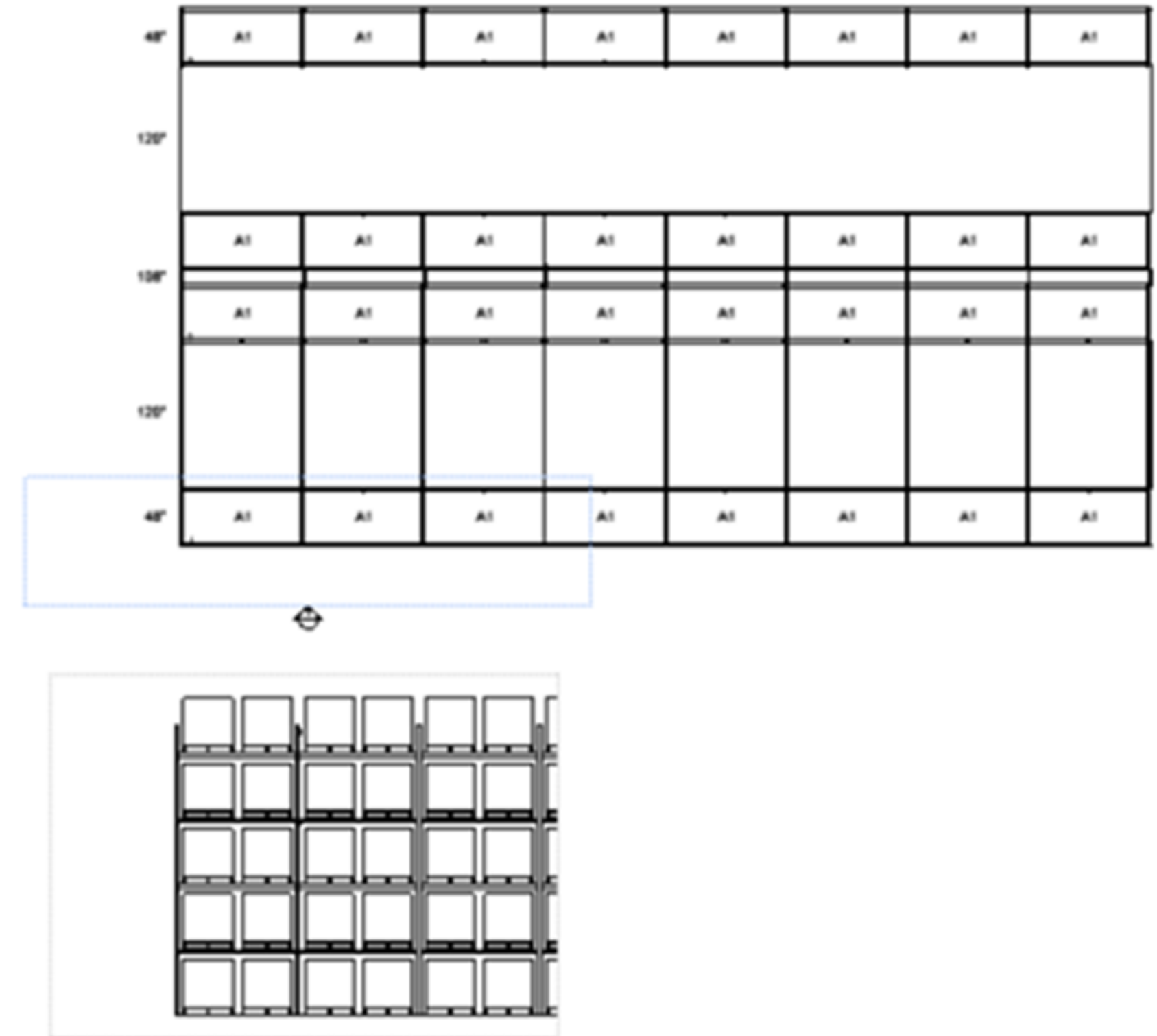
1-1/8" Dia x 18ga

1-1/8" Dia x 18ga (Full Radius Wel



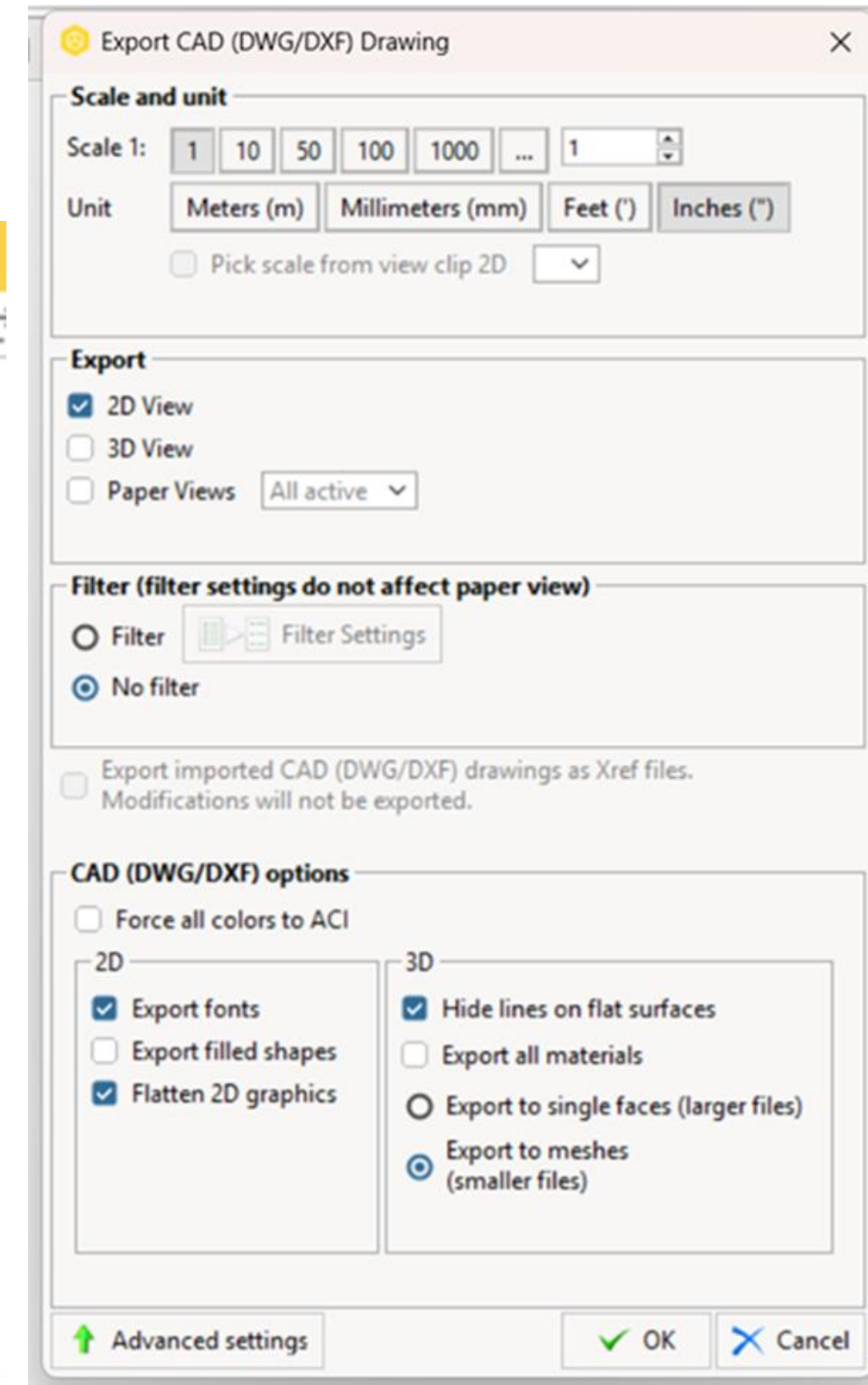
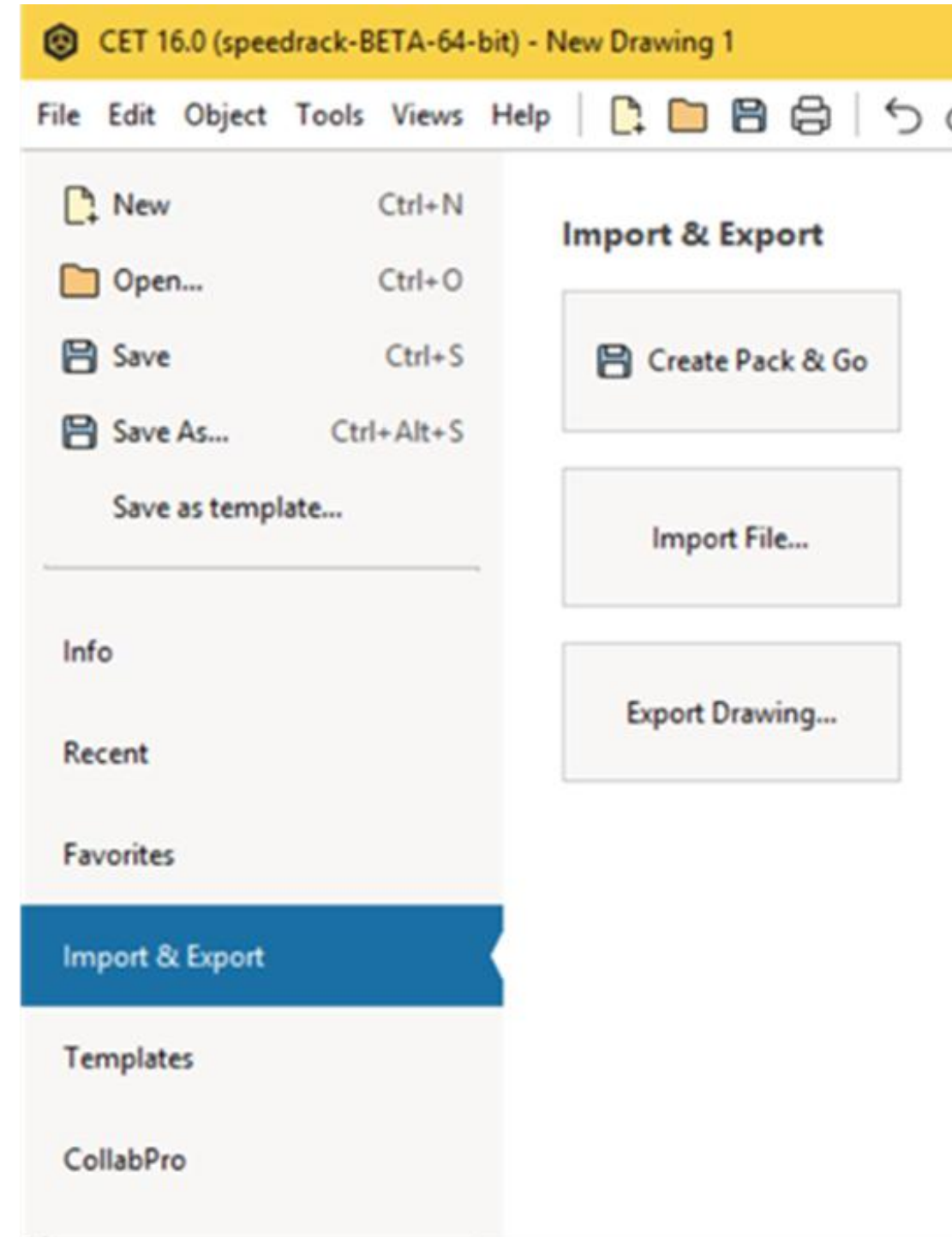
Speedrack & Configura

- Configura produces 2D and 3D drawings.
- You can import autocad 2D building files or create your own walls and columns.
- The marker on the bottom left side is a 0,0 point for CAD reference.
- You can insert elevations into the 2D workspace.



Speedrack & Configura

- From the file command list you can import or export AutoCAD drawings.
- You can control the scale and units in the exported 2D DWG.
- You can also export a 3D DWG.





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Thank You!

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