Wintec Aluminium

DESIGN TRAINER MANUAL

V6

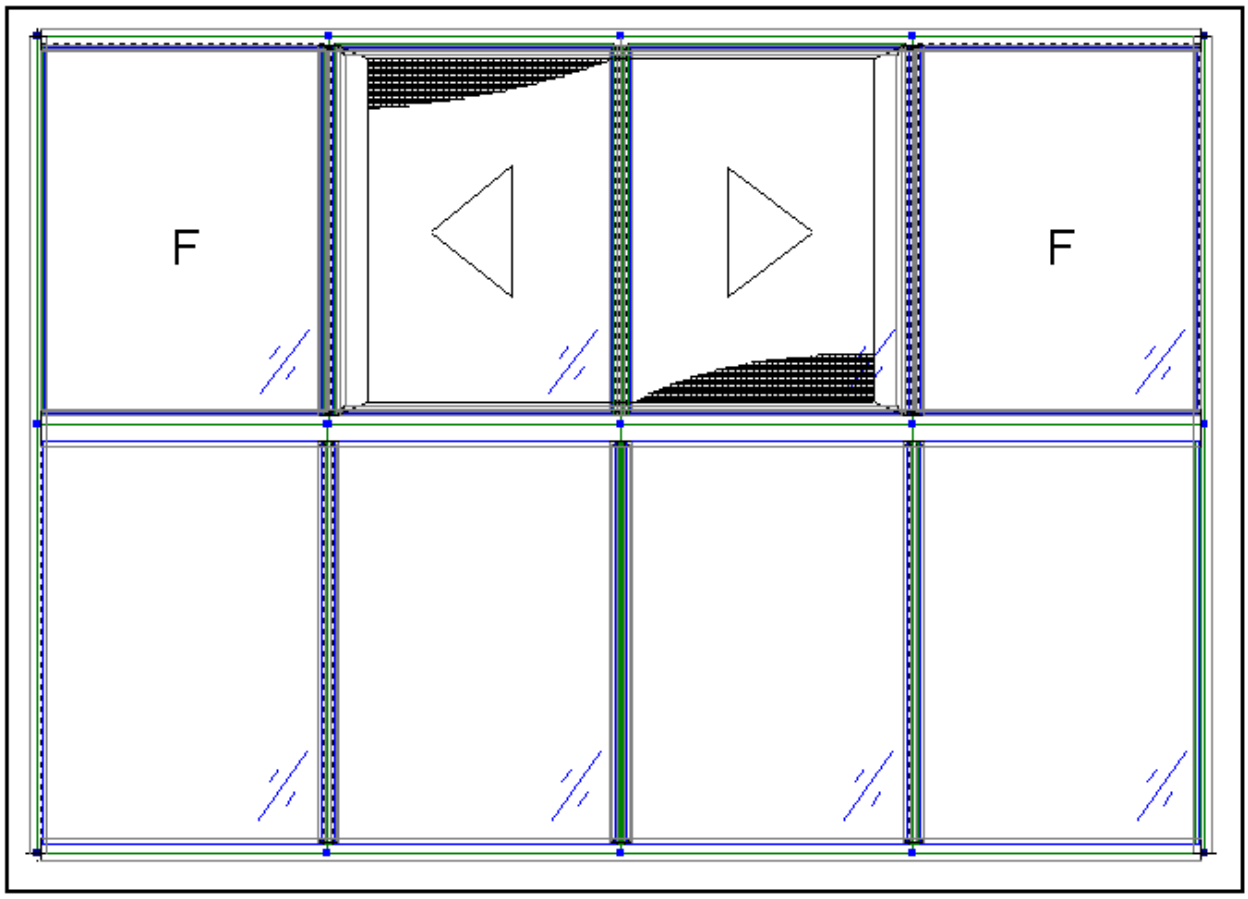
Summary of Chapters

Welcome to the WINTEC V6 Design Training Manual.

This document will guide you through the most relevant tools needed to design a frame in V6.

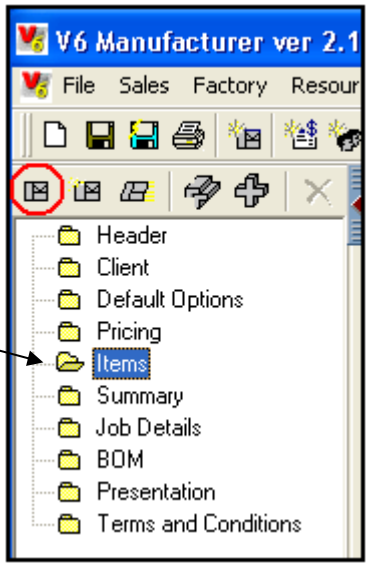
You will create a quote and use all of these tools to make 2 frames.

48mm Sliding Window



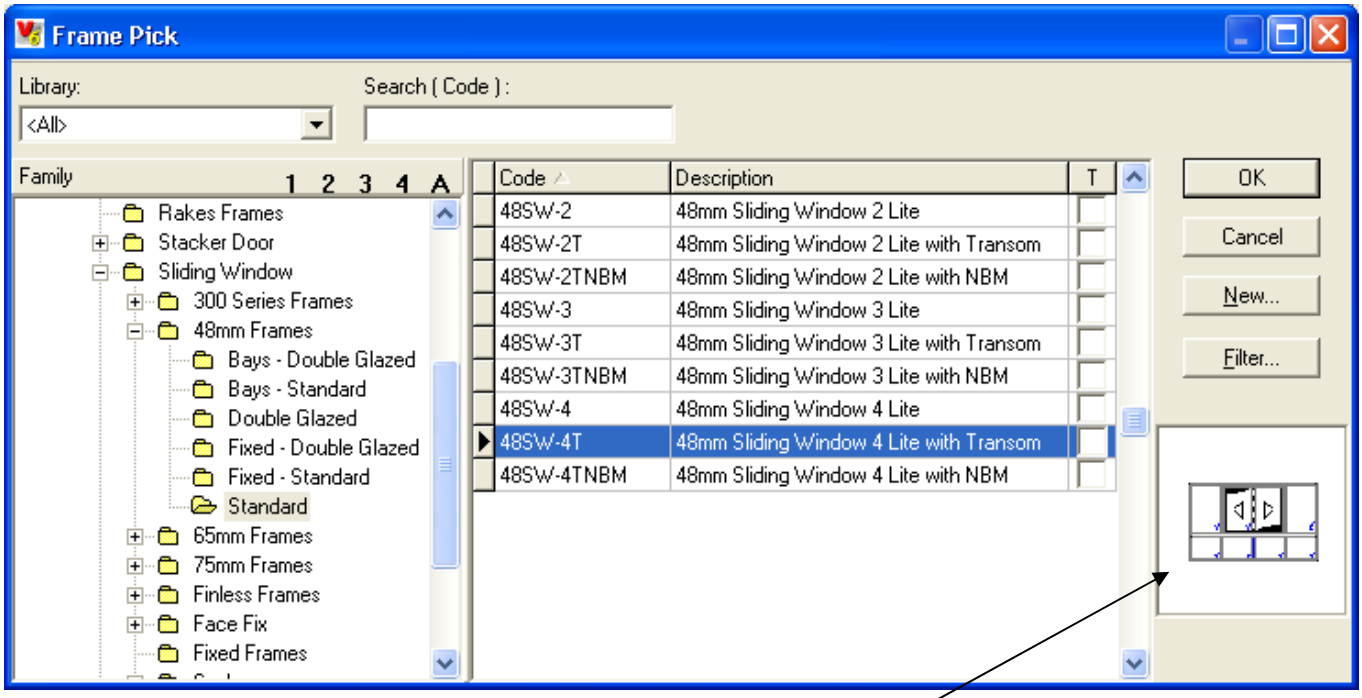
1. Select NEW QUOTE from the toolbar

2. Select ITEMS from the quote tree, then ADD FRAME from the quote toolbar



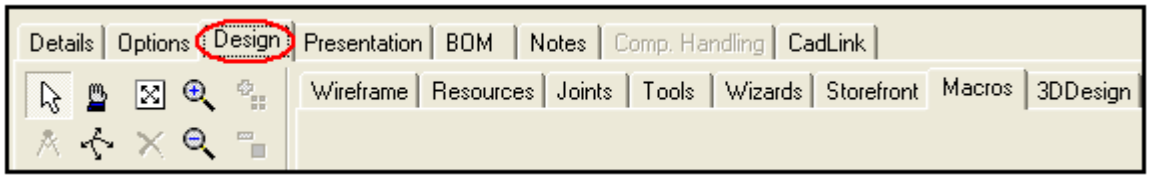
3. From the left-hand side of the picker window, select Sliding Window > 48mm Frames > Standard, then from the right-hand side select 48SW-4T: 48mm Sliding Window 4 lite with Transom.

4. Click OK to continue.

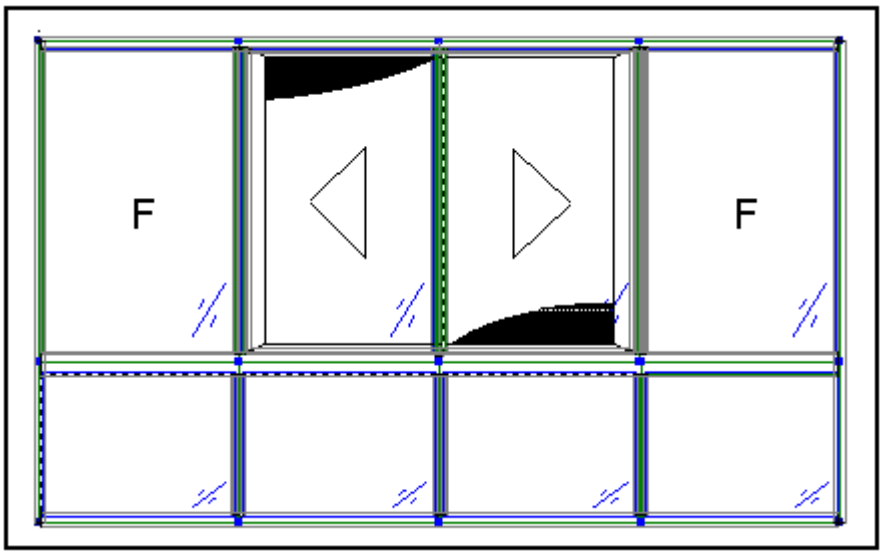


Note a thumbnail picture of the frame is shown on the right-hand side.

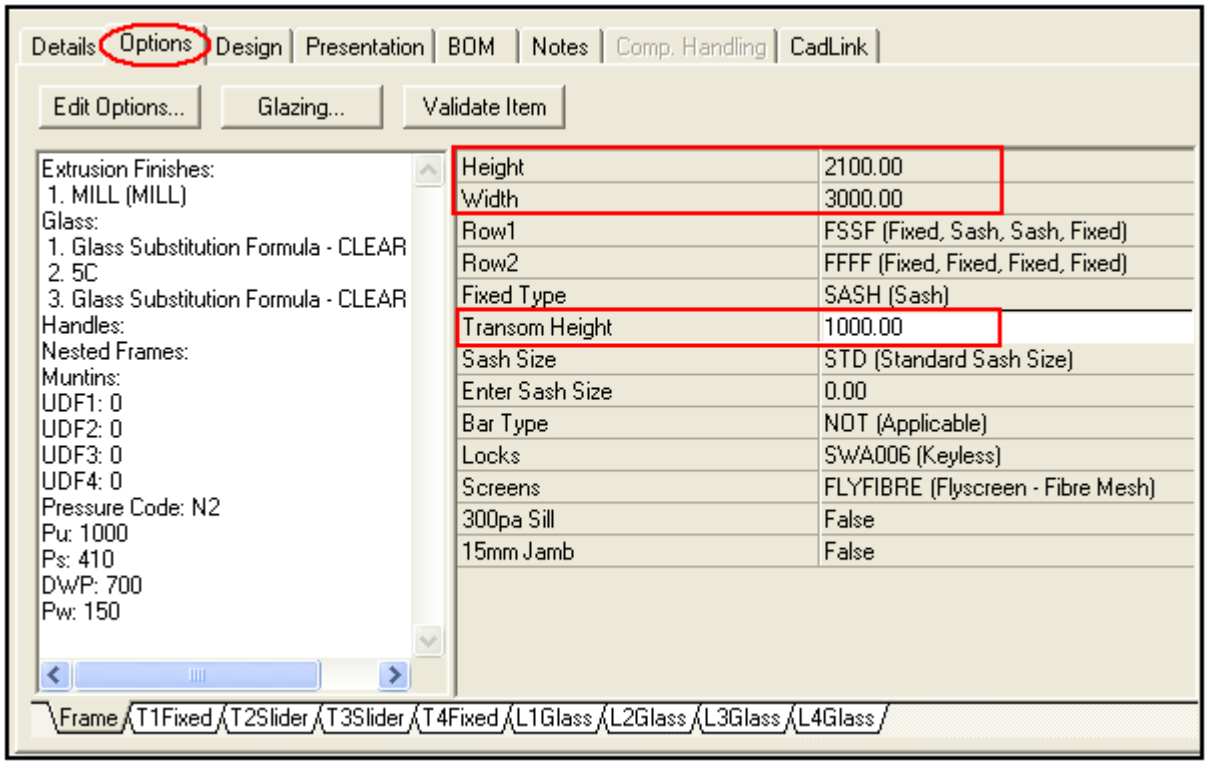
5. Open the DESIGN tab



Your frame should look like this-

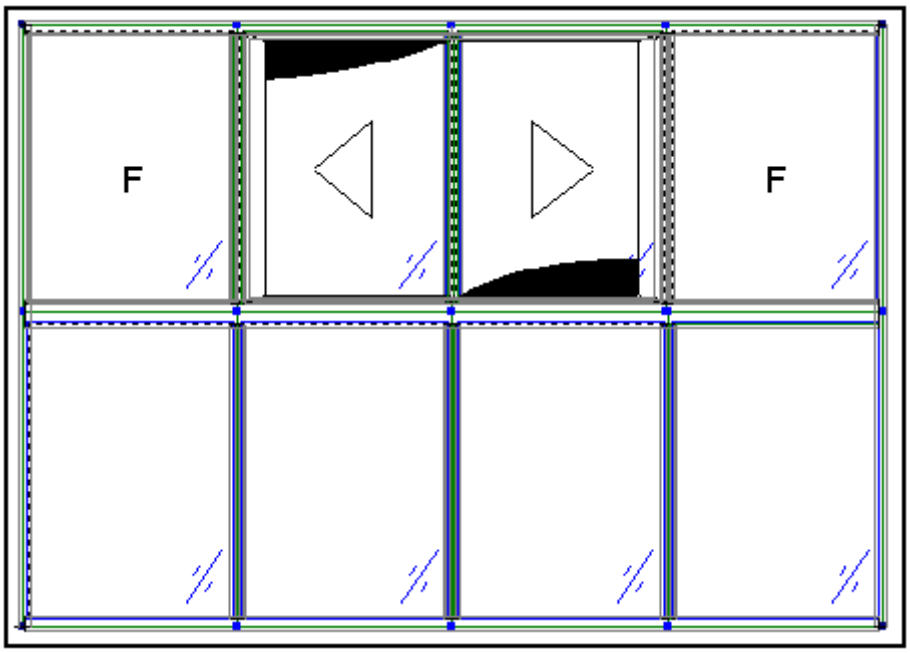


6. To make changes to the frame design, select the OPTIONS tab. From here you can change the frame size, configuration, hardware options, glass, etc..



Eg: Change the frame Height to 2100 and the Width to 3000, then change the Transom Height to 1000

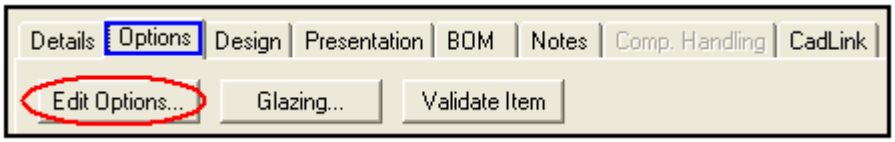
The frame should now look like this-



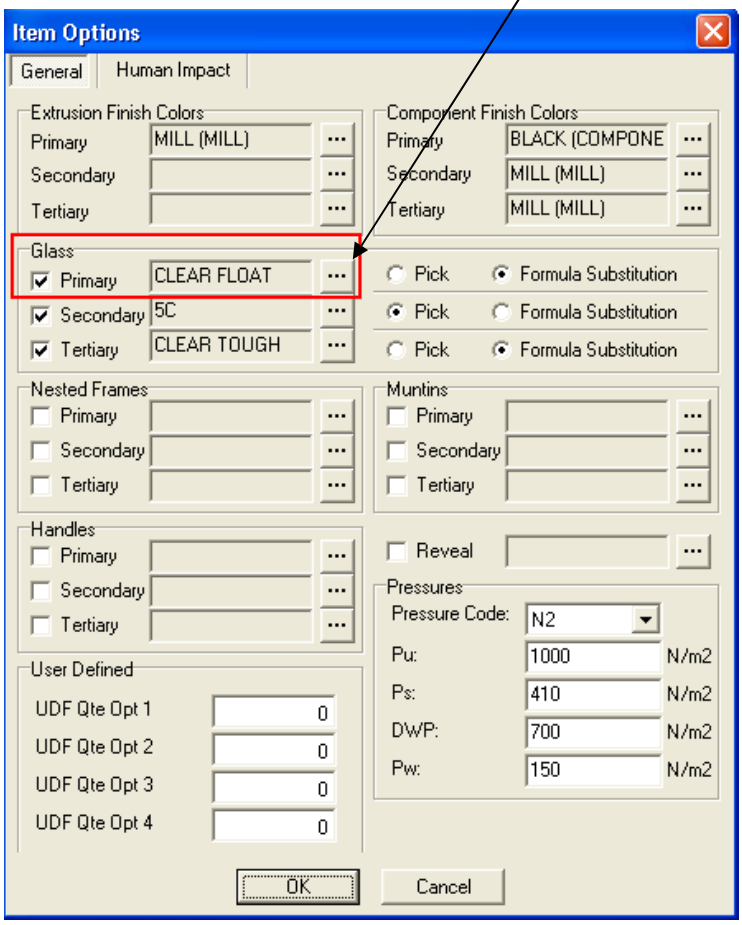
CHANGING THE GLASS

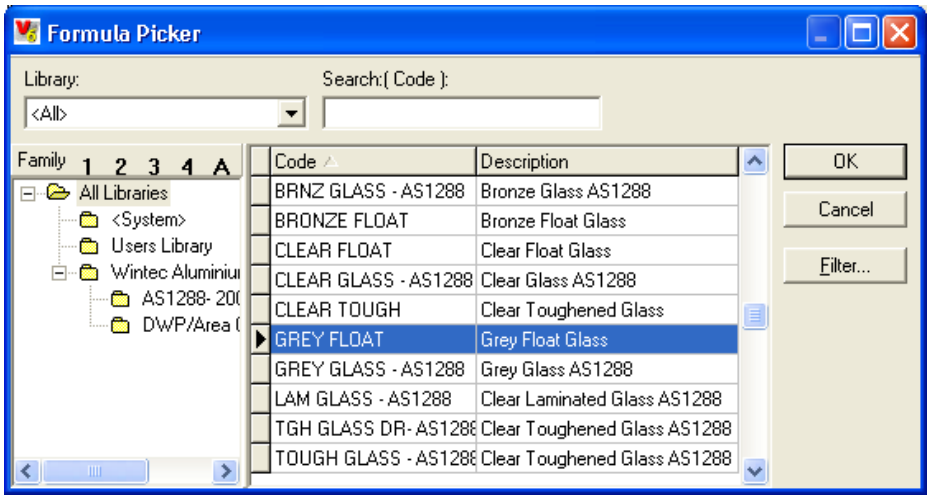
There are 2 ways to change the glass-

1. From the OPTIONS tab, select EDIT OPTIONS

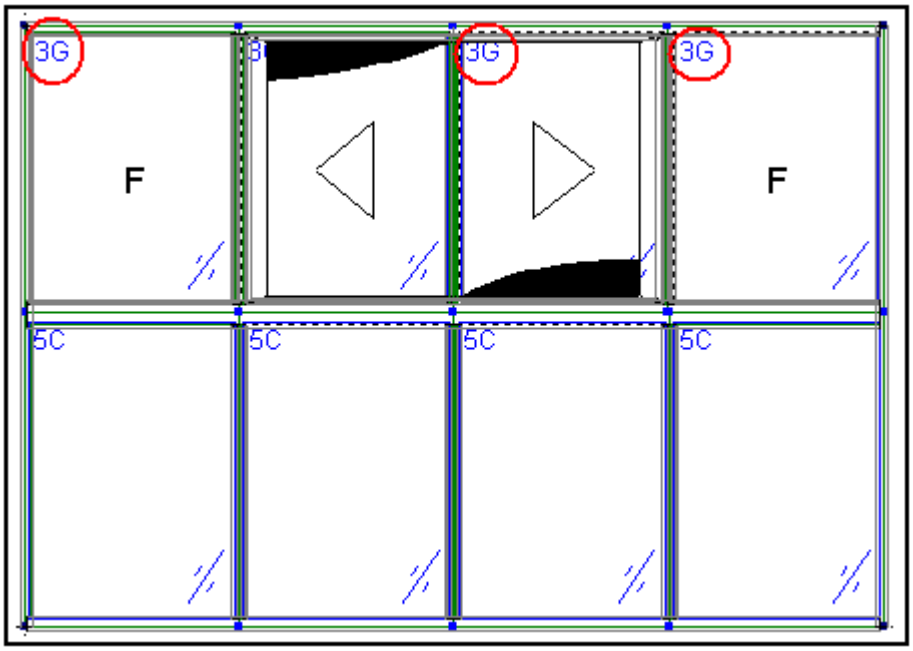


To change the primary glass to Grey Float, select the primary glass picker, choose Grey Float, then click OK



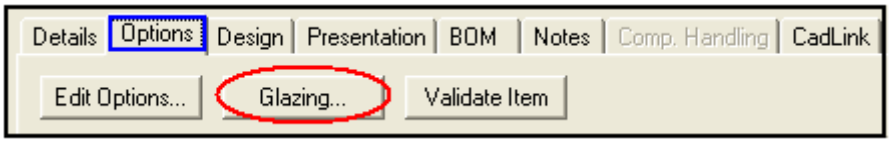


The primary glass has changed to 3mm Grey-



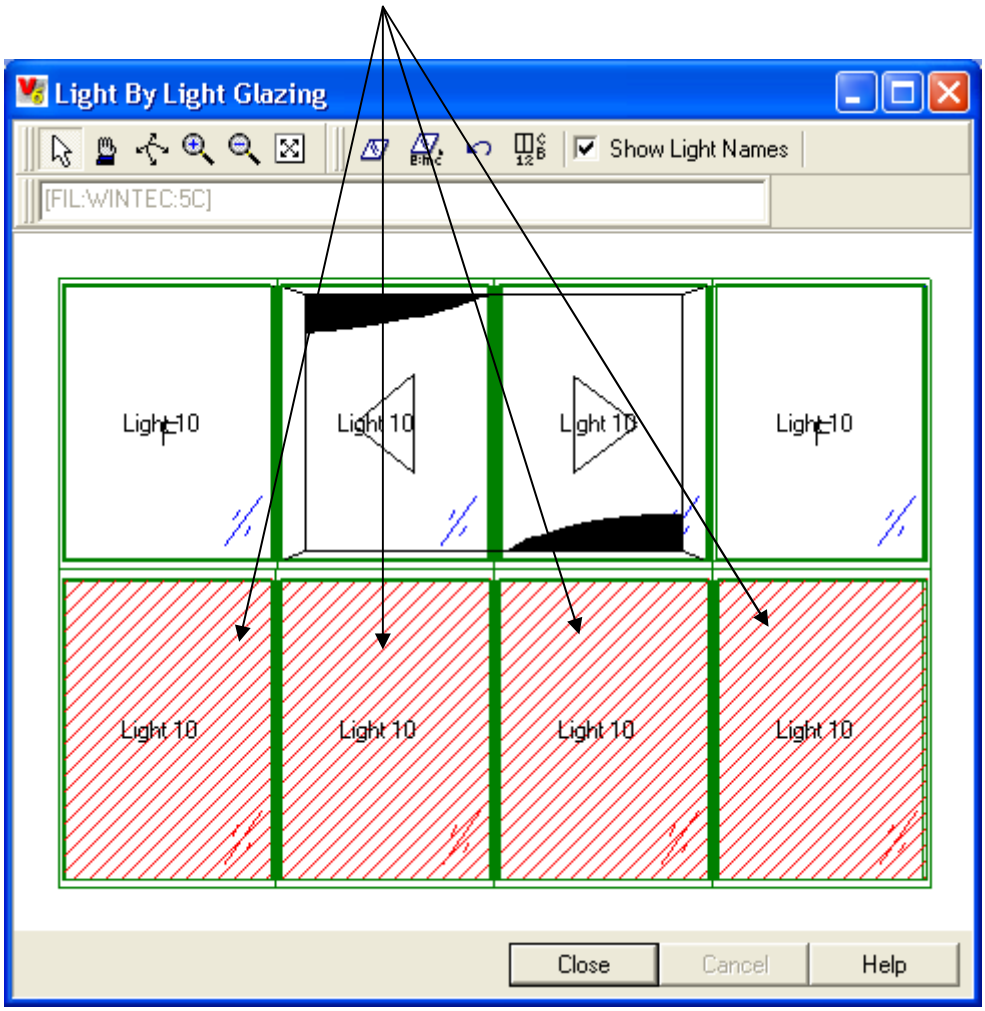
OR

2. From the OPTIONS Tab, select GLAZING

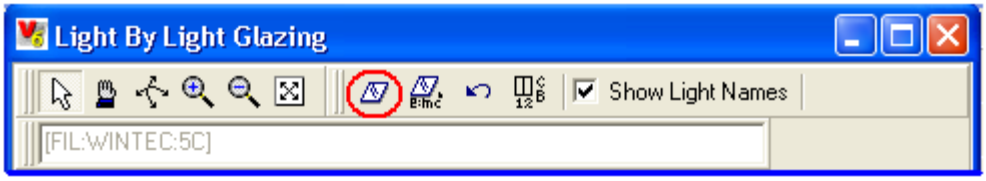


The following warning will appear. Click YES to continue.

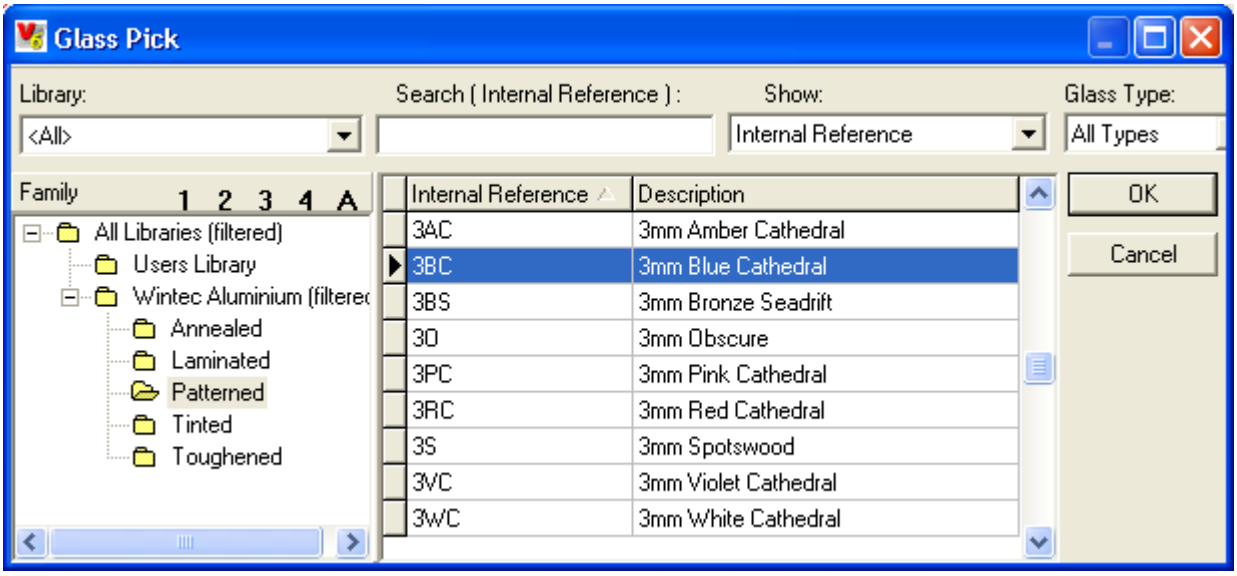
Left mouse click on the panel you want to change, or to change multiple panels hold down the shift key & left mouse click all panels to be changed.



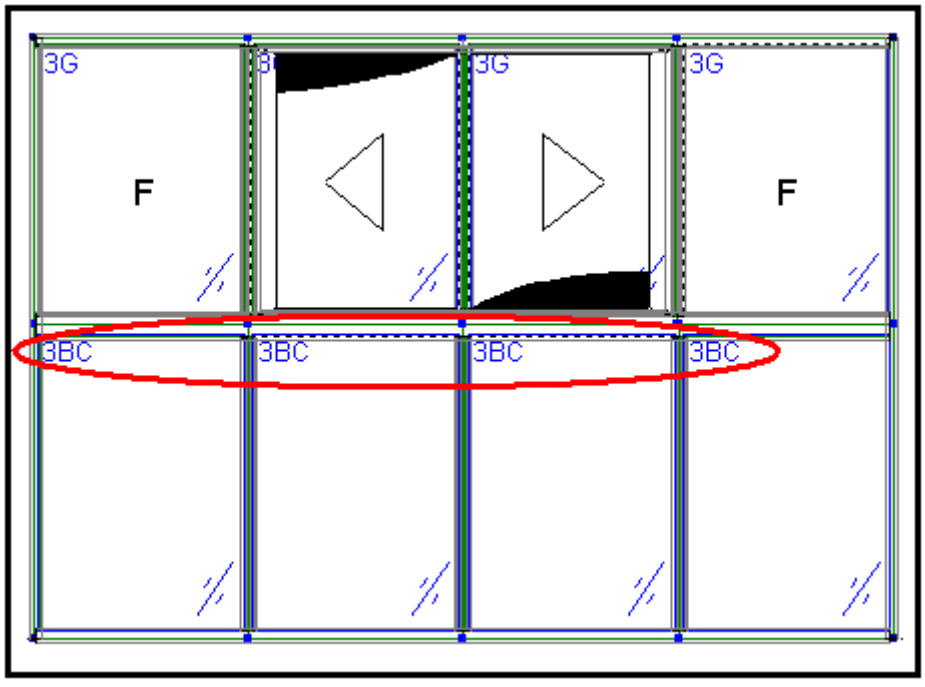
Select the Fill/Replace icon



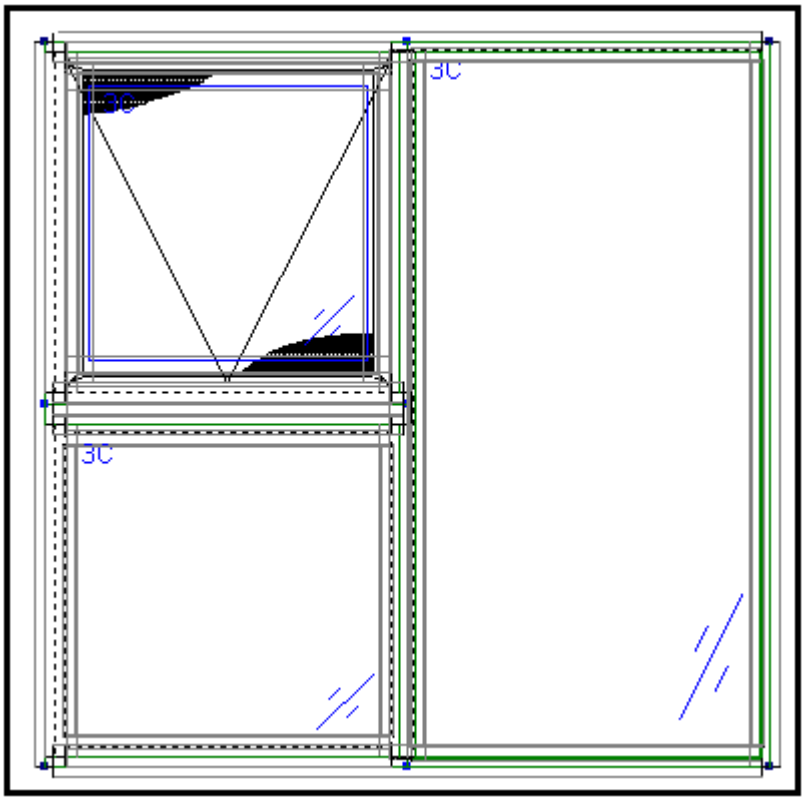
From the Glass Picker, choose PATTERNED on the left, and then BLUE CATHEDRAL on the right.
Click OK to close & update



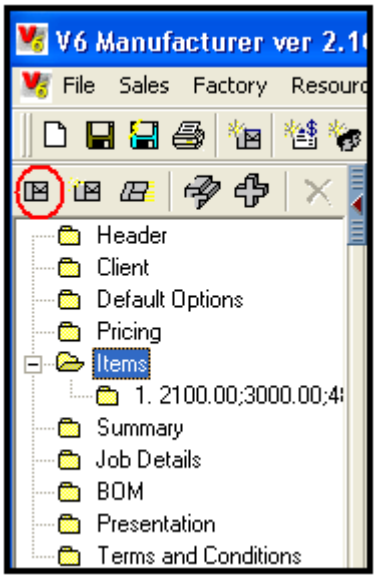
The glass has now changed in the selected panels



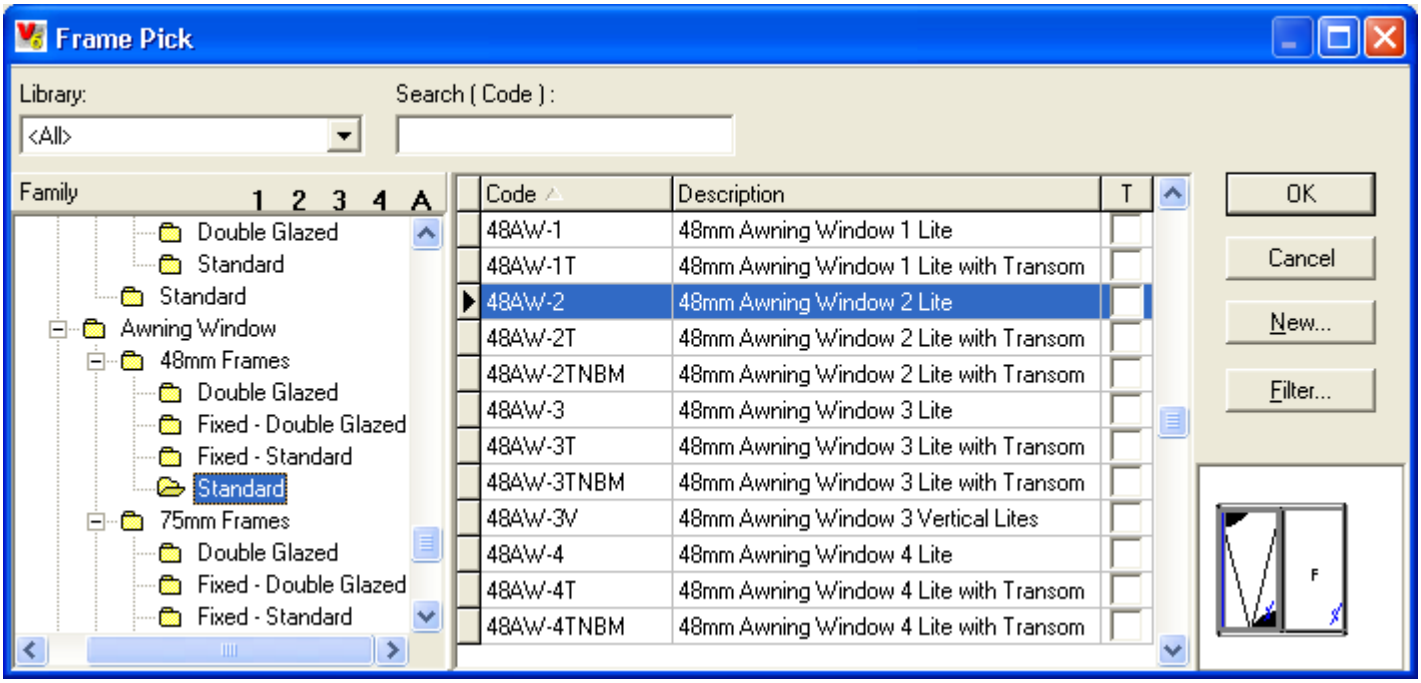
48mm Awning Window



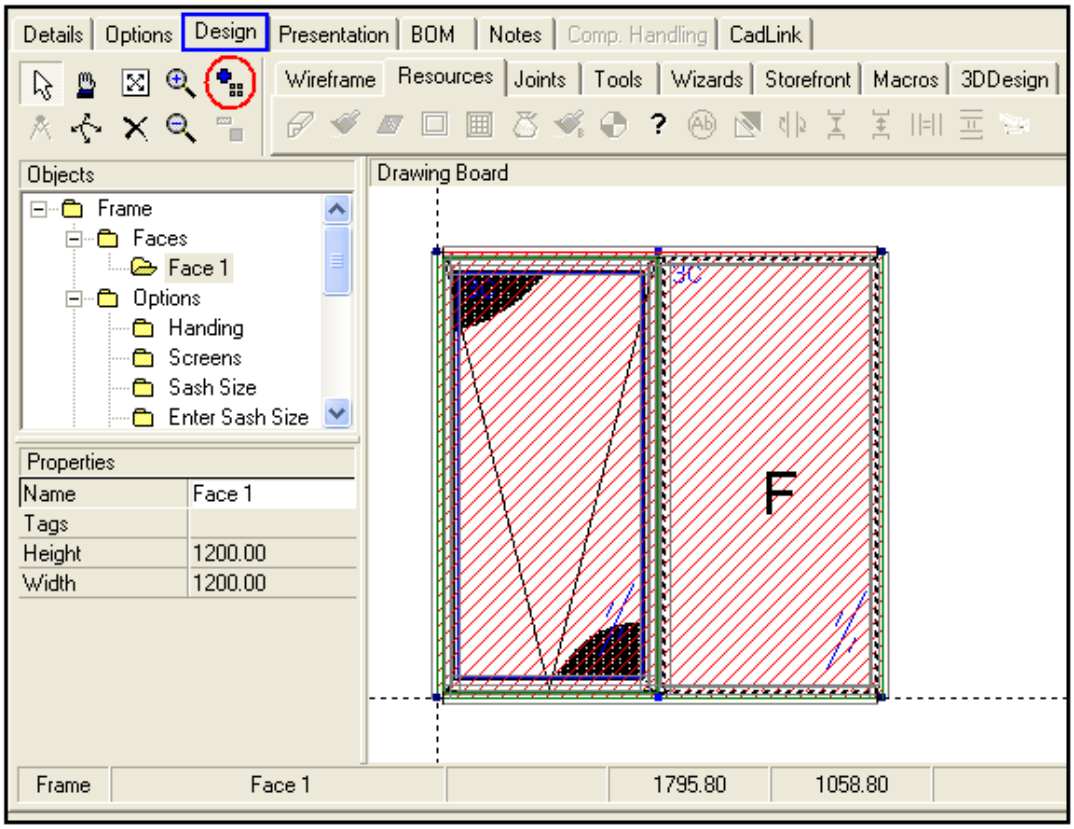
1. Add another item to the same quote by selecting ITEMS in the Quote Tree and then the ADD FRAME icon



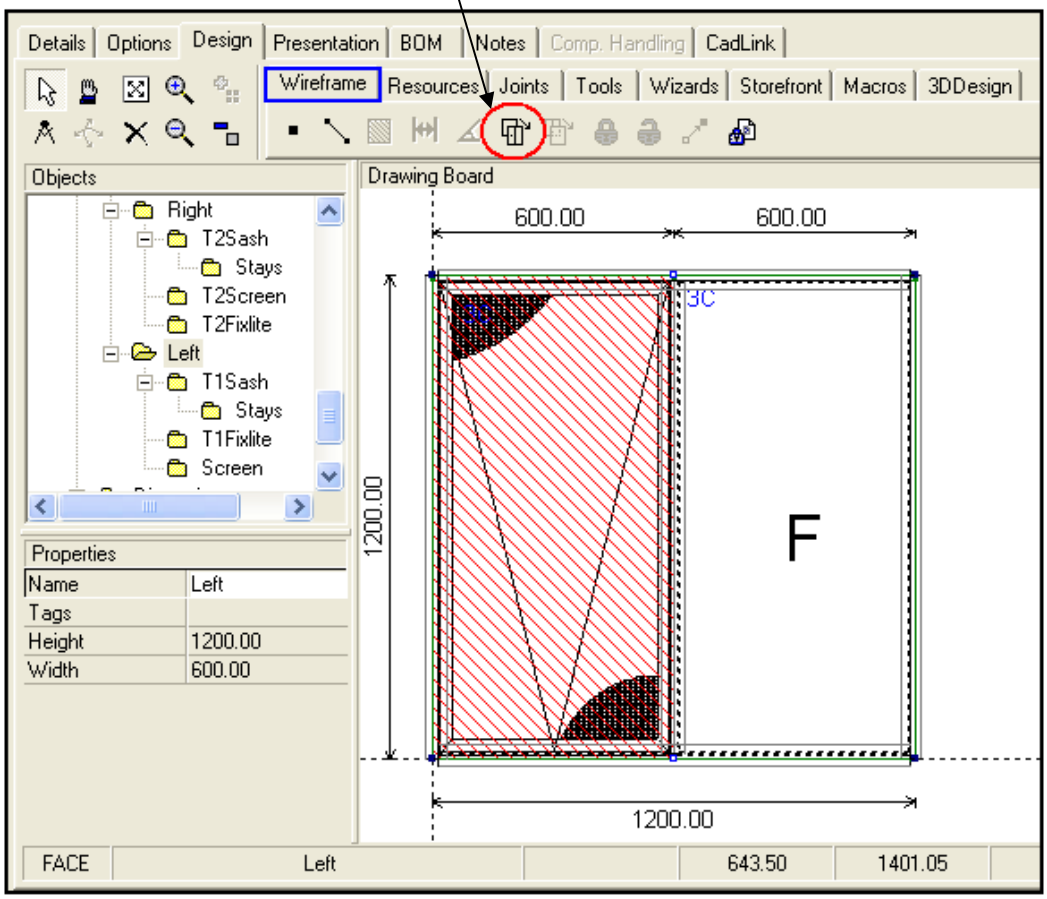
2. Select an existing frame that is close to the required style.
For this example we will use the 48mm 2 lite Awning Window



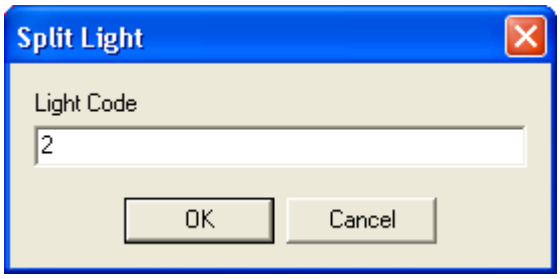
3. Open the DESIGN tab, click on the frame so that it turns red, the click on the ZOOM INTO icon



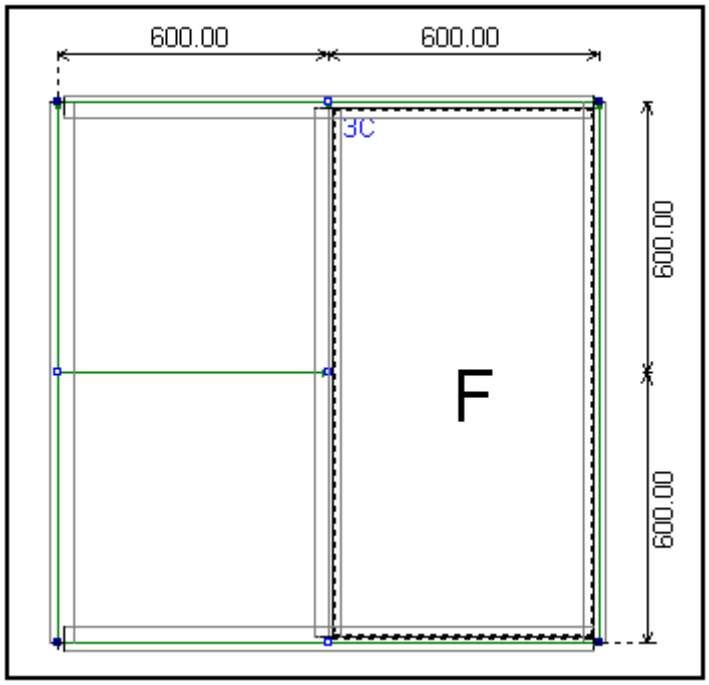
4. Click on the LH lite so it turns red
5. Go to the WIREFRAME tab and select the SPLIT LIGHT icon



6. Type "2" into the Split Light Code box and click OK



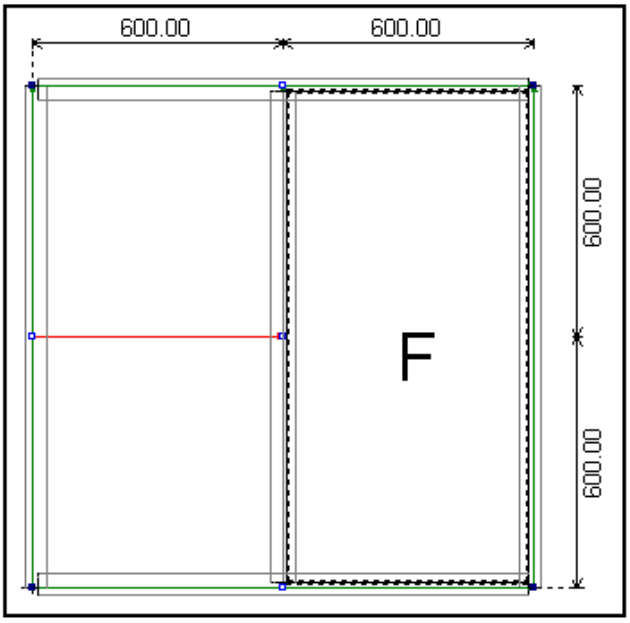
The frame now appears with 2 lights on the LH side-



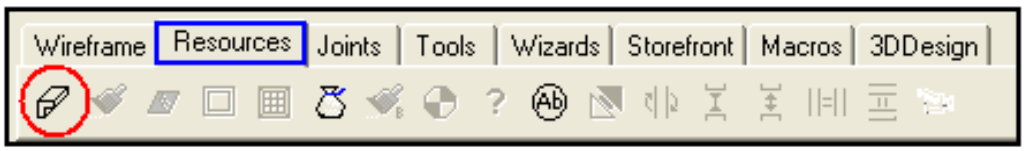
ASSIGNING AN EXTRUSION

We now need to assign an extrusion to the split light.

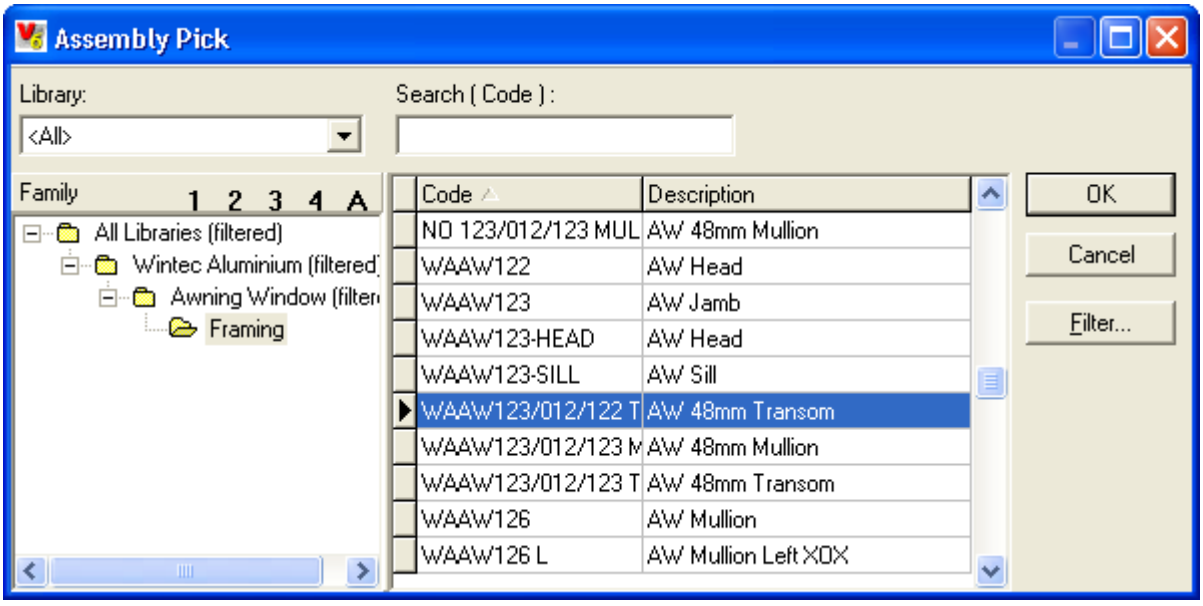
1. Click on the horizontal line in the LH light so that it turns Red



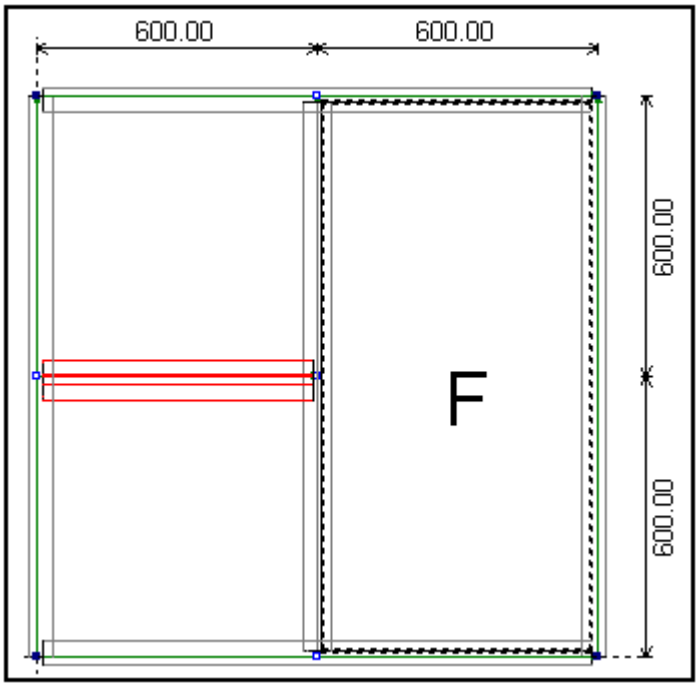
2. Select the RESOURCES tab, then the ASSEMBLY icon



3. Select the appropriate assembly for this bar, then click OK



The assembly has now been placed on the line

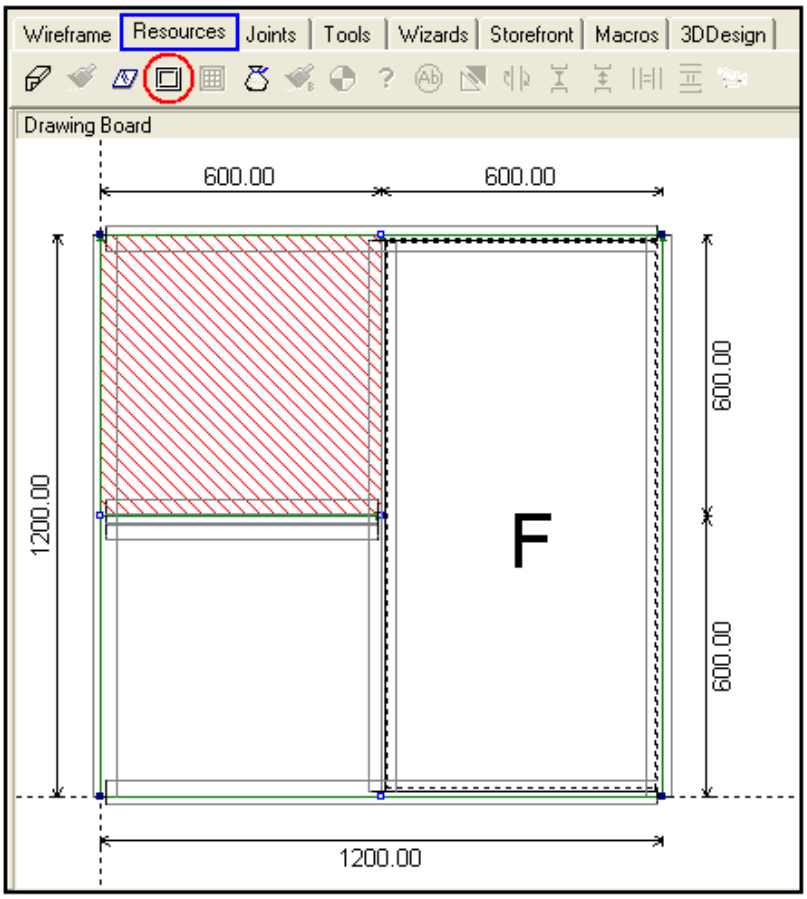


ADDING AN AWNING WINDOW

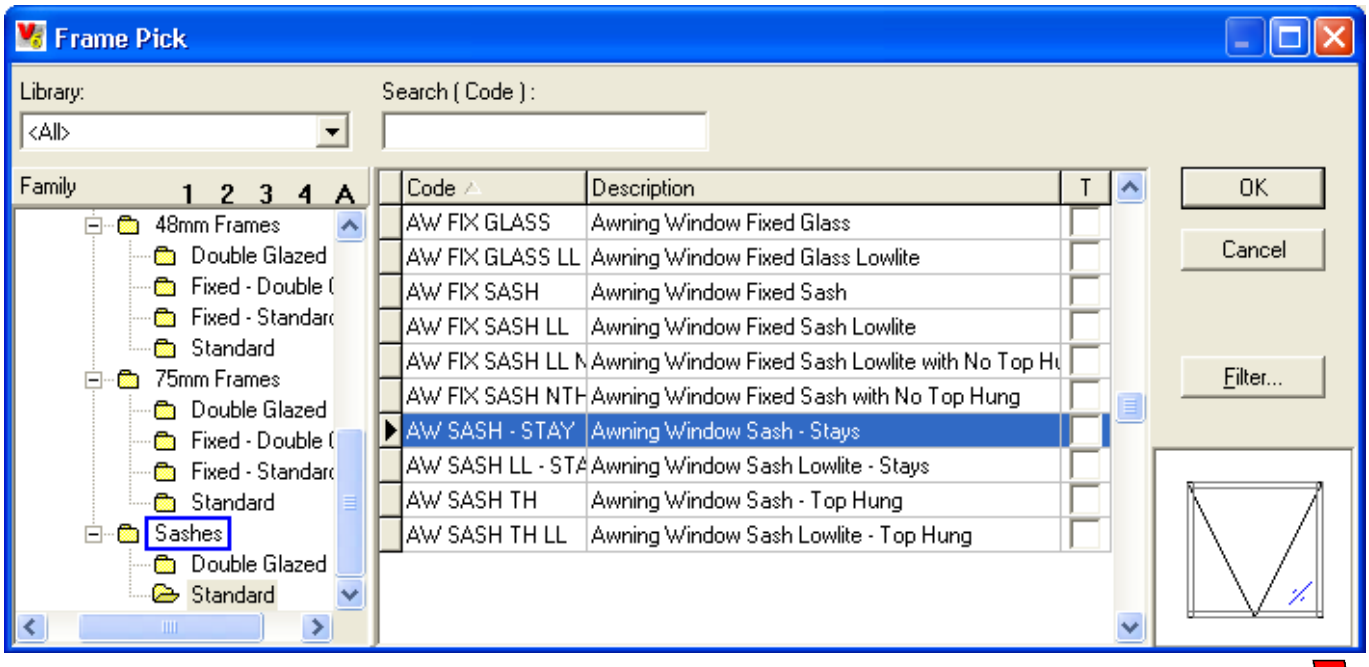
We will now add an awning window to the top lite.

1. Click on the lite so it turns Red

2. Select the RESOURCES tab, then the NESTED FRAME icon



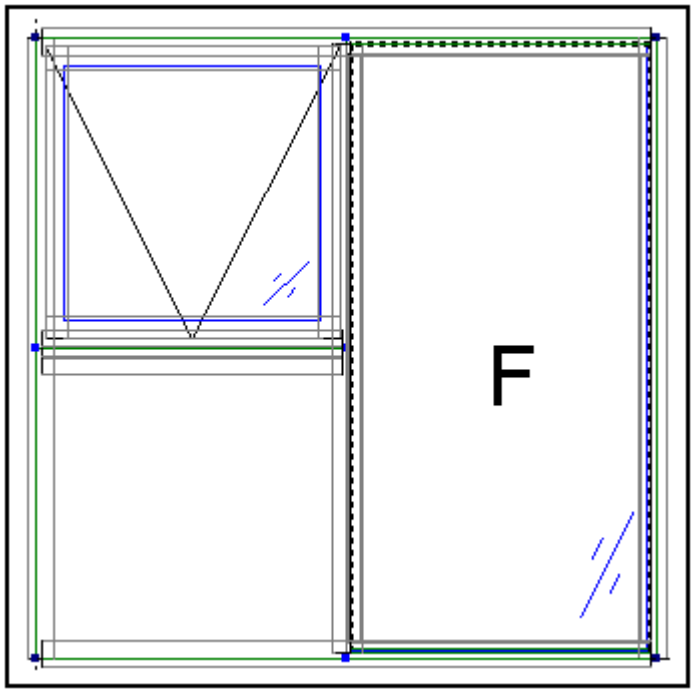
3. Choose STANDARD SASHES from the family tree, then choose AW SASH—STAY



4. Select the appropriate receptor for the sash to fit into, then click OK

Note: It is VERY important to select the correct receptor for the AW Sash.
An Awning Sash receptor should be Sash
A Fixed Lite should be Sash
A Fixed Lite glazed into the frame should be Fixed Bead
A Flyscreen should be Screen

Your frame should now look like this-

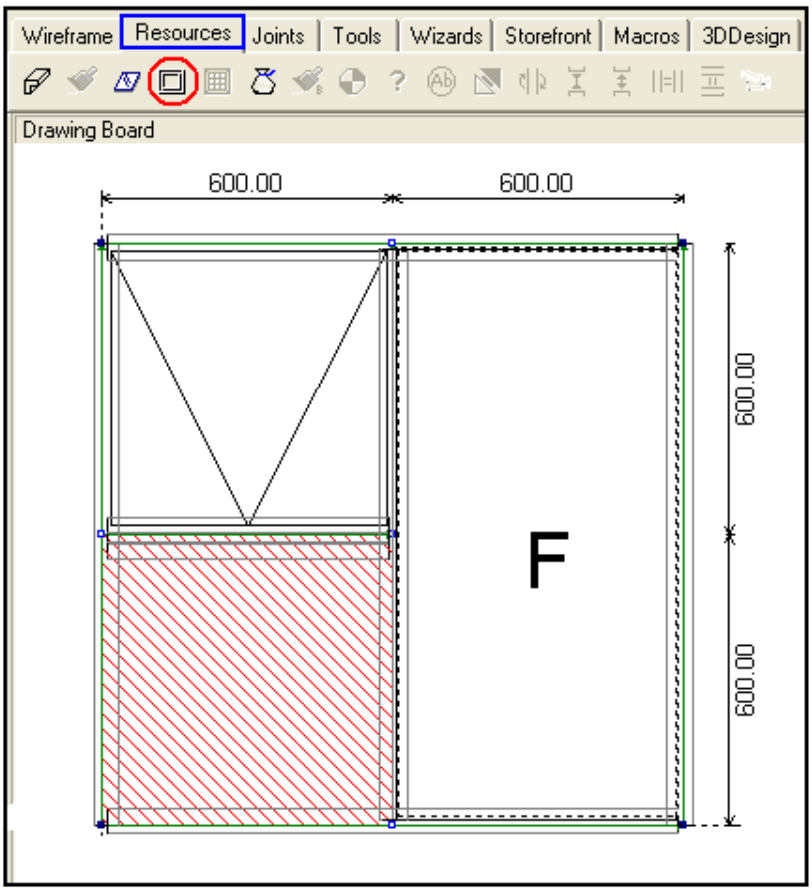


ADDING A FIXED LITE WINDOW

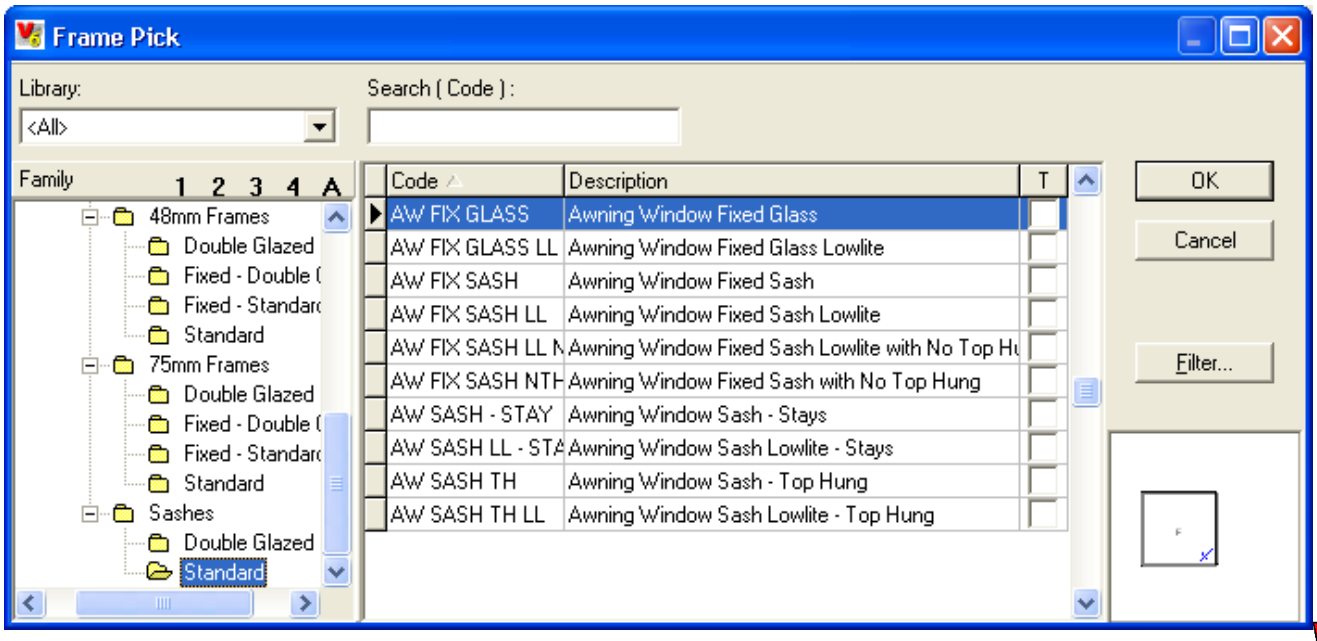
We will now add a Fixed Lite under our Awning window.

1. Click on the bottom lite so it turns Red

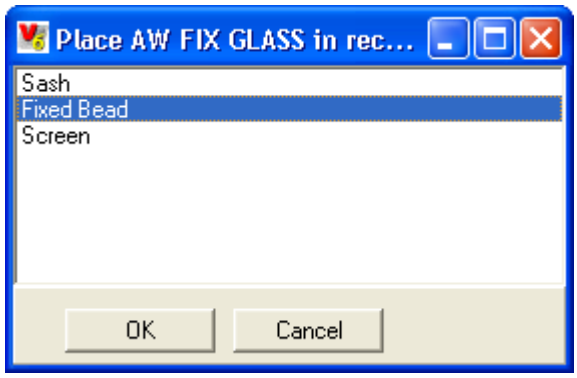
2. From the RESOURCES tab, select the NESTED FRAME icon.



3. Select STANDARD SASHES on the left, then AW FIX GLASS on the right, then click OK

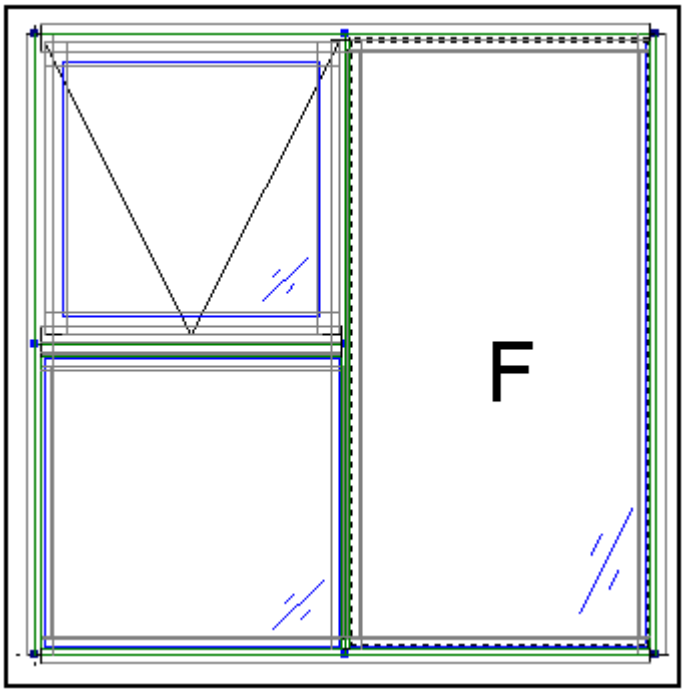


4. Select the appropriate receptor for the sash to fit into, then click OK



Note: It is VERY important to select the correct receptor for the AW Sash.
An Awning Sash receptor should be Sash
A Fixed Lite should be Sash
A Fixed Lite glazed into the frame should be Fixed Bead
A Flyscreen should be Screen

You now have a fixed lite under the awning-

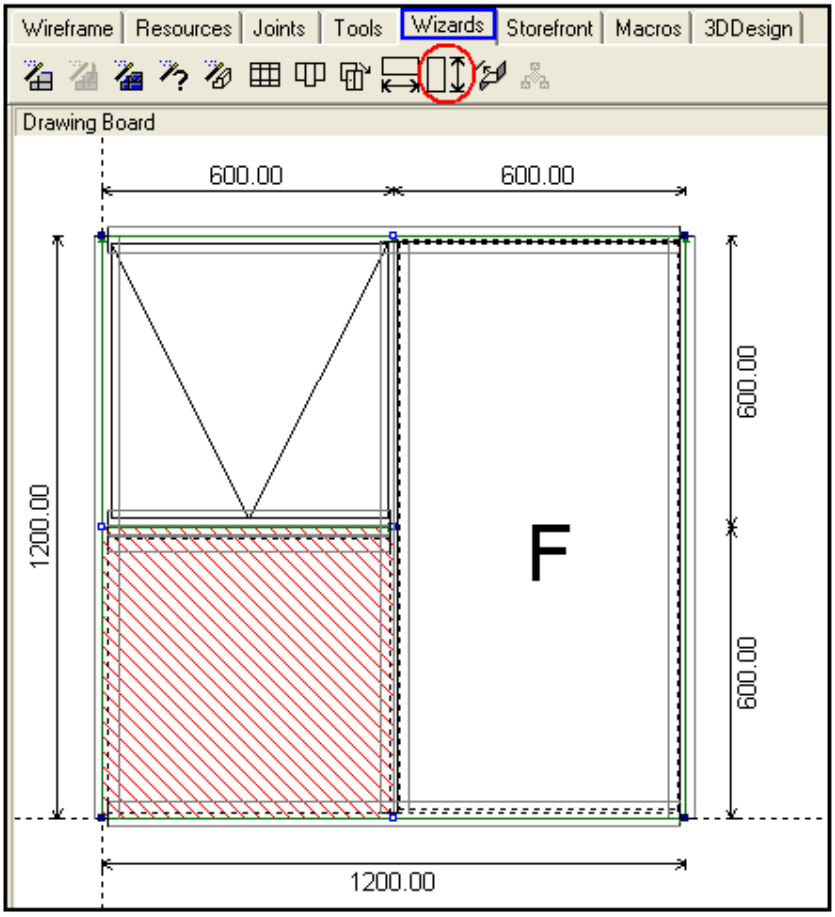


ADDING A DIMENSION TO A FIXED LITE

We will now add a dimension to the LH low lite.

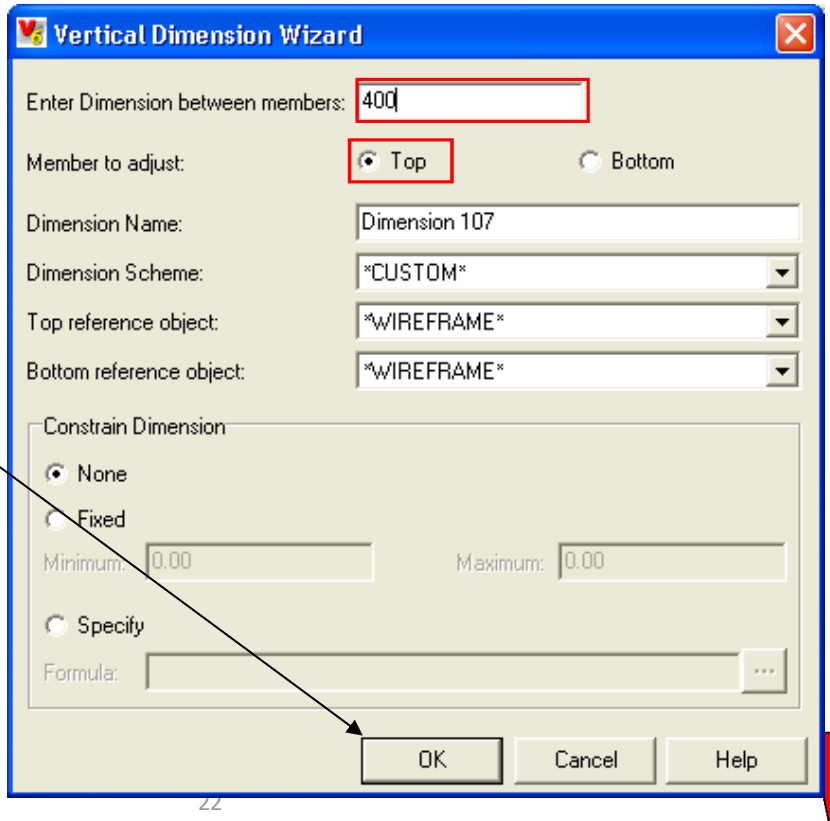
1. Click on the lite so it turns Red

2. Open the WIZARDS tab, then select the VERTICAL DIMENSION WIZARD

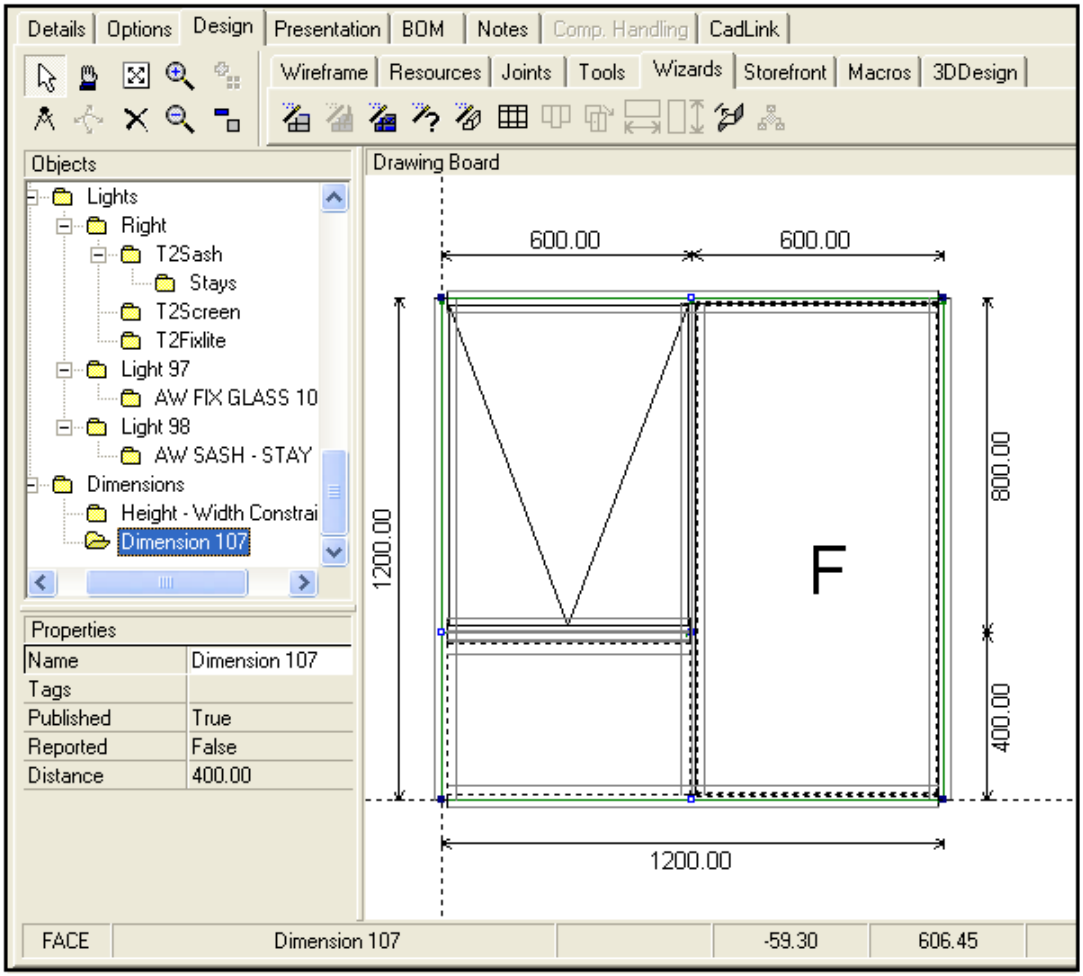


3. Enter a dimension of 300, and adjust the TOP member of the lite

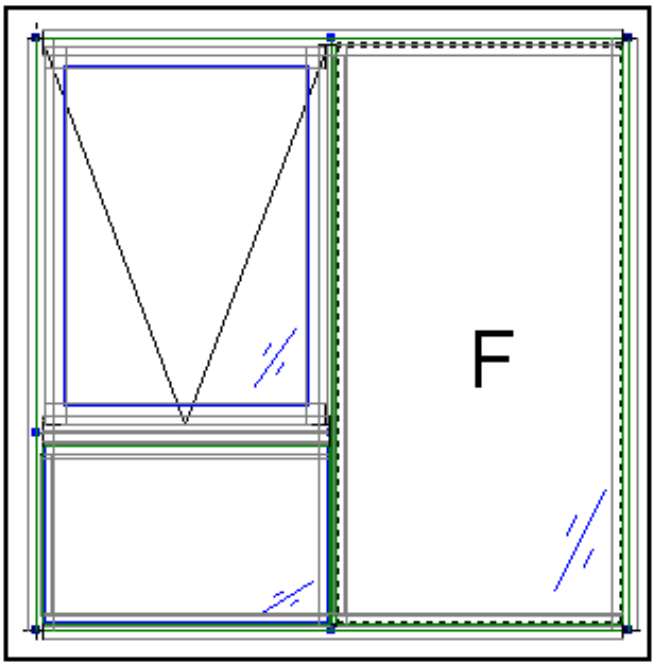
Then click OK



The bottom lite dimension has now changed, and the dimension has been added to the Objects Tree so you can alter it again if you wish



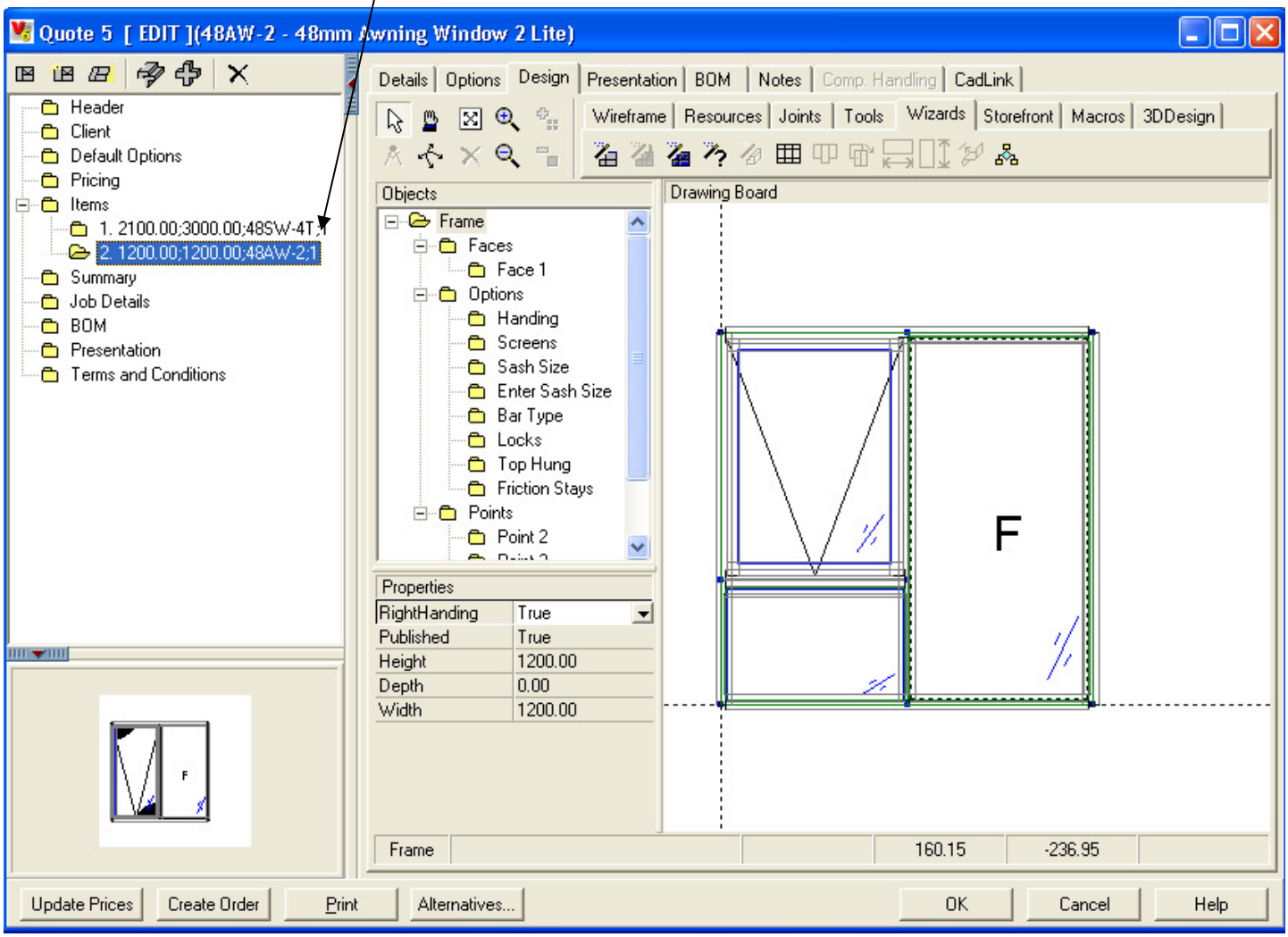
Your frame is now complete!



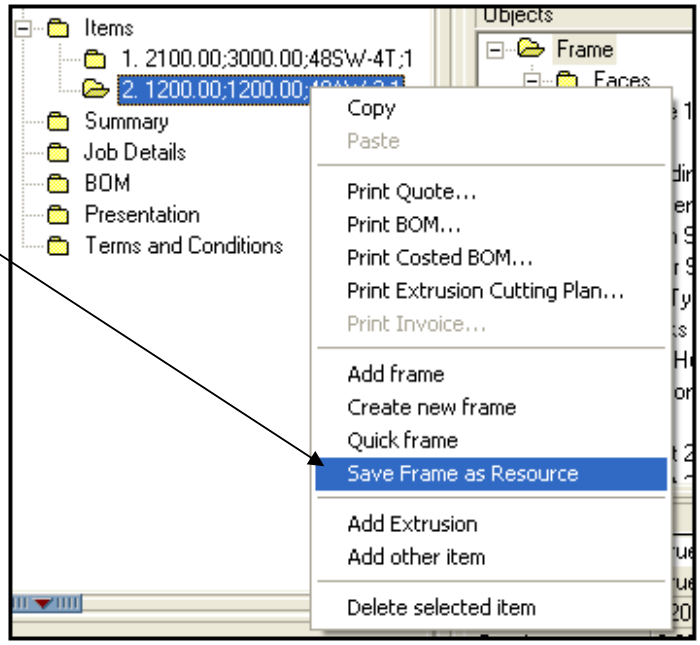
SAVING A FRAME

You can save this frame for use in other quotes by following these steps…

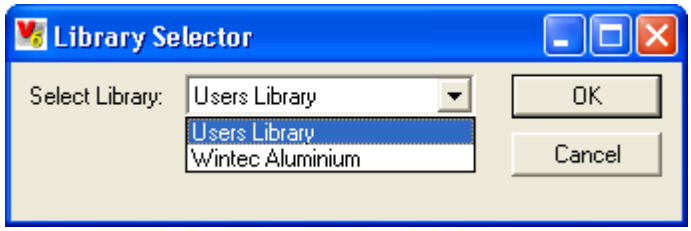
1. Highlight the frame on the Quote Tree



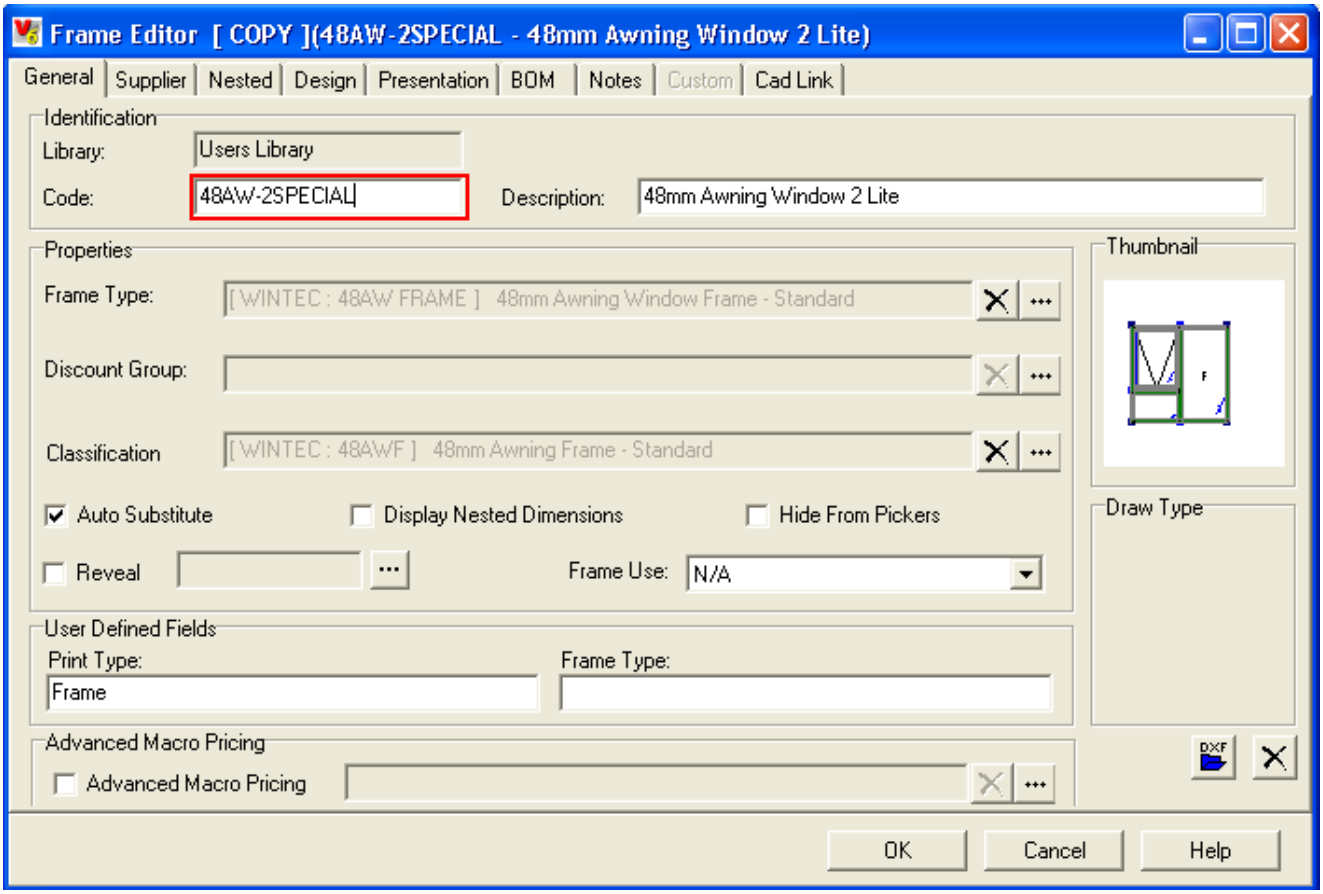
2. Right-click on the frame, and select SAVE FRAME AS RESOURCE



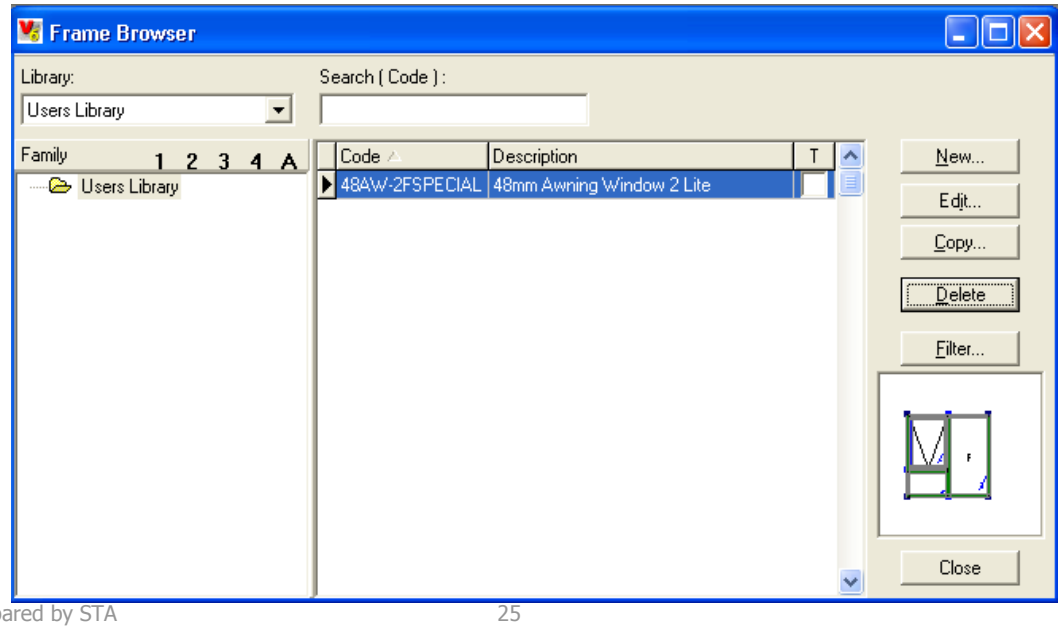
3. Select the USERS LIBRARY
(By doing this any WINTEC updates will not override the saved frames)



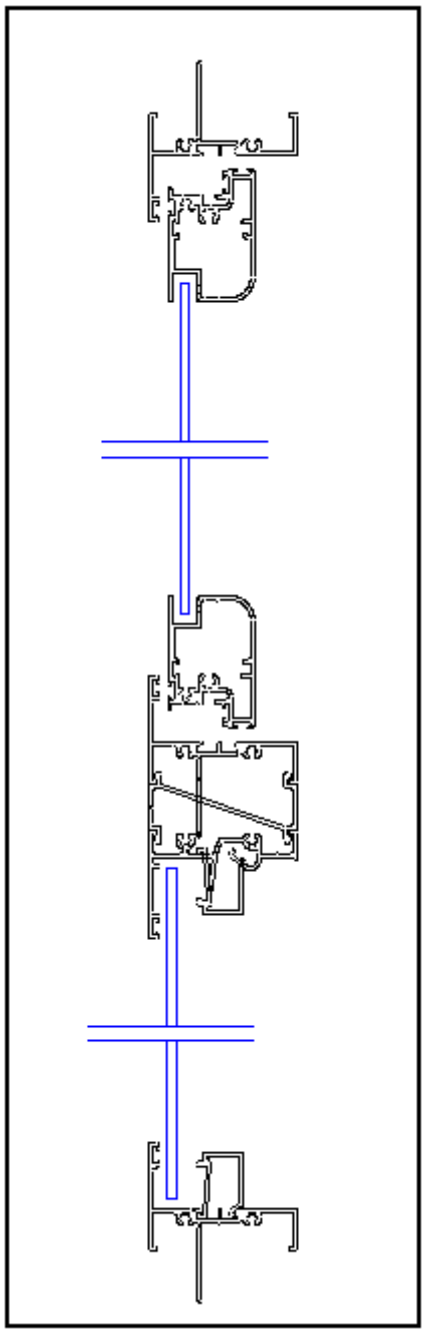
4. Enter a code for the frame & click OK



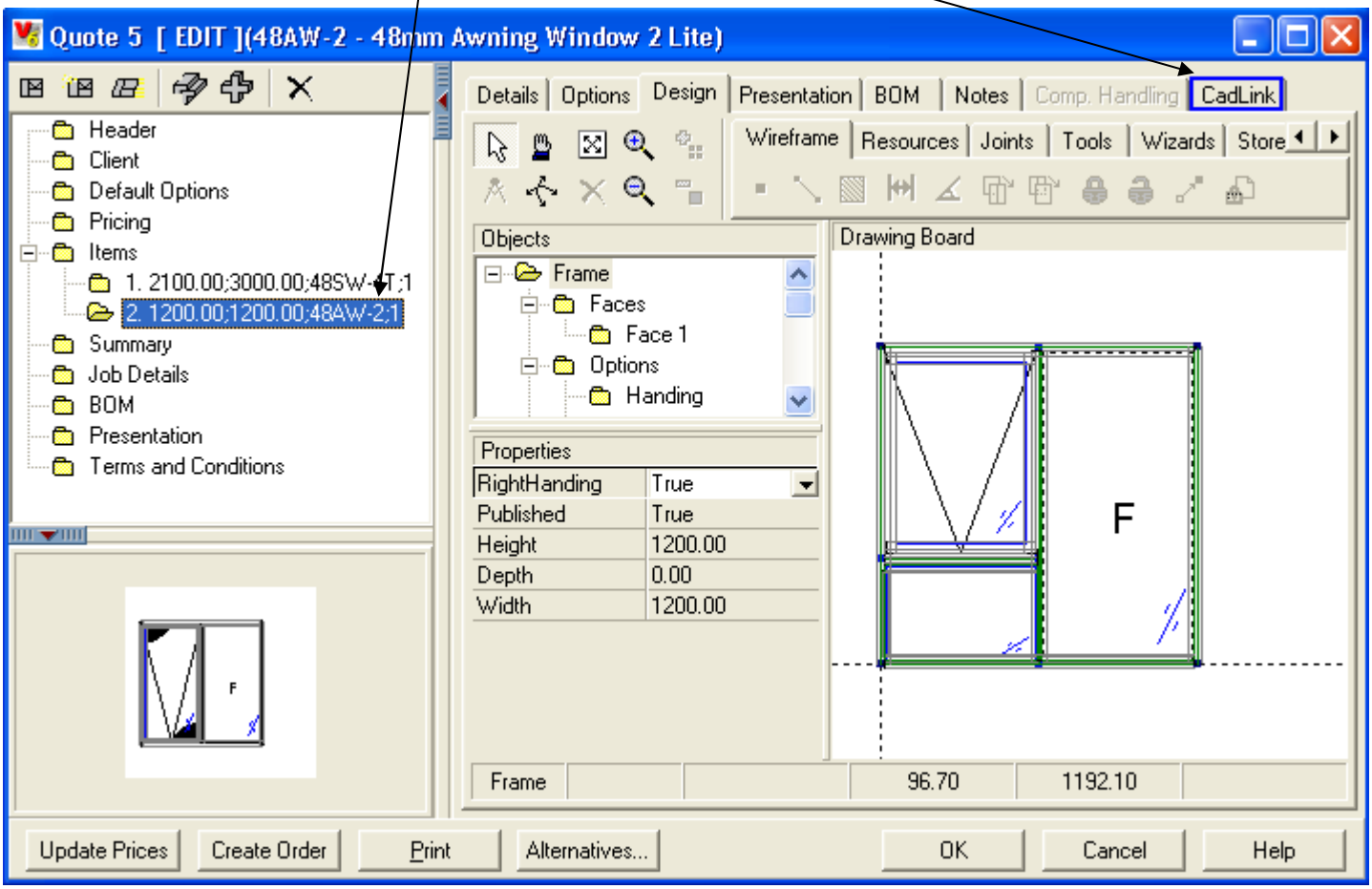
The frame will be saved in your USERS LIBRARY & can be used for any other quote.



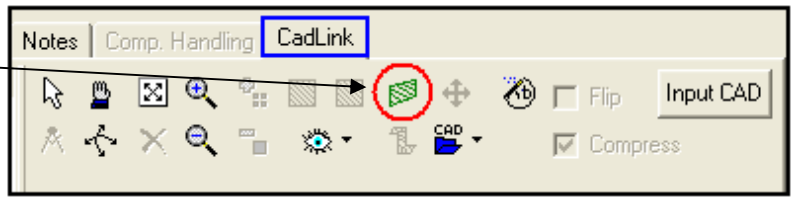
CAD LINK



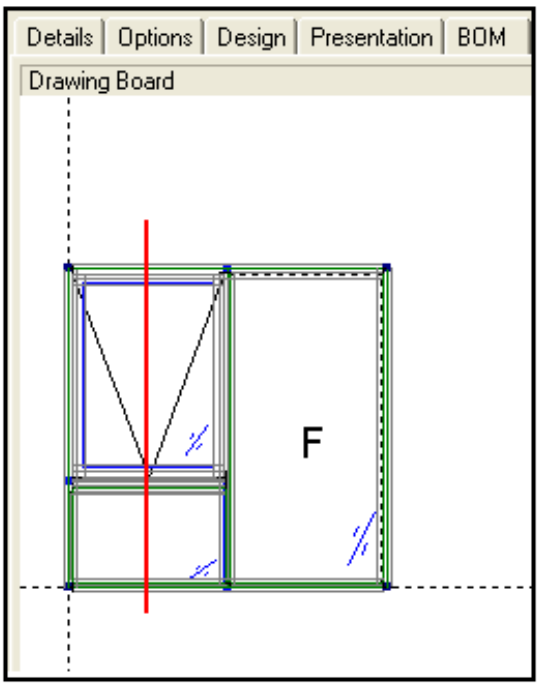
1. Select the frame from the Objects Tree, then open the CADLink tab



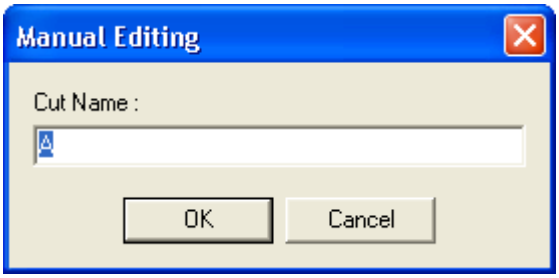
2. Click on the EDIT CUT icon



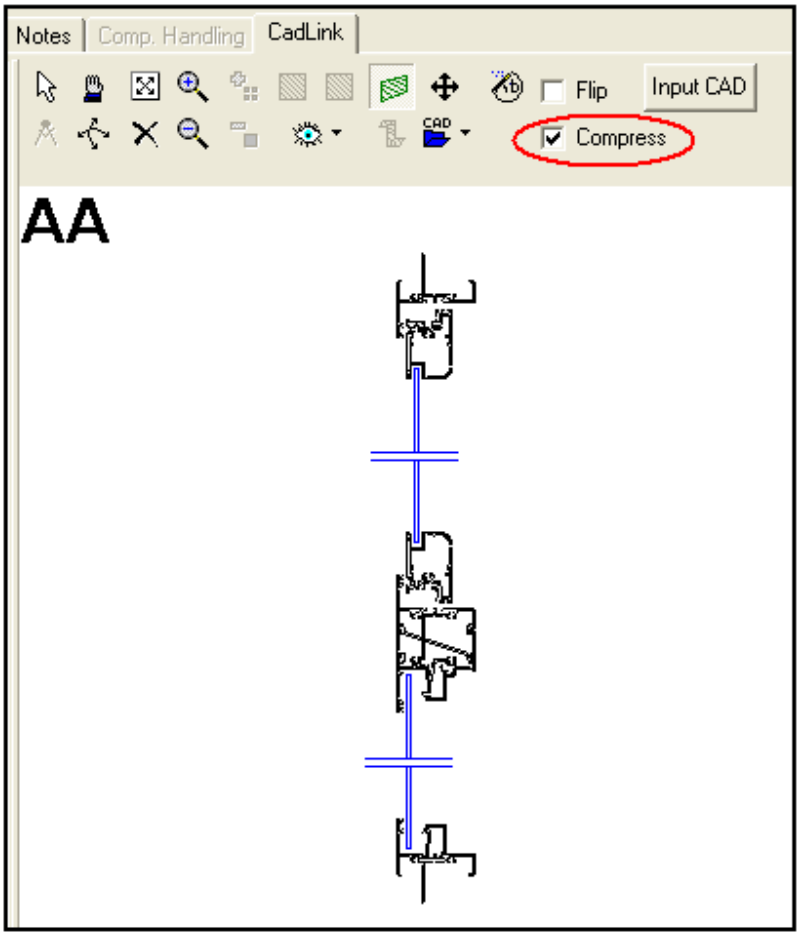
3. Use your mouse to make a cut through the frame



4. Enter a name for the cut

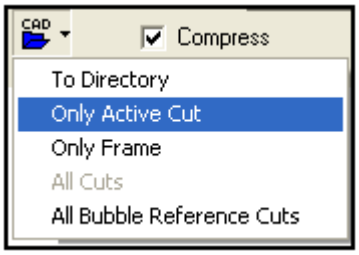


Selecting COMPRESS will give you a better view

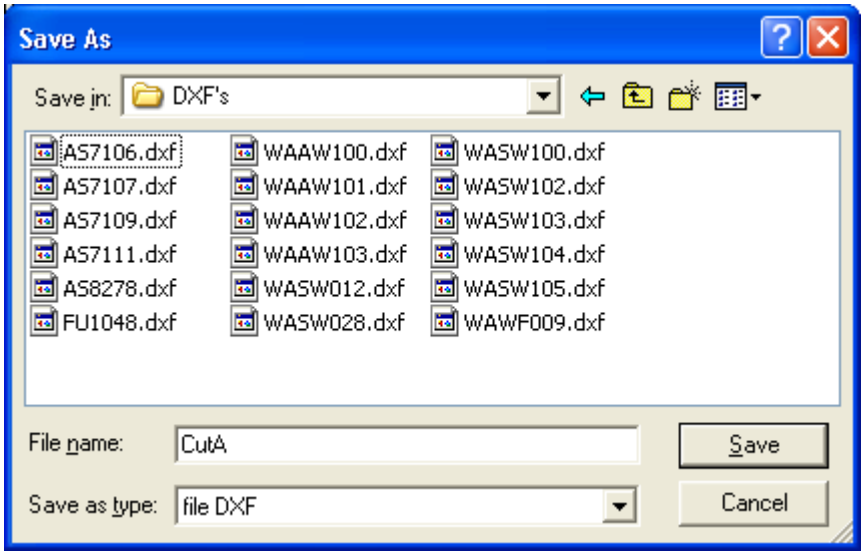


5. From here you can save the drawing for later use by clicking the CAD Export icon

6. Select ONLY ACTIVE CUT



7. Select the location you want to save the file in, name the file, and click SAVE

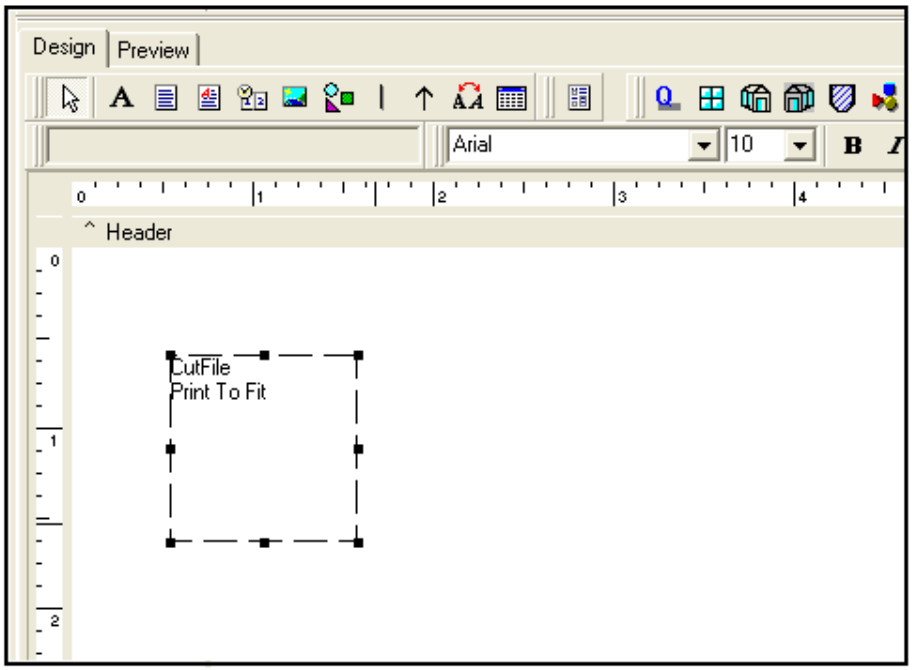


PRESENTATION

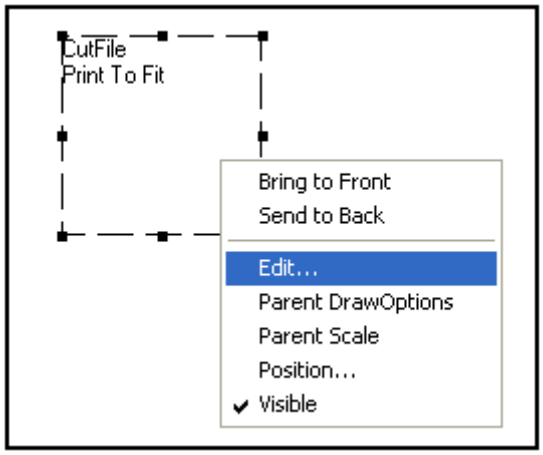
1. Open the Presentation tab

2. Select the CutDraw icon

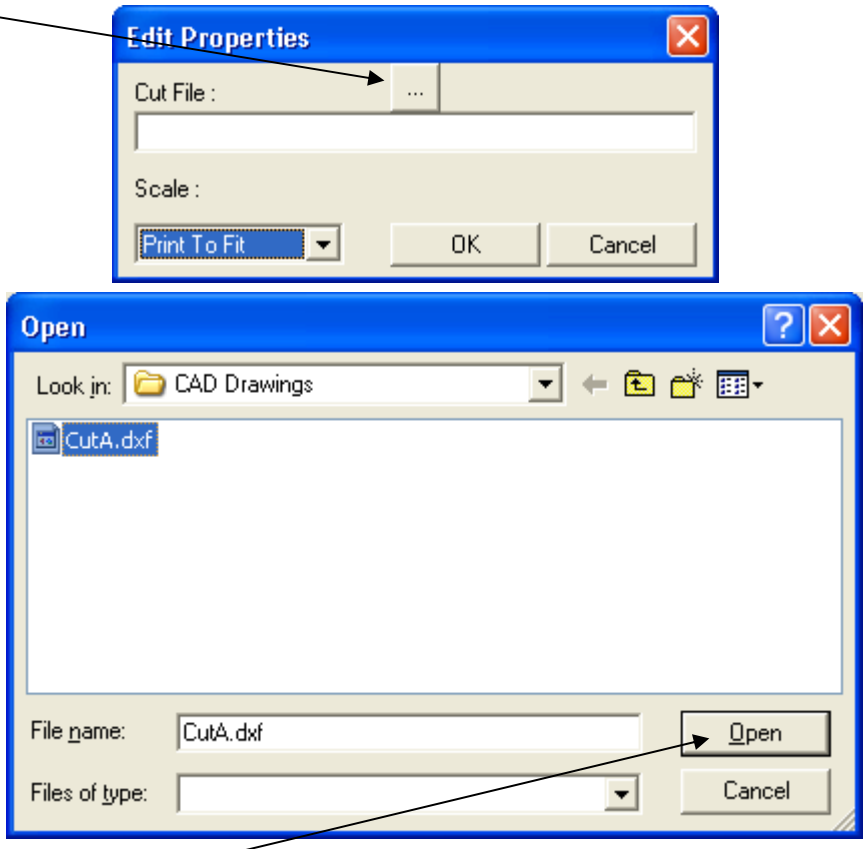
3. Draw a box on the page with your mouse



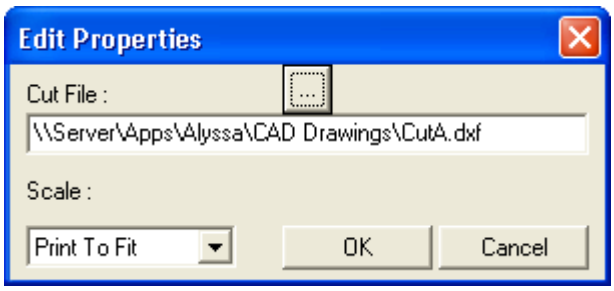
4. Right-click in the box and select EDIT from the menu



5. Use the picker box to navigate to the file you saved previously

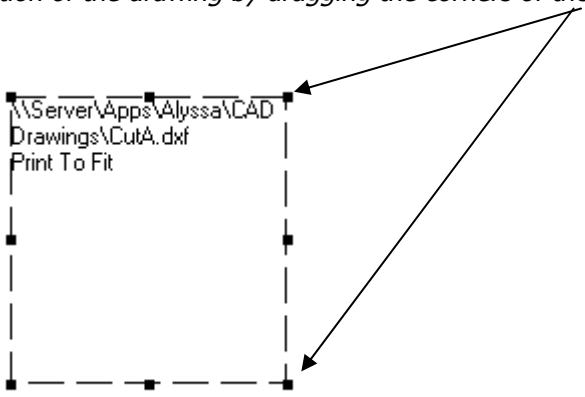


6. Select the file and click OPEN

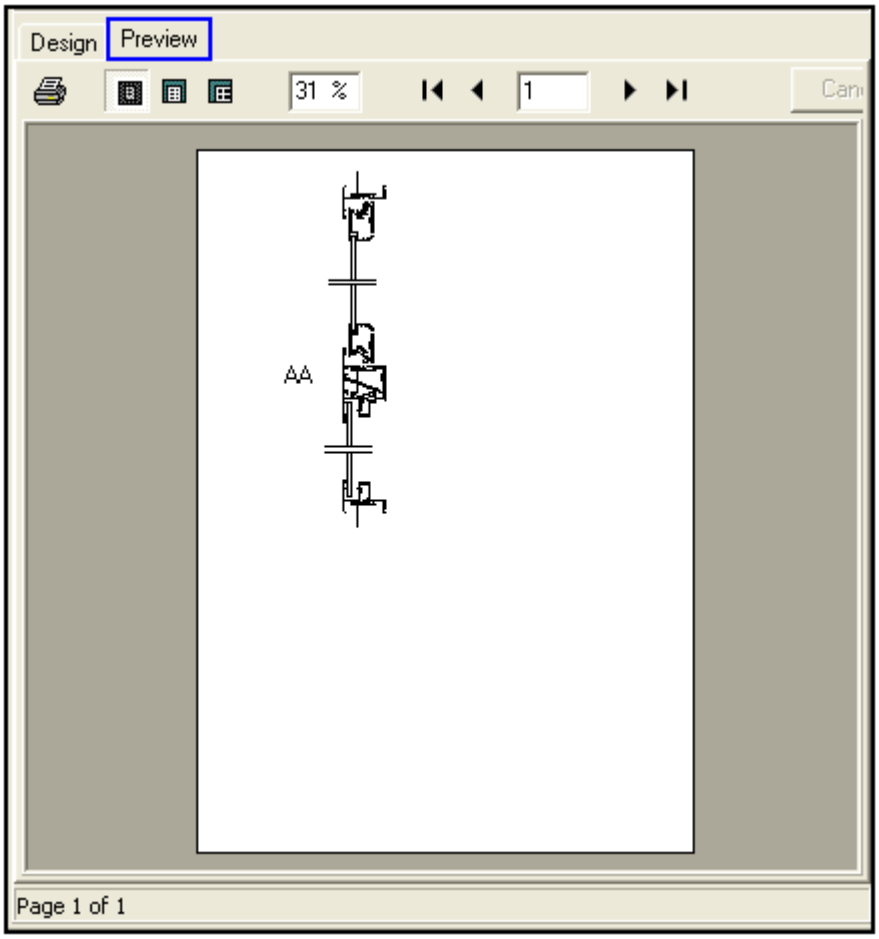


7. Once the file has been selected, click OK. This will insert the file into the box you created earlier.

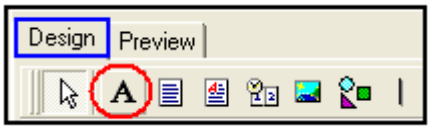
You can adjust the size & position of the drawing by dragging the corners of the box with your mouse



You can view your page at any time by opening the PREVIEW tab

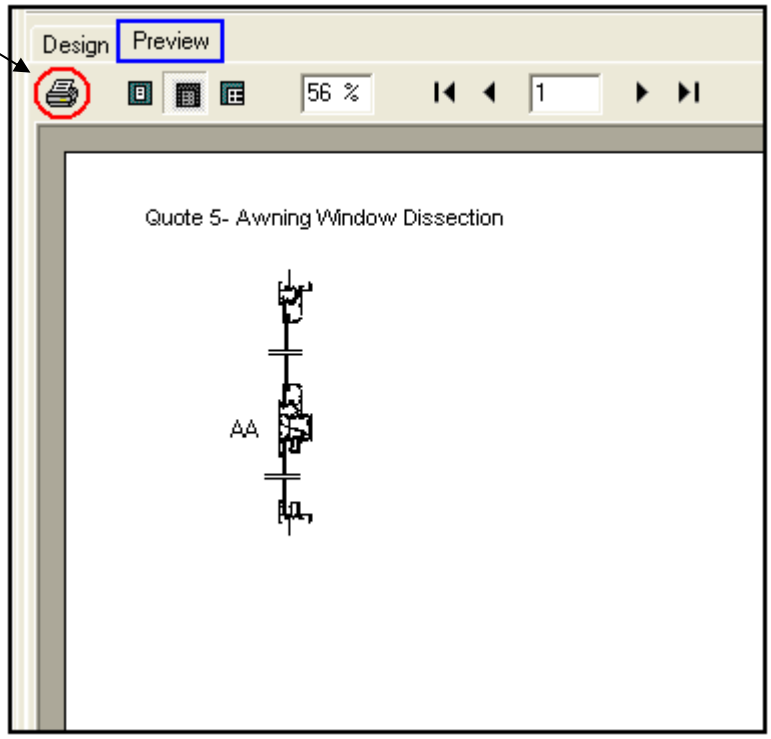


8. You can add text to the page by clicking on the LABEL icon on the toolbar and creating a box as you did for the pictures. You can re-size and re-position the label box with your mouse in the same way as you did for the picture box



9. Type your text into the label box on the toolbar. This will add the text to your page.

Once you are happy with your page, you can print it by going to the PREVIEW page & selecting the PRINT icon



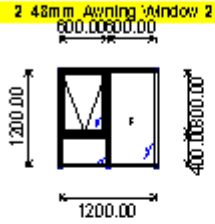
BOM

-Viewing the Bill of Materials

Bill of Materials Per Quote Item

Quote: -S- Ve 0 Quote Date: 09/07/2009
Quote Title :
Customer :
Job No.:

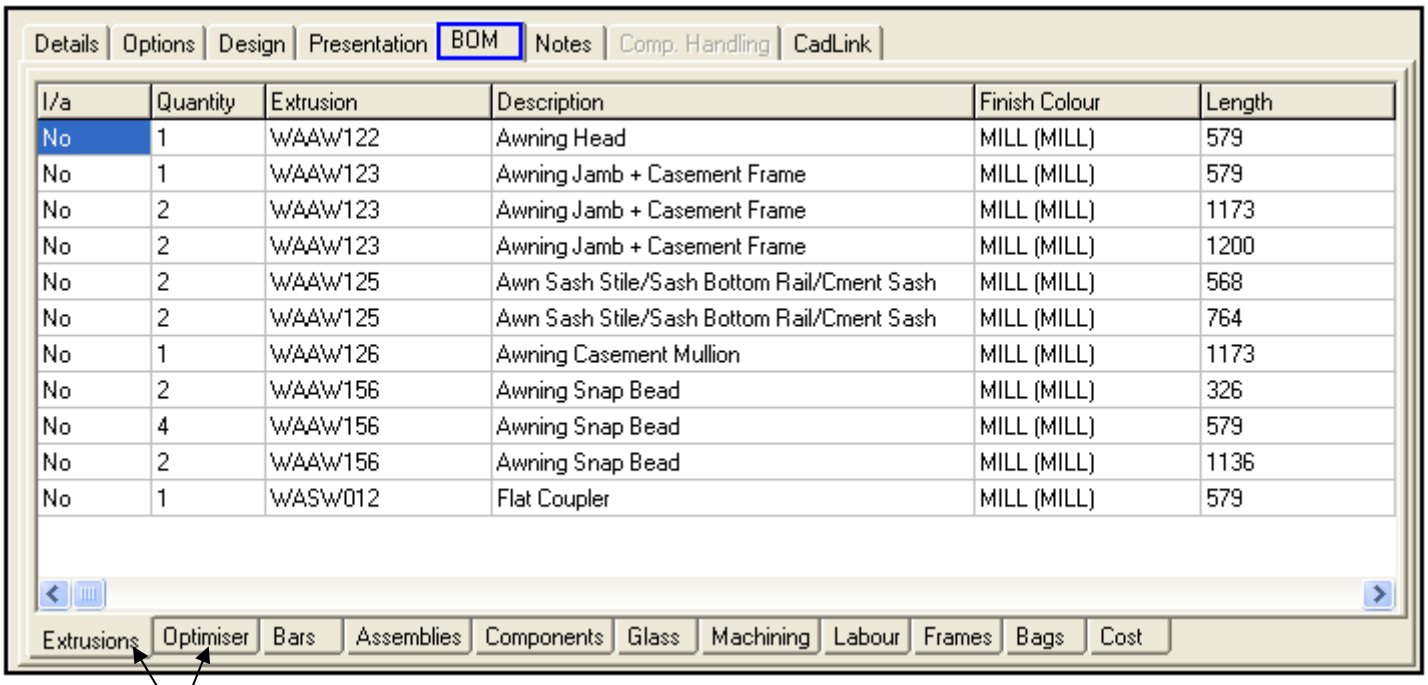
Item	Description	Quantity
2	48mm Awning Window 2 Lite	1.00



Code :	48AW-2
Dimension :	1,200 mm x 1,200 mm
Height	1200.00
Width	1200.00
Sash Size	STD (Standard Size)
Enter Sash Size	0.00
Handing	AF (AF)
Bar Type	NOT (Applicable)
Locks	LOCK (Lockable)
Top Hung	False
Screens	FLYFIBRE (Flyscreen with Fibre Mesh)
Friction Stays	False

Extrusion			
WAW0122	Awning Head	1.00	579 mm
WAW0123	Awning Jamb +Casement Frame	1.00	579 mm
WAW0123	Awning Jamb +Casement Frame	2.00	1,173 mm
WAW0123	Awning Jamb +Casement Frame	2.00	1,200 mm
WAW0125	Awn Sash Stile/Sash Bottom Rail/Casement Sash	2.00	568 mm
WAW0125	Awn Sash Stile/Sash Bottom Rail/Casement Sash	2.00	764 mm
WAW0126	Awning Casement Mullion	1.00	1,173 mm
WAW0156	Awning Snap Bead	2.00	326 mm
WAW0156	Awning Snap Bead	4.00	579 mm
WAW0156	Awning Snap Bead	2.00	1,136 mm
WASW012	Flat Coupler	1.00	579 mm
Fill			
3C	3mm Clear Float	1.00	569 mm x 356 mm
3C	3mm Clear Float	1.00	494 mm x 690 mm
3C	3mm Clear Float	1.00	569 mm x 1,166 mm
Component			
302492	Alspec Chain Winder - Locking	1.00	Each
NO620MM	No 6 20mm Pan head Screw	20.00	Each
NO8X0.750	No 8 3/4" Screw	4.00	Each
SAW001	Awning Sash Corner Stakes 25mm x 25mm	4.00	Each
SAW002	6.5mm Q'Lon Seal	2.66	Each
SAW003	Awning Sill End Plugs	2.00	Each
SDA029	7.5mm Q'Lon Seal	2.66	Each
WIN3WC	3mm Window Glazing Channel	7.69	Each

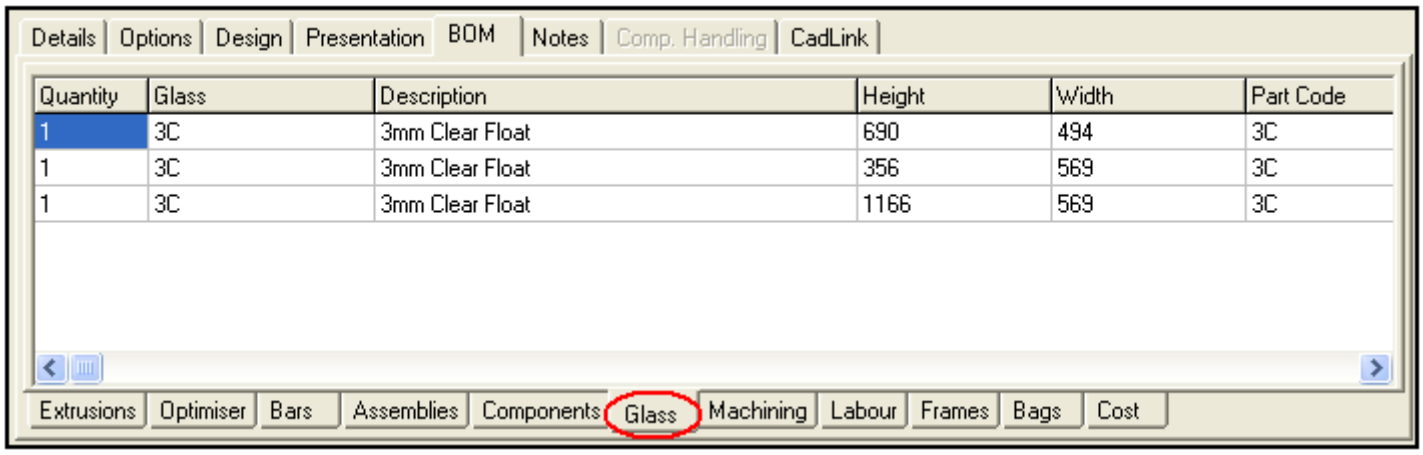
1. Select the BOM tab



I/a	Quantity	Extrusion	Description	Finish Colour	Length
No	1	WAAW122	Awning Head	MILL (MILL)	579
No	1	WAAW123	Awning Jamb + Casement Frame	MILL (MILL)	579
No	2	WAAW123	Awning Jamb + Casement Frame	MILL (MILL)	1173
No	2	WAAW123	Awning Jamb + Casement Frame	MILL (MILL)	1200
No	2	WAAW125	Awn Sash Stile/Sash Bottom Rail/Cment Sash	MILL (MILL)	568
No	2	WAAW125	Awn Sash Stile/Sash Bottom Rail/Cment Sash	MILL (MILL)	764
No	1	WAAW126	Awning Casement Mullion	MILL (MILL)	1173
No	2	WAAW156	Awning Snap Bead	MILL (MILL)	326
No	4	WAAW156	Awning Snap Bead	MILL (MILL)	579
No	2	WAAW156	Awning Snap Bead	MILL (MILL)	1136
No	1	WASW012	Flat Coupler	MILL (MILL)	579

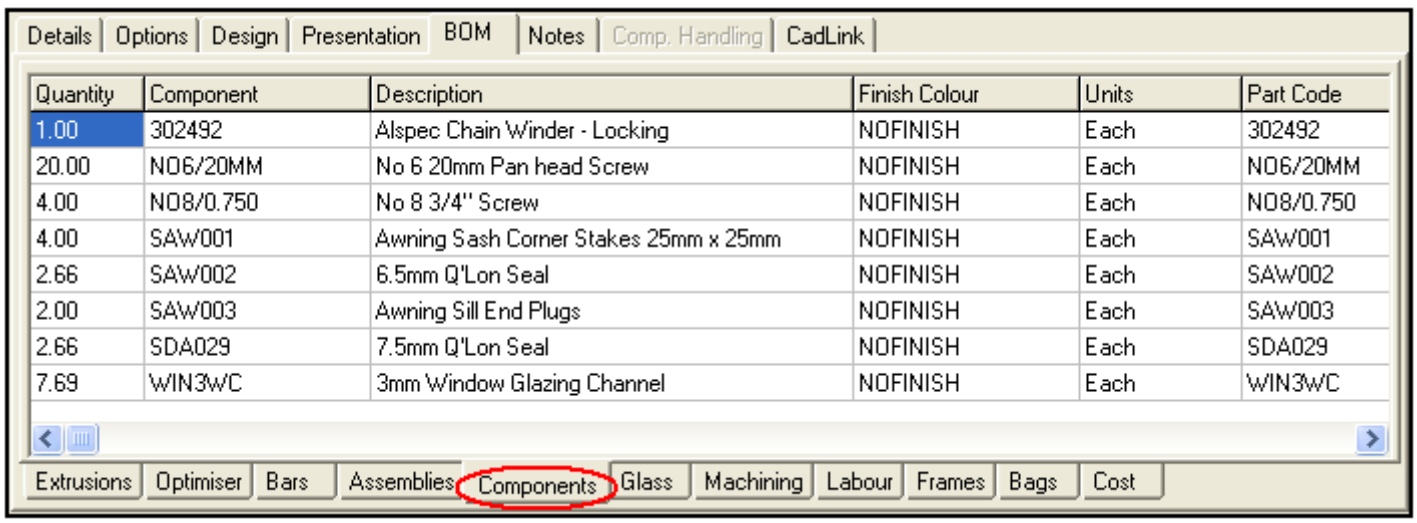
Each of the lower tabs will show you the materials, quantities and sizes for each type

Eg: Glass-



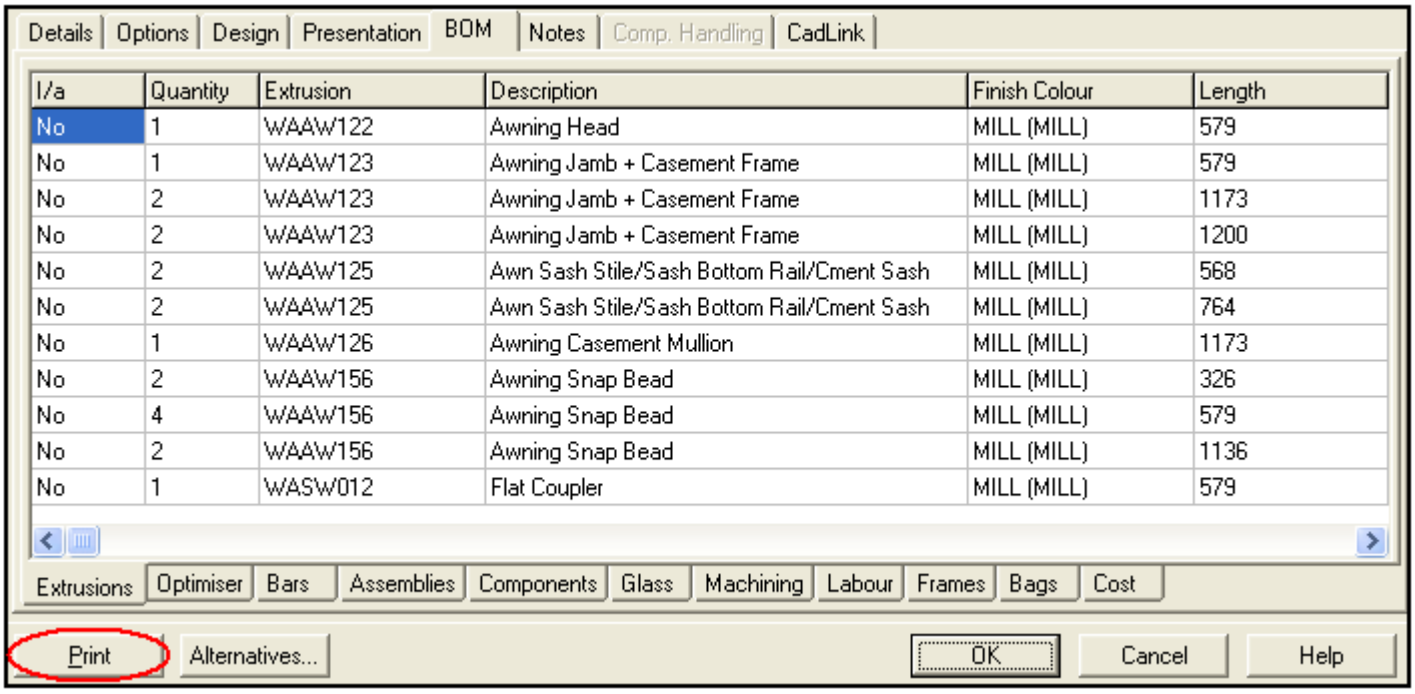
Quantity	Glass	Description	Height	Width	Part Code
1	3C	3mm Clear Float	690	494	3C
1	3C	3mm Clear Float	356	569	3C
1	3C	3mm Clear Float	1166	569	3C

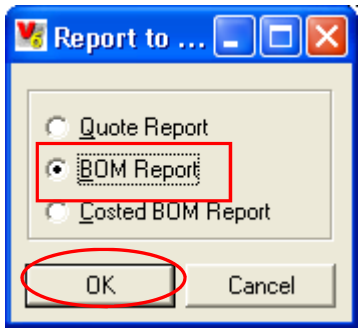
Eg: Components (Hardware)



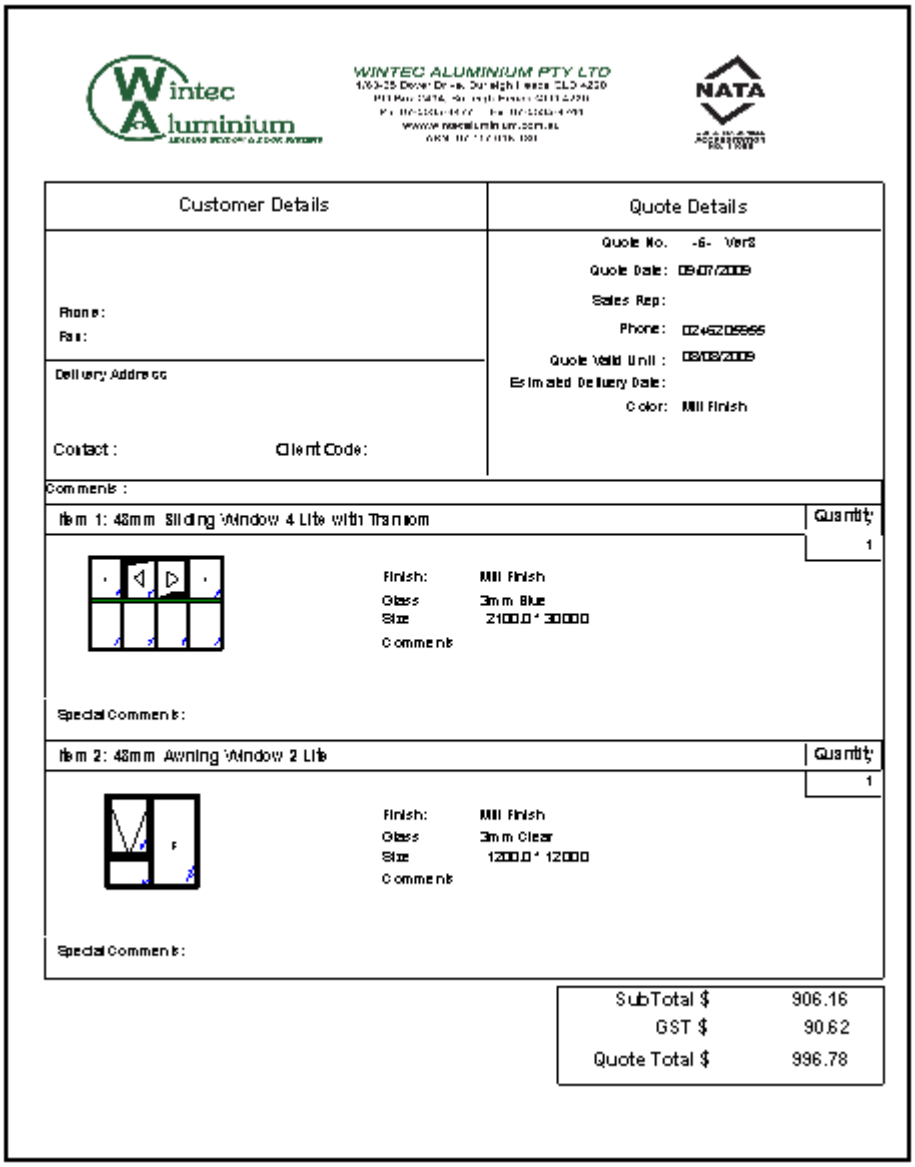
Quantity	Component	Description	Finish Colour	Units	Part Code
1.00	302492	Alspec Chain Winder - Locking	NOFINISH	Each	302492
20.00	NO6/20MM	No 6 20mm Pan head Screw	NOFINISH	Each	NO6/20MM
4.00	NO8/0.750	No 8 3/4" Screw	NOFINISH	Each	NO8/0.750
4.00	SAW001	Awning Sash Corner Stakes 25mm x 25mm	NOFINISH	Each	SAW001
2.66	SAW002	6.5mm Q'Lon Seal	NOFINISH	Each	SAW002
2.00	SAW003	Awning Sill End Plugs	NOFINISH	Each	SAW003
2.66	SDA029	7.5mm Q'Lon Seal	NOFINISH	Each	SDA029
7.69	WIN3WC	3mm Window Glazing Channel	NOFINISH	Each	WIN3WC

2. To print the BOM report, select the PRINT button at the bottom of the page, then BOM report and OK





PRINTING A QUOTE



WINTEC ALUMINIUM PTY LTD

Customer Details	Quote Details
Phone:	Quote No. -6- Ver3
Fax:	Quote Date: 09/07/2009
Delivery Address	Sales Rep:
	Phone: 0245205555
	Quote Valid Until: 09/08/2009
	Estimated Delivery Date:
Contact: Client Code:	Color: Mill Finish

Comments :

Item 1: 48mm Sliding Window 4 Lite with Transom — Quantity: 1

Finish: Mill Finish
Glass 3mm Blue
Size 2100.0 * 3000.0
Comments

Special Comments:

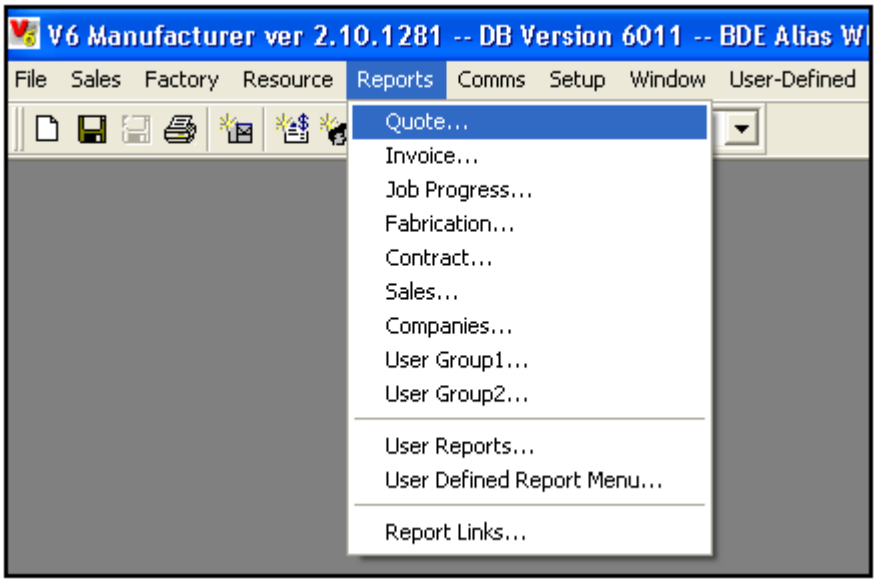
Item 2: 48mm Awning Window 2 Lite — Quantity: 1

Finish: Mill Finish
Glass 3mm Clear
Size 1200.0 * 1200.0
Comments

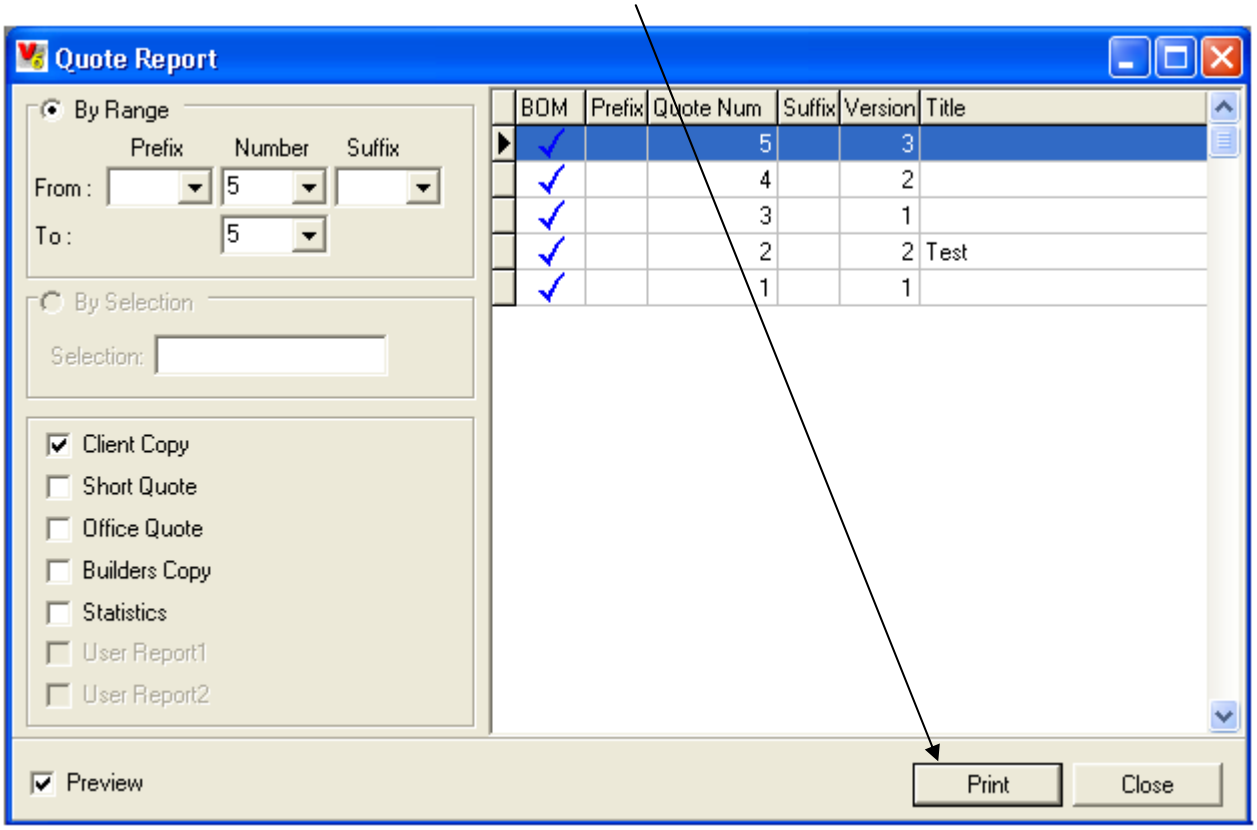
Special Comments:

SubTotal $	906.16
GST $	90.62
Quote Total $	996.78

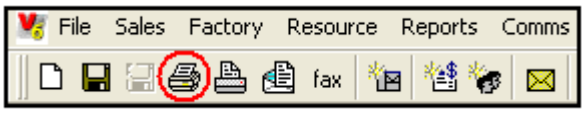
1. Select REPORTS and then QUOTE from the main toolbar



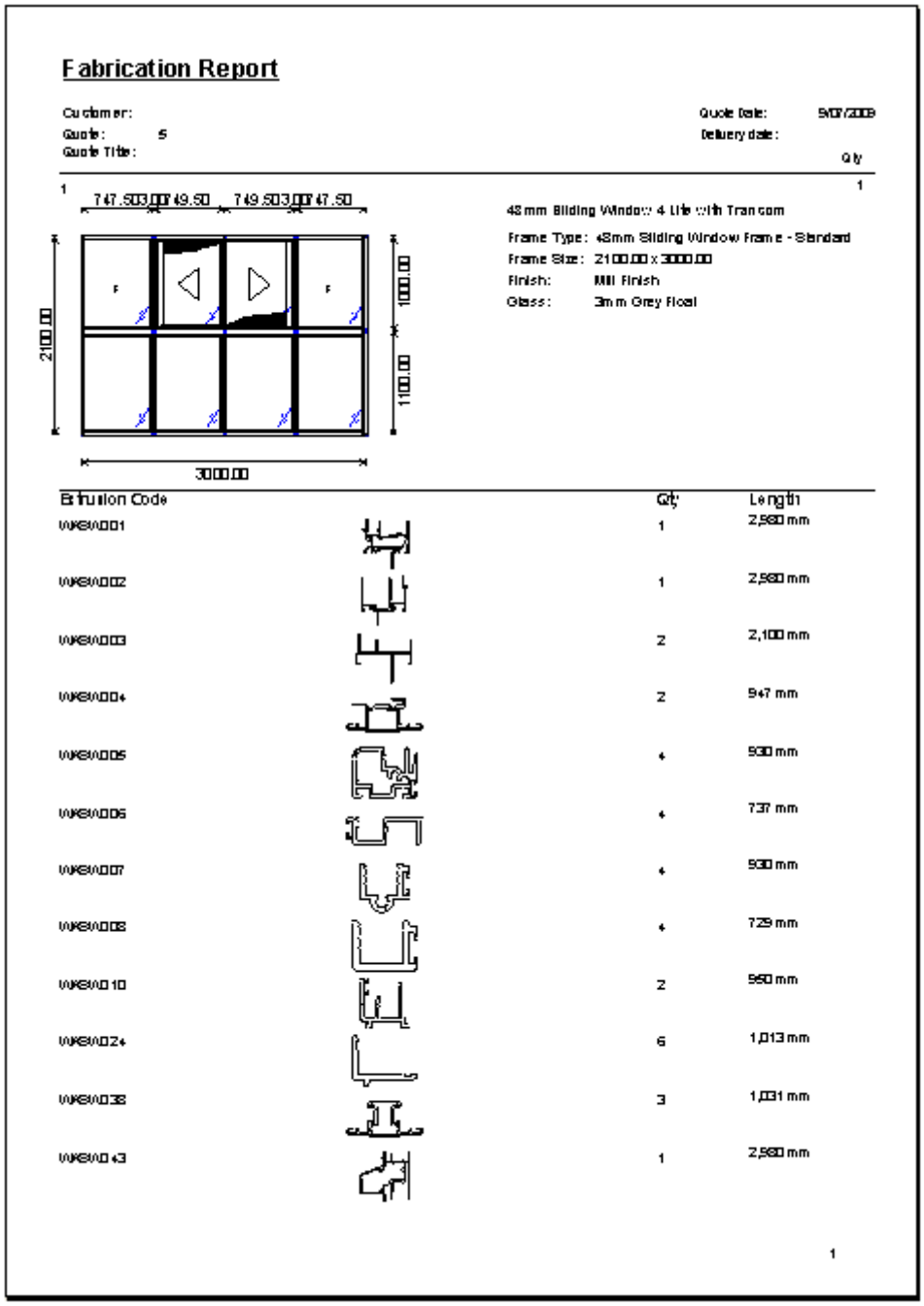
2. Select the quote you wish to print and click on the PRINT button



This will show a preview of the quote on your screen. To proceed with printing, click the PRINTER



PRINTING THE FABRICATION REPORT



Fabrication Report

Customer:
Quote: 5
Quote Title:

Quote Date: 9/07/2009
Delivery date:

	Qty
1	1

747.50 3@749.50 747.50

2100.00

1000.00
1100.00

3000.00

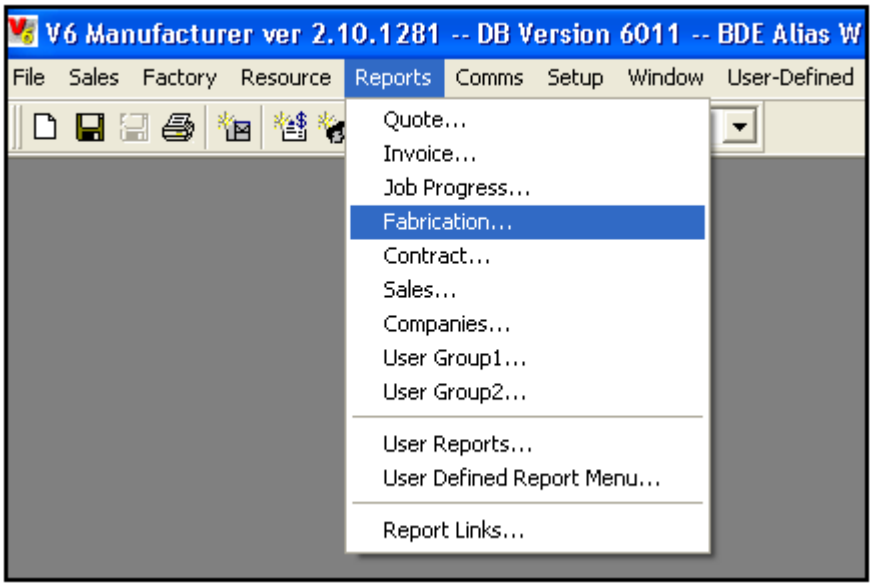
48mm Sliding Window 4 Lite with Transom

Frame Type: 48mm Sliding Window Frame - Standard
Frame Size: 2100.00 x 3000.00
Finish: Mill Finish
Glass: 3mm Grey Float

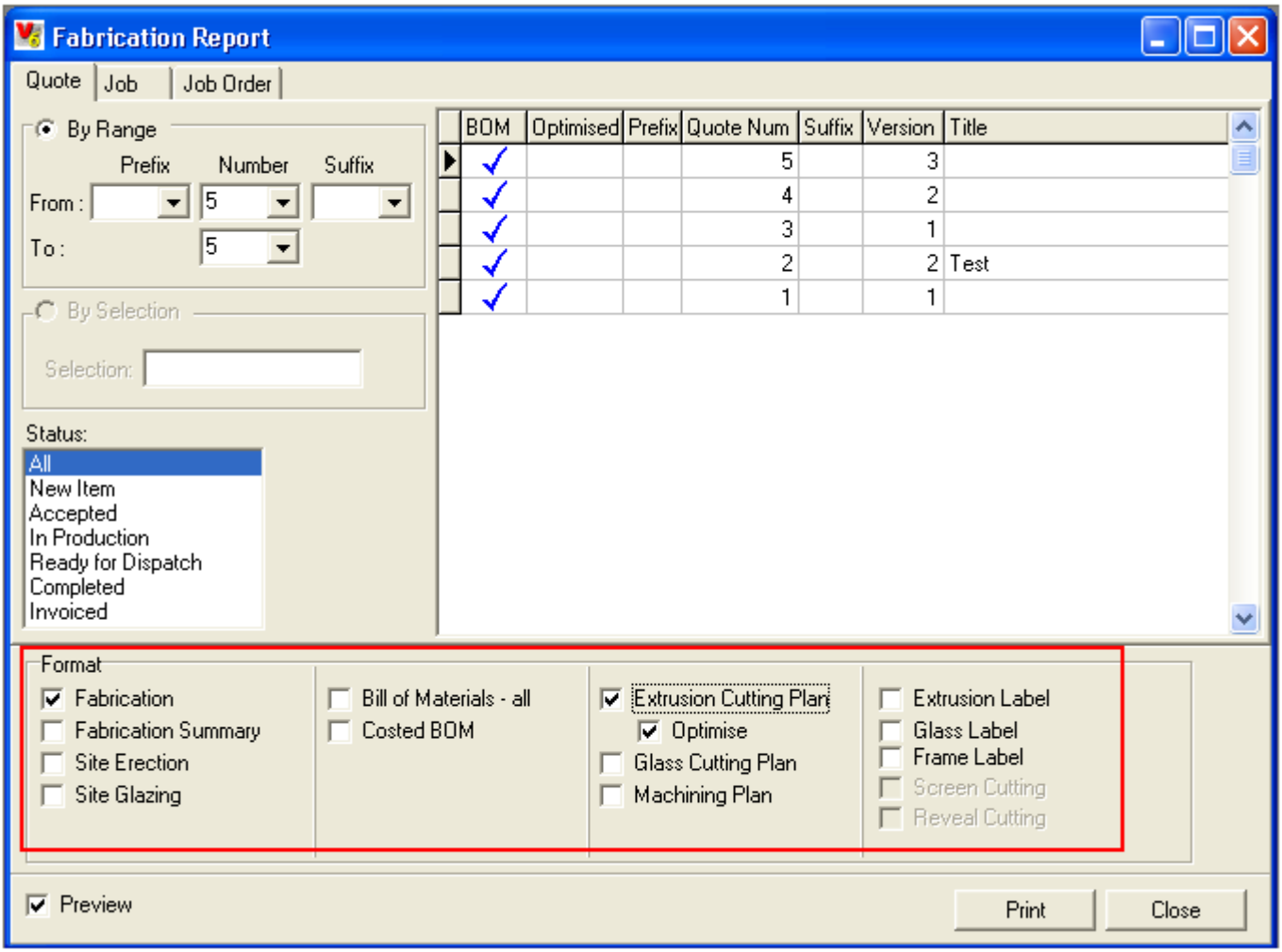
Extrusion Code		Qty	Length
WKSA001		1	2,980 mm
WKSA002		1	2,980 mm
WKSA003		2	2,100 mm
WKSA004		2	947 mm
WKSA005		4	930 mm
WKSA006		4	737 mm
WKSA007		4	930 mm
WKSA008		4	729 mm
WKSA010		2	950 mm
WKSA024		6	1,013 mm
WKSA038		3	1,031 mm
WKSA043		1	2,980 mm

1

1. Select REPORTS, then FABRICATION from the main toolbar



2. Select the quote number, then in the FORMAT box check the Fabrication and Extrusion Cutting Plan boxes.

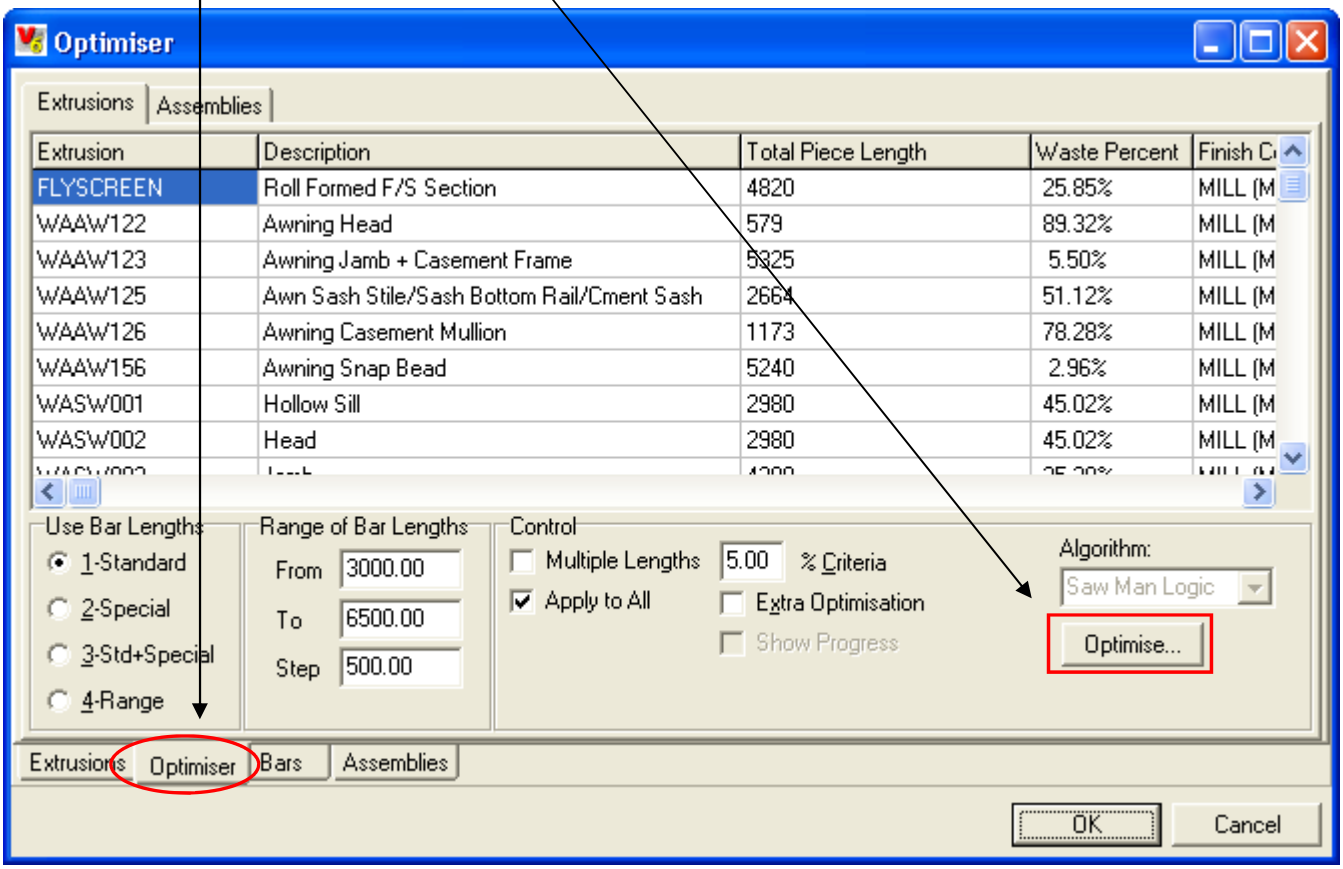


3. Click PRINT

You will see a preview of the Fabrication Report on you screen.
To continue with printing, select the PRINTER icon.

To go to the Extrusion Cutting Plan Report, click on the CLOSE icon

Select the OPTIMISER tab, and then the OPTIMