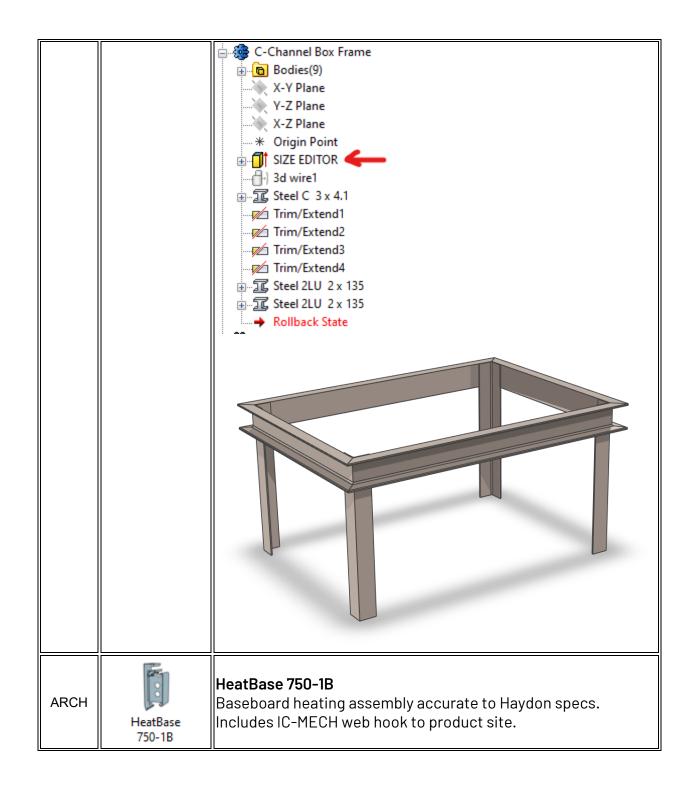
## Mag-TOOLS

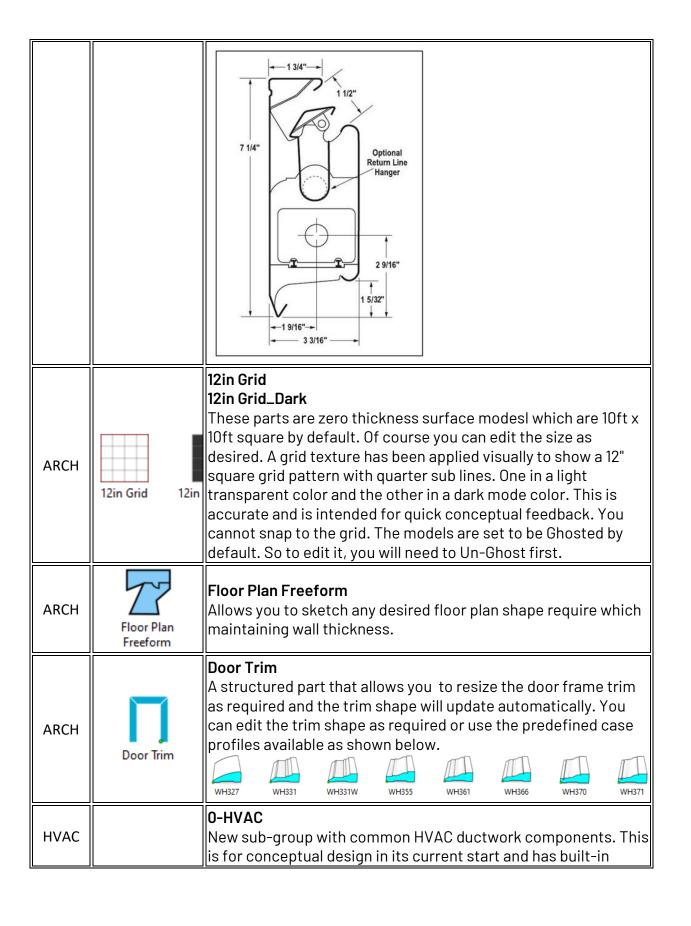
## **New Enhancements 2024**

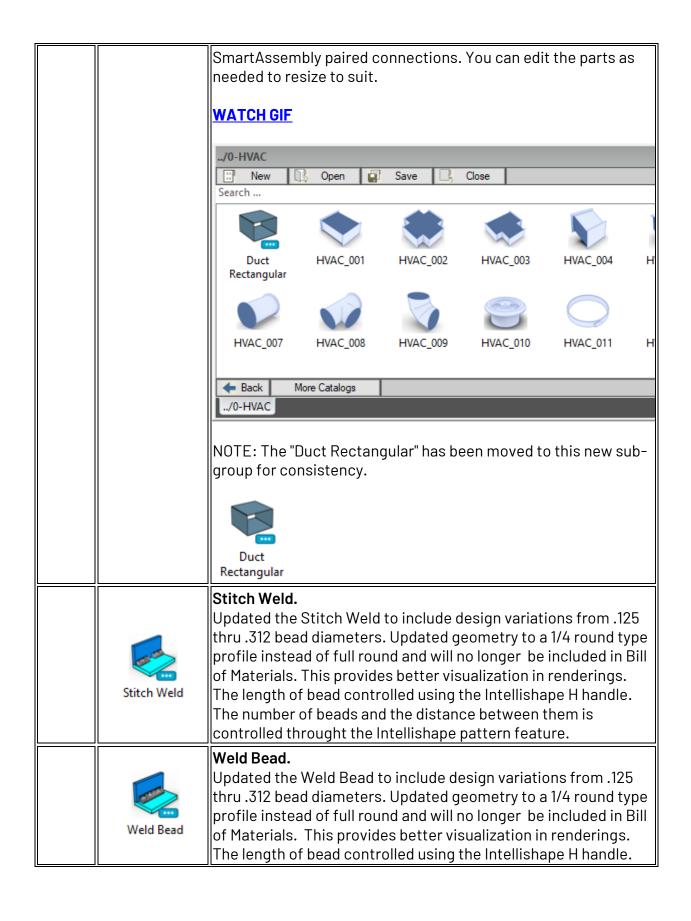
#### **General Announcements:**

- Some icons have been updated.
- Removed "0-" prefix from all sub-groups.
- Renamed sub-group "O-SHMTL" to "SHEETMETAL" for clarity.
- Dividers have been added to create "sectioned" areas for "Whats New" and Sub-Groups".
- Placed all people figures into new sub-group "PEOPLE"

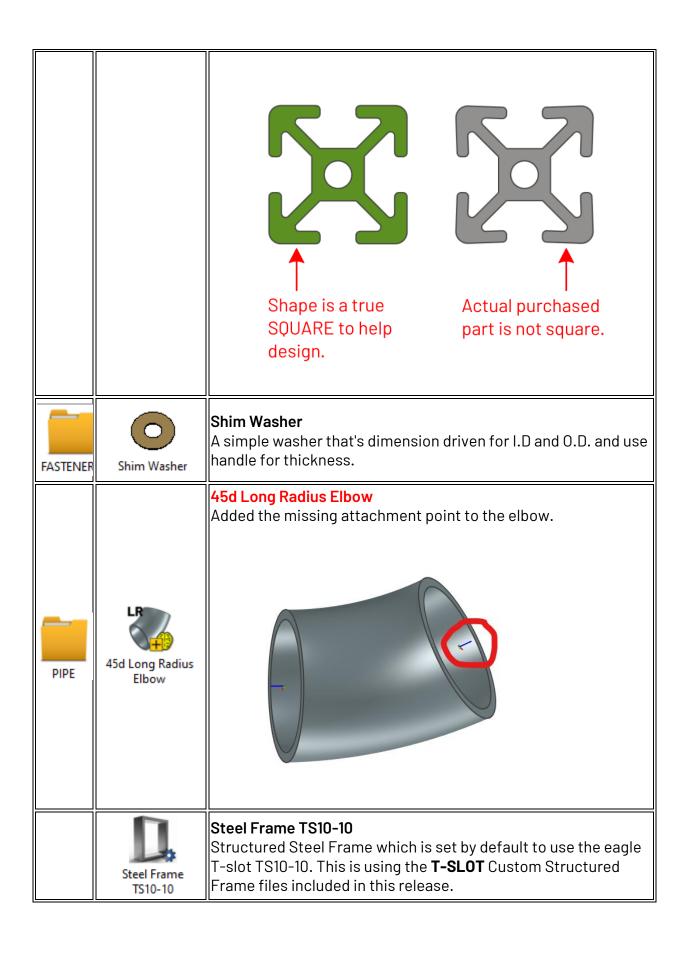
Sub- Group	Tool	Description
		Loop Single (formerly "Wire Bracket") Added more geometric constants for better success. Also added Center of Radius constraint dimension (ie. 0.125) for more control. Also updated to be dropped as an Intellishape if desired.
	Loop Single	1.000 Ø0.250 0.125
	C-Channel Box Frame	C-Channel Box Frame.  A Structured part steel frame construction. C Channel top frame with angle legs. Reize the frame using the "SIZEBOX EDITOR" in the feature tree. Of course, you can edit the components as desired using standard IronCAD methods.

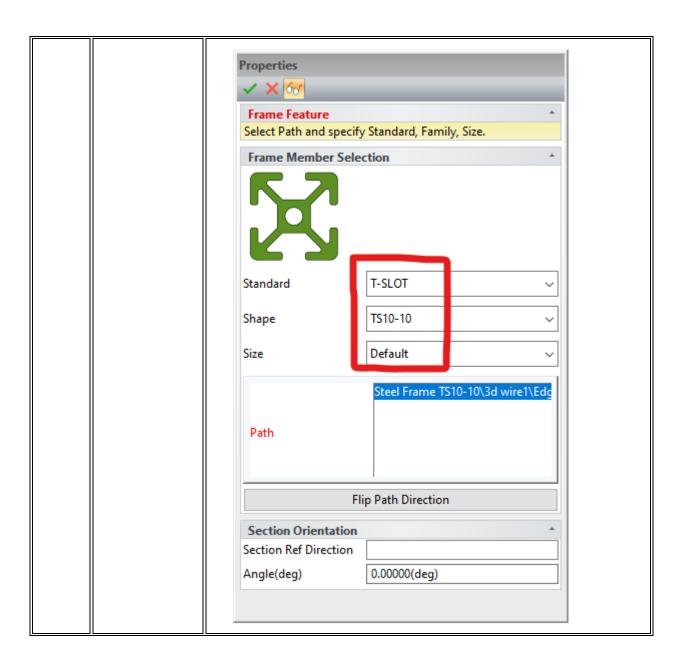


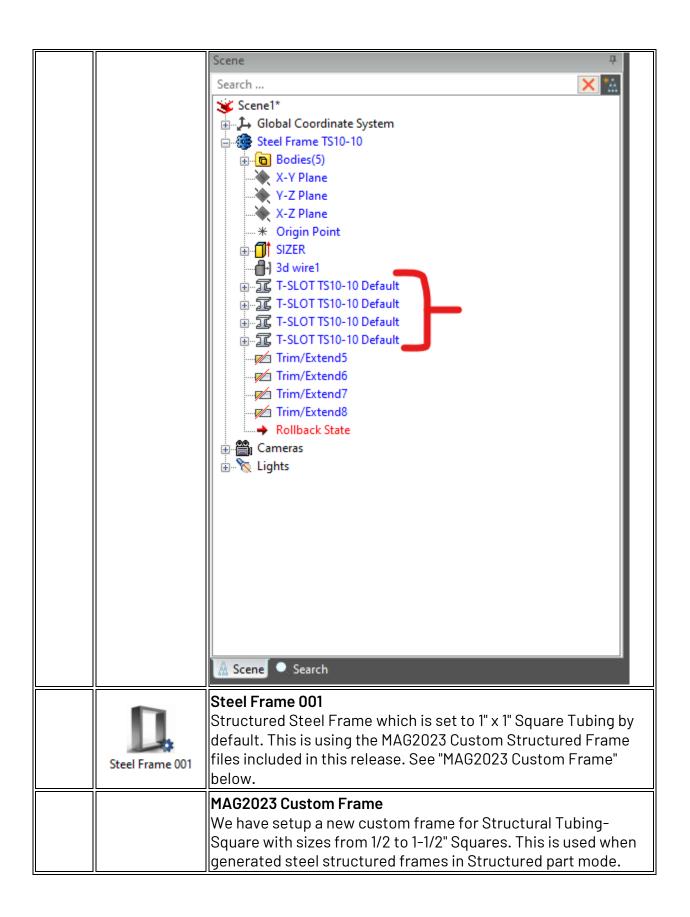


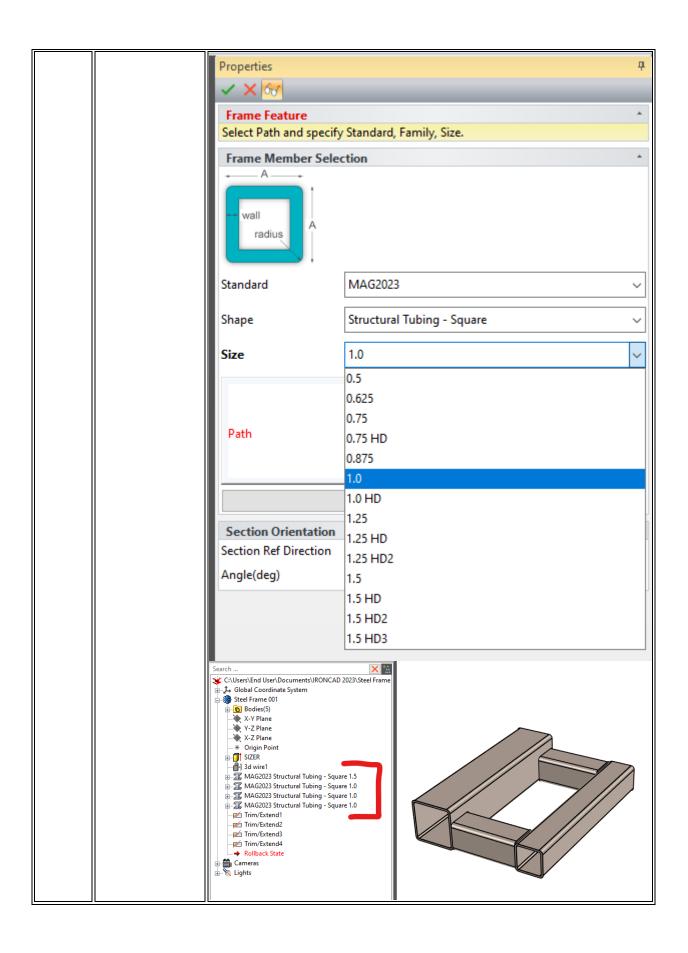


	Weld Profile	Weld Profile. A 2D profile cross-section that can be edited through direct dimension to chnage bead symmetriclally. Used primarily with the Sweep command, but can used as desired elsewhere.
UTILITIES	Extruded Aluminum	Extruded Aluminum. Web link to Eagle Aluminum online interactive catalog.
UTILITIES	ShareCAD	ShareCAD A Free online utility to share CAD data using a web browser. Sometimes users ask for import of native CAD drawing file formats or BIM file formats other than IFC, like NavisWorks files etc. Then this is useful. Of course you have the built in sharing in IronCAD for native file sharing.
		Extruded Aluminum Profiles from Eagle Aluminum productline.  These are some of the common profiles used. There are two versions, the post fix of "SQ" indicates the profile has been modified to be truly square for designing purposes. The other is the actual profile of purchased parts. Its receommended to use the "SQ" versions when designing to allow proper snapping and positioning. The actual shapes can be used for more realism if desired after design is completed.  TS10-10_SQ  TS10-10  TS10-10









## **INSTALLATION:**

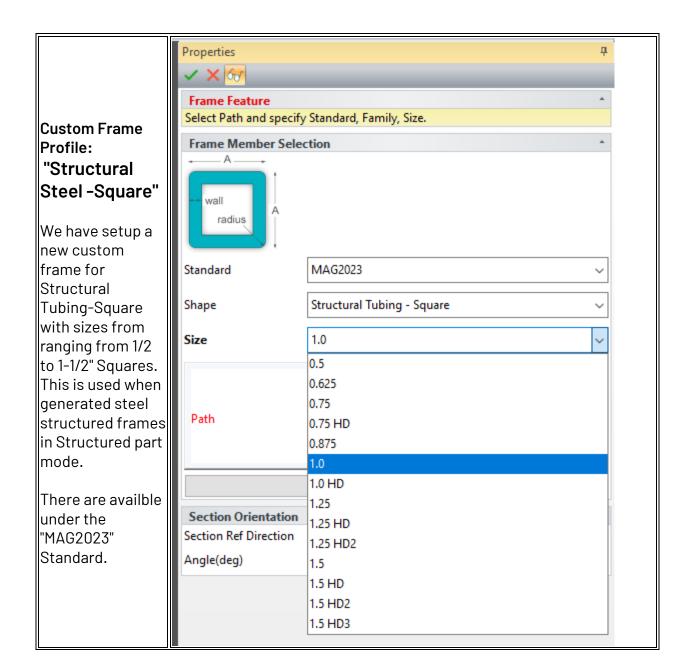
Installation is required to gain access to these custom frames. Make sure t make a backup copy of the folder "CustomStructuredFrame" prior to overwritting as outlined below.

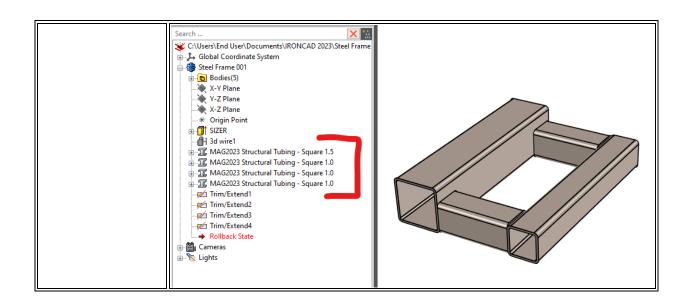
 Simply unzip the files supplied in "CustomStructuredFrame.zip" into the following directory and overwriting the current "CustomStructuredFrame" folder C:\Users\End User\AppData\Local\IronCAD\IRONCAD\25.0\en-us

## **Structured Steel**

In this release we have set on a journey beyond just catalog items and venture deeper into the database of components.

