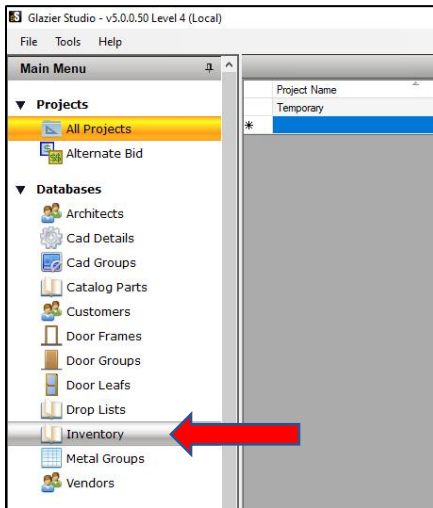


Glazier Studio 5.0.0.52 Update Release Notes

1. Created an inventory management screen for extrusions and hardware. The inventory is setup manually and during any metal optimization a question will be asked to allocate inventory for that project



The screenshot shows the 'Inventory' screen with a table of items. The table has columns for Name, Finish, Length, Qty On Hand, Qty On Order, Location, Unit Cost, Date, and Project Name. The 'Qty On Hand' column has values 0, 3, 0, and 1. The 'Qty On Order' column has values 0, 0, 0, and 0. The 'Location' column has values 'ALLOCATED' and 'ALLOCATED'. The 'Date' column has values '1/3/2020' and '1/3/2020'. The 'Project Name' column has the value 'Temporary'.

Name	Finish	Length	Qty On Hand	Qty On Order	Location	Unit Cost	Date	Project Name
450CG001	#17CLEAR - PERMANODIC	288	0	0		0		
450CG001	#17CLEAR - PERMANODIC	288	3	0	ALLOCATED	0	1/3/2020	Temporary
450CG002	#17CLEAR - PERMANODIC	288	0	0		0		
450CG002	#17CLEAR - PERMANODIC	288	1	0	ALLOCATED	0	1/3/2020	Temporary

Select part, finish, length, and qty on hand to get started. All other information can be entered but not required. The project name will be filled out automatically if material is allocated during any of the metal optimizations. Only extrusions are allocated at this time. The length needs to be the standard stock size of the part plus the add to stock in your settings. Items that have a 0 or negative qty on hand will be highlighted in red. You can print a report that is based on what you have shown on the inventory screen at the time you select print.

2. Added a sub total and grand total box to each tab of the recap review screens

The screenshot shows the 'Recap Review - Temporary' screen with a table of items. The table has columns for Vendor, Product Code, Description, Finish, UOM, Stock Size, Quantity, Price Per Unit, CMP, Total, and Changed. The 'Sub Total' and 'Grand Total' boxes are circled in red.

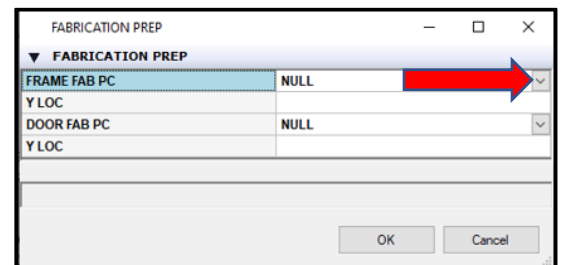
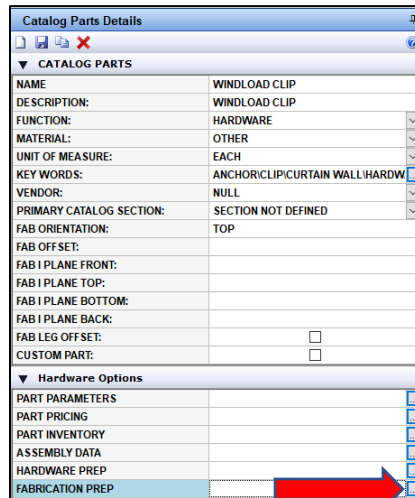
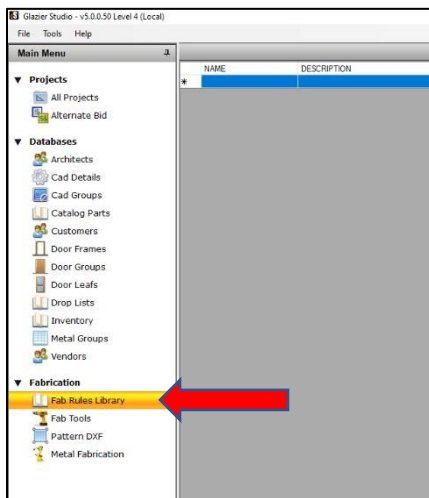
Vendor	Product Code	Description	Finish	UOM	Stock Size	Quantity	Price Per Unit	CMP	Total	Changed
KAWNEER COMPANY INC.	450037	TRIFAB II 450/451 SILL FLASHING	#17 CLEAR : PERMANODIC	LENGTH	288	1	\$116.00	1.000	\$116.00	
KAWNEER COMPANY INC.	450CG001	TRIFAB VG 450 JAMB/MULLION/HEAD/SILL W/SPLINES	#17 CLEAR : PERMANODIC	LENGTH	288	3	\$200.00	1.000	\$600.00	
KAWNEER COMPANY INC.	450CG002	TRIFAB VG 450 INSERT FILLER SHALLOW POCKET 1/4"	#17 CLEAR : PERMANODIC	LENGTH	288	1	\$92.00	1.000	\$92.00	
KAWNEER COMPANY INC.	450CG003	TRIFAB VG 450 HEAD/HORIZONTAL/SILL	#17 CLEAR : PERMANODIC	LENGTH	288	1	\$171.00	1.000	\$171.00	
KAWNEER COMPANY INC.	450CG004	TRIFAB VG 450 HORIZONTAL STOP	#17 CLEAR : PERMANODIC	LENGTH	288	1	\$60.00	1.000	\$60.00	
KAWNEER COMPANY INC.	450CG011	TRIFAB VG 450 HORIZONTAL MULLION	#17 CLEAR : PERMANODIC	LENGTH	288	1	\$225.00	1.000	\$225.00	

Sub Total: \$1264.00 Grand Total: \$1865.61

3. Added the description to the product code drop downs for Metal Fabrication, Recap Reviews, PO Review, & Misc. Metal and Glass Optimization screens

Name	Description
450CG001	TRIFAB VG 450 JAMB/MULLION/HEAD/SILL W/
450CG002	TRIFAB VG 450 INSERT FILLER SHALLOW POCH
450-CG-002	TRIFAB VG 450 INSERT FILLER SHALLOW POCH
450CG003	TRIFAB VG 450 HEAD/HORIZONTAL/SILL
450CG004	TRIFAB VG 450 HORIZONTAL STOP
450-CG-004	TRIFAB VG 450 HORIZONTAL STOP
450CG005	TRIFAB VG 450 VERTICAL MULLION
450CG007	TRIFAB VG 450 HEAD/SILL INSERT
450CG008	TRIFAB VG 450 SILL/HEAD INSERT
450CG010	TRIFAB VG 450 FEMALE EXPANSION MULLION
450CG011	TRIFAB VG 450 HORIZONTAL MULLION
450CG013	TRIFAB VG 450 HEAVY HEAD OR JAMB MULLIO
450CG014	TRIFAB VG 450 CFNTER GLAZE SILL

4. When adding an anchor to an elevation the anchor product code can recall a library fab and apply to that fabrication to the stick



The first step is to create a library fab in the database and then go to your anchor parts in the **Catalog Parts** database and select **Fabrication Prep** under options. Then select your library fab part in the **Frame Fab PC** drop down. Door Fab PC is not used at this time.

Once the fabrication information is setup and anchors are added to an elevation in the graphics design screen, that fabrication will be applied when the **Metal Fabrication** function is processed for that elevation.

5. Added an option in the metal group to set the length of the door jamb companion to extend to the finished floor or bottom of sill member

The screenshot shows the 'METAL GROUP DESIGN' window with the 'Fabrication Options' section expanded. The 'EXTEND DR COMP JAMB TO FLOOR' checkbox is located at the bottom of the list and is currently unchecked. A red arrow points to this checkbox.

To set this option select your metal group in the **Metal Groups** database. Selecting the check box will run the door jamb companion piece to the finished floor and be the same length as the door jamb member. If left un-checked then the door jamb companion piece will stop at the bottom of the sill member adjacent and **NOT** to the bottom of the sill channel or finished floor.

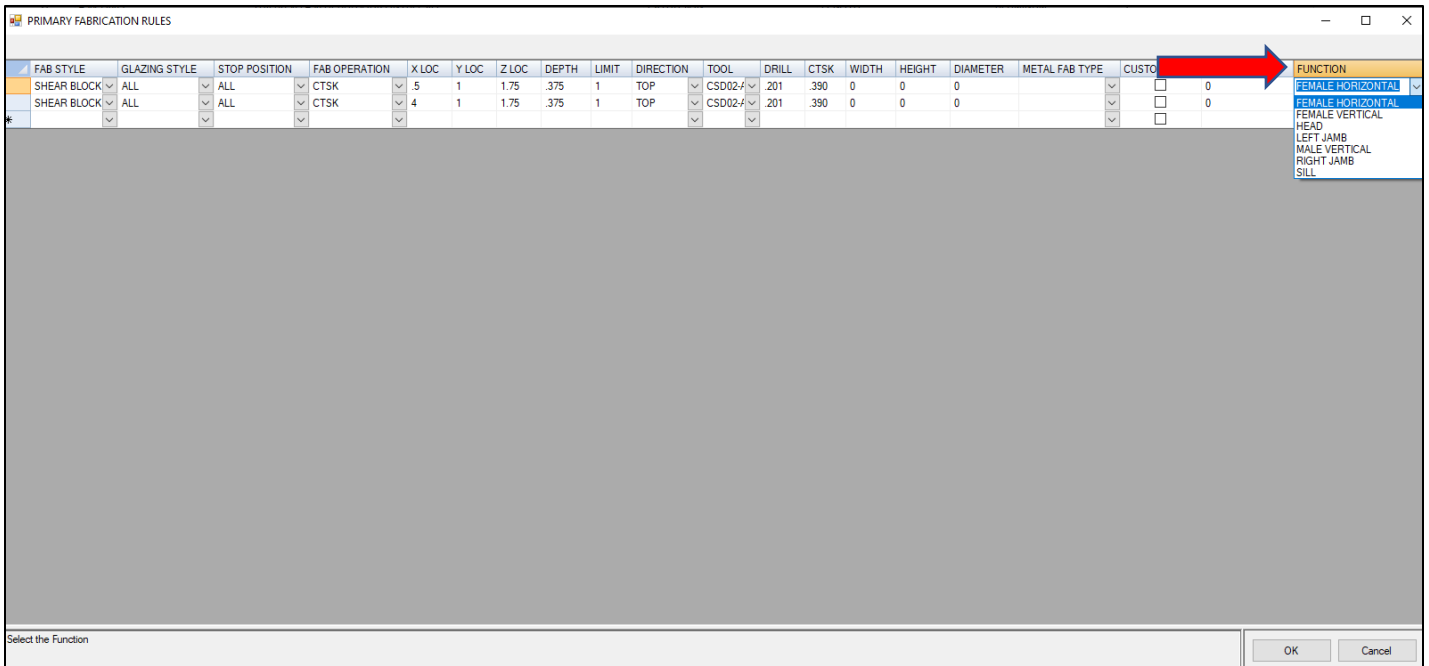
6. The end extension field for face members can now be used in the metal group. Prior to this only the undercut field with a + or - was operational

NAME	UNDERCUT	END EXTEND
LEFT JAMB FACE	0	0
VERTICAL FACE	0	0
HEAD FACE	0.0625	0
SILL FACE	0.0625	0
HORIZONTAL FACE	0.0625	0
LEFT JAMB PRESSURE PLATE	0	0
VERTICAL PRESSURE PLATE	0	0
HEAD PRESSURE PLATE	0.75	0
SILL PRESSURE PLATE	0.75	0
HORIZONTAL PRESSURE PLATE	0.75	0
RIGHT JAMB FACE	0	0
RIGHT JAMB PRESSURE PLATE	0	0
EXPAN MULL FACE	0	0
EXPAN MULL PRESSURE PLATE	0	0
JAMB FACE @ EXPAN HORIZ	0	0
VERT MULL FACE @ EXPAN HORIZ	0	0
JAMB P/P @ EXPAN HORIZ	0	0
VERT MULL P/P @ EXPAN HORIZ	0	0

Enter Total Amount of Undercut For Member
NOTE: PRESSURE PLATE GAP IS FROM FACE GAP

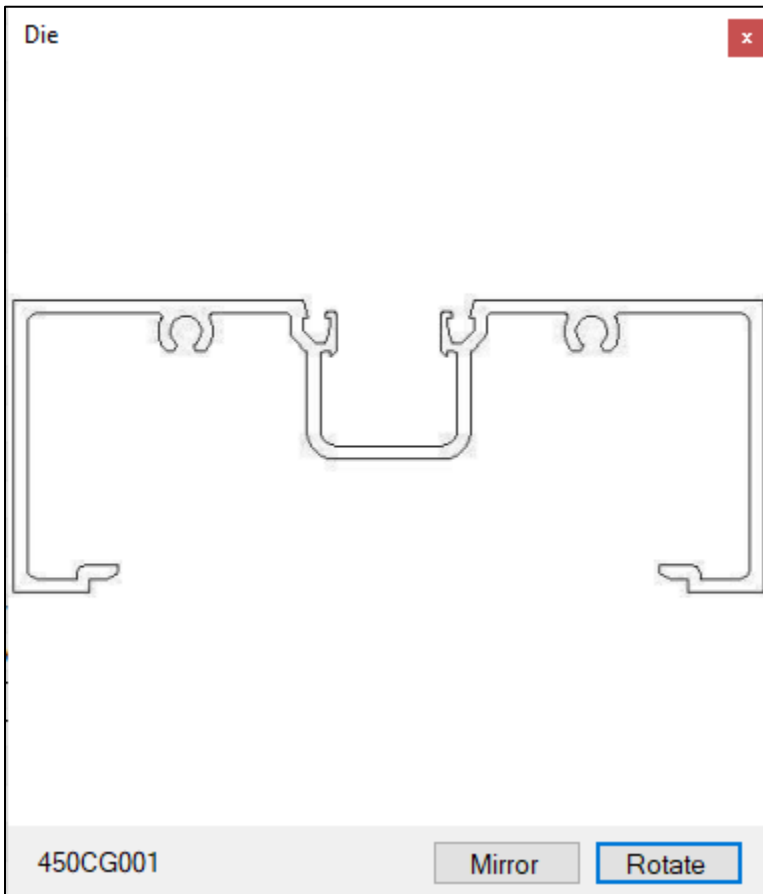
This setting is found in the **Metal Group** database for each metal system.

7. Primary fabrications can now be setup per a function type or to be used anywhere



This setting is in the **Primary Fabrication Rules** of the **Catalog Parts** section database. It will allow you to specify certain fabrication rules to only be applied to the parts when they are used as the function selected.

8. The F5 key can be used on a part to mirror or rotate the part image if not in the correct orientation to be processed through a RhinoFab machine.



To access this screen hit the **F5** key when selected on a part number in certain areas of the program. All part images should be oriented as they would lay to be processed through fabrication machinery such as our RhinoFab equipment.

9. Split stick option in metal fabrication can now be applied to multiple sticks at once

The screenshot shows the 'Fabrications' software interface. At the top, there are buttons for 'Import Data', 'Import Data Format', 'Import Project', 'Import Misc. Metal', 'Create Batch', 'Output', 'Reports', 'Elev. Cad Export', and 'Optimize'. A 'Preview Frames' window on the right shows a technical drawing of a window frame. Below the buttons is a table of parts with columns for Part ID, Product Code, Finish, Length, Quantity, Start Point, Add Operation, Leading Angle Type, Leading Angle, Trailing Angle Type, Trailing Angle, PC Width, PC Depth, Fab, Fal, Fi, F, Job Name, Frameset Name, Frame Name, and Function. A red arrow points to the 'Split Stick' button located at the bottom right of the interface.

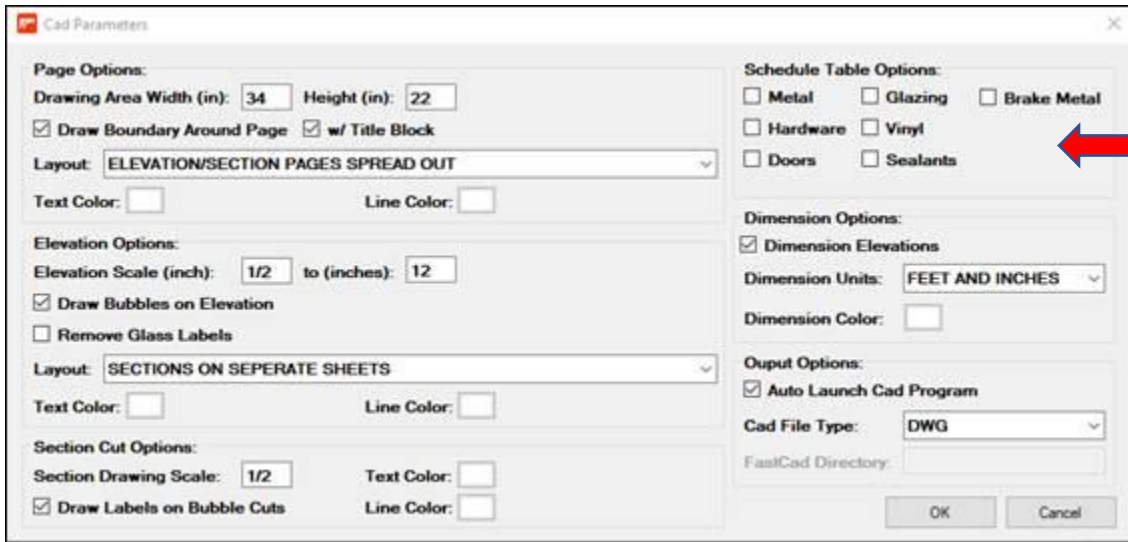
Part ID	Product Code	Finish	Length	Quantity	Start Point	Add Operation	Leading Angle Type	Leading Angle	Trailing Angle Type	Trailing Angle	PC Width	PC Depth	Fab	Fal	Fi	F	Job Name	Frameset Name	Frame Name	Function
15C	450037	#17 CLEAR - PERMAI	144.25	1	RIGHT		NONE	0	NONE	0	1.6875	4.75	0	0	0	0	Temporary	Frame Set 1	Frame 1	SILL RECEPTORS CHANNEL
1	450CG001	#17 CLEAR - PERMAI	95.875	1	BOTTOM		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	VERTICAL LEFT JAMB
3	450CG001	#17 CLEAR - PERMAI	95.875	3	BOTTOM		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	VERTICAL FEMALE VERTICAL
4	450CG001	#17 CLEAR - PERMAI	95.875	1	TOP		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	VERTICAL RIGHT JAMB
7	450CG001	#17 CLEAR - PERMAI	33.8125	1	LEFT		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL HEAD
10	450CG001	#17 CLEAR - PERMAI	33.8125	2	LEFT		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL HEAD
13	450CG001	#17 CLEAR - PERMAI	33.8125	1	LEFT		NONE	0	NONE	0	1.75	4.5	0	0	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL HEAD
2	450CG002	#17 CLEAR - PERMAI	95.875	3	BOTTOM		NONE	0	NONE	0	0	3.875	0	0	0	0	Temporary	Frame Set 1	Frame 1	VERTICAL MALE VERTICAL
5	450CG003	#17 CLEAR - PERMAI	33.8125	1	RIGHT		NONE	0	NONE	0	1.75	4.5	1218	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL SILL
8	450CG003	#17 CLEAR - PERMAI	33.8125	2	RIGHT		NONE	0	NONE	0	1.75	4.5	1218	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL SILL
11	450CG003	#17 CLEAR - PERMAI	33.8125	1	RIGHT		NONE	0	NONE	0	1.75	4.5	1218	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL SILL
55T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	SILL OUTSIDE STOP STOP
85T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	SILL OUTSIDE STOP STOP
85T-17	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	SILL OUTSIDE STOP STOP
115T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	SILL OUTSIDE STOP STOP
65T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	FEMALE HORIZONTAL OUTSIDE S
95T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	FEMALE HORIZONTAL OUTSIDE S
95T-21	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	FEMALE HORIZONTAL OUTSIDE S
125T	450CG004	#17 CLEAR - PERMAI	33.75	1	RIGHT		NONE	0	NONE	0	0	0	0	0	0	0	Temporary	Frame Set 1	Frame 1	FEMALE HORIZONTAL OUTSIDE S
6	450CG011	#17 CLEAR - PERMAI	33.8125	1	RIGHT		NONE	0	NONE	0	1.75	4.5	1125	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL FEMALE HORIZONT
9	450CG011	#17 CLEAR - PERMAI	33.8125	2	RIGHT		NONE	0	NONE	0	1.75	4.5	1125	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL FEMALE HORIZONT
12	450CG011	#17 CLEAR - PERMAI	33.8125	1	RIGHT		NONE	0	NONE	0	1.75	4.5	1125	25	0	0	Temporary	Frame Set 1	Frame 1	HORIZONTAL FEMALE HORIZONT

10. Redesigned the Glass Fabrication feature of the program. This feature has been moved under the fabrication heading of the main screen. The old glass fab was primarily for shaped glass only. Now the glass fab is much the same as metal fabrication. It will combine like types and sizes per frame or project and provide them a TAG. You will get a drawing with each type of glass and then elevations with the glass TAG labeled on them.

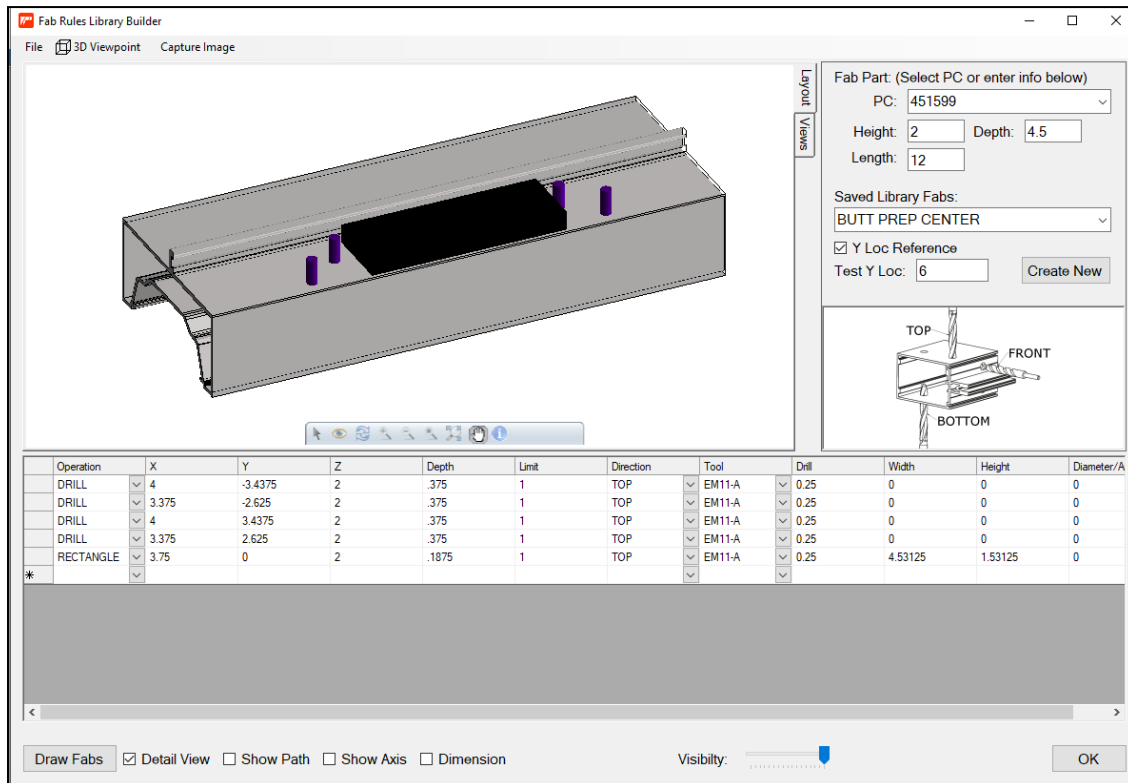
The screenshot shows the 'Glass Fabrications' software interface. It features a 'Saved Glass Lists' window on the left, a 'Preview Frames' window on the right showing a technical drawing of a window frame with dimensions, and a table of glass parts at the bottom. The table has columns for Glass ID, Product Code, Description, Width, Height, Quantity, Job Name, Frameset Name, Frame Name, and Job Code.

Glass ID	Product Code	Description	Width	Height	Quantity	Job Name	Frameset Name	Frame Name	Job Code
GL1	1/4 CLEAR AN TE	1/4 CLEAR ANNEALED TEMPERED	34 3/4	44 1/8	4	Temporary	"FRAME1"	0001	
GL2	1/4 CLEAR AN AN	1/4 CLEAR ANNEALED ANNEALED	34 3/4	44 1/8	4	Temporary	"FRAME1"	0002	
GL3	1/4 CLEAR TE	1/4 CLEAR TEMPERED	33 1/8	44 1/8	5	Temporary	"FRAME1"	0003	
GL4	1/4 CLEAR AN	1/4 CLEAR ANNEALED	33 1/8	44 1/8	1	Temporary	"FRAME1"	0004	
GL5	1/4 CLEAR AN	1/4 CLEAR ANNEALED	33 1/8	44 1/8	1	Temporary	"FRAME1"	0005	
GL6	SOFT COOK GLTE	SOFT COOK GLTE	33 1/8	44 1/8	1	Temporary	"FRAME1"	0006	
GL7	1/4 CLEAR TE	1/4 CLEAR TEMPERED	34 3/8	44 1/8	5	Temporary	"FRAME1"	0007	
GL8	1/4 CLEAR AN	1/4 CLEAR ANNEALED	34 3/8	44 1/8	5	Temporary	"FRAME1"	0008	

11. You now have the ability to include all of the BOM, Glass Fabrication or Metal Fabrication lists to a table when generating shop drawings. When creating a Shop Drawing from the main area of the program there are some new check box options for what BOM items you want to be included in the table. When exporting from the Glass or Metal Fabrication screen it will automatically include the list of information into a table.



12. Created a screen to view manually created fab rules or to create a new fab rule in the library. This can be accessed from the TOOLS | UTILITIES | FAB RULES LIBRARY BUILDER menu or from the Fab Rules Library database screen by pressing the F10 key on the name field. This will help to visually see the fabrication information and help to eliminate mistakes. The fab part information must be filled out to represent a part in the draw fabs area.



13. Created a screen allows formulas to be created based on the function type of the part and the areas of the program that allow formulas. It helps to build the formula properly and also provides the only available formulas for the selection made. Once the formula is created you can copy it to the clipboard and paste into the field where the formula is required. This can be accessed from the TOOLS | UTILITIES | FAB FORMULA BUILDER menu or by pressing the F10 key from any of the metal groups screens and the Fab Operations screen of the Fab Rules Library.

14. Additional Changes

- a. Corrected some door frame fab locations on in certain type configurations
- b. Added the ability to have a different undercut or extension for a head/sill perimeter filler between the jamb and interior vertical.
- c. Added the option to add a "CUT" fab operation to use the saw on a Rhino for a secondary cut.
- d. Corrected an issue when editing assembly data and modifying the cut rules and the changes not holding.
- e. Within the new mykkap.com environment, you can upload data from a CSV (Comma Separated Values) file that includes YKK AP's part #'s and quantities. Run a Purchase Order and click on Create YKKAP Export button.

15. Database Changes

- a. ARCADIA
 - i. Added AFG451T Front set groups (verified by Arcadia)
 - ii. Added AG451 Center set groups (verified by Arcadia)
 - iii. Added AG451T Center set groups (verified by Arcadia)
 - iv. Added OPG 1900 7" Curtain Wall group (verified by Arcadia)
 - v. Added OPG 3000 6", 10", 11 1/8" Curtain Wall groups (verified by Arcadia)
 - vi. Added TC470 Front set groups (verified by Arcadia)
 - vii. Added or modified other groups (NOT verified by Arcadia)
 - viii. Updated fabrications on misc. extrusions
- b. EFCO
 - i. Updated 5600PG groups
 - ii. Modified and added fabrications on S403X and S406 parts
 - iii. Added weights to gasket parts
 - iv. Obsoleted numerous parts
- c. TUBELITE

- i. Added INT67 groups**
- ii. Added 400 series VHB Cassette groups and updated other 400 series Cassette groups**
- iii. Modified door frame templates to update with new parts**
- iv. Added several new Sunshade assemblies**
- v. Updated expansion mullion for E14000/T14000 groups**
- vi. Updated keywords on several door and door frame parts**