- We have setup a new custom frame profiles for use when generated steel structured frames in Structured part mode.
- INSTALLATION: Installation is required to gain access to these custom frames. Make sure t make a backup copy of the folder "CustomStructuredFrame" prior to overwritting as outlined below. Simply unzip the files supplied in "CustomStructuredFrame.zip" into the following directory and overwriting the current "CustomStructuredFrame" folder C:\Users\End User\AppData\Local\IronCAD\IRONCAD\25.0\en-us

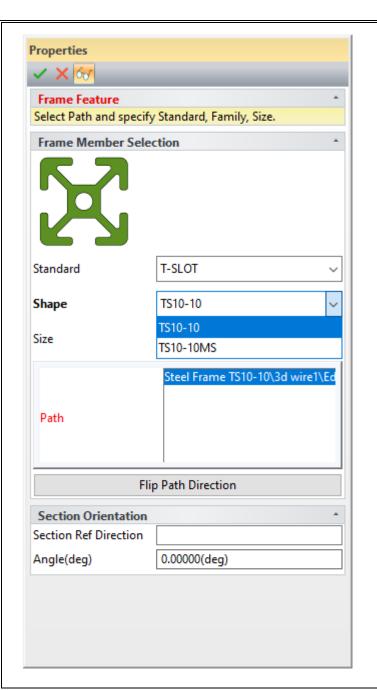


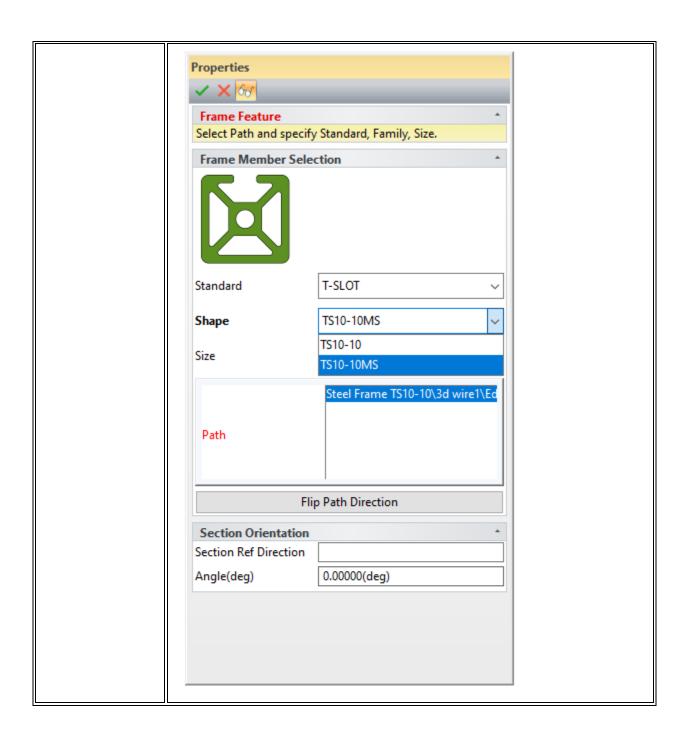


### Custom Frame Profile: "Structural Steel -Slotted"

We have setup a new custom frame for T-Slot extrusions based on the Eagle product line. This is used when generated steel structured frames in Structured part mode.

There are availble under the "T-SLOT" Standard.





# **Artifical Intelligence**





#### ChatGPT

ChatGPT: Optimizing Language Models for Dialogue. OpenAl trained a model called ChatGPT which interacts in a conversational way. The

dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests. ChatGPT is a sibling model to InstructGPT, which is trained to follow an instruction in a prompt and provide a detailed response.

Also a Youtube tutorial to help you get started.





### MidJourney

Midjourney is an automatic image creator using artificial intelligence. Simply enter what your looking for with some key prompts and the image well be created for you. This is no limit to the use for this, only limit is your imagination. Some examples are for marketing, storytelling, design enhancement and more.





#### Dall-E

Dall-E is an automatic image creator using artificial intelligence. Simply enter what your looking for with some key prompts and the image well be created for you. This is no limit to the use for this, only limit is your imagination. Some examples are for marketing, storytelling, design enhancement and more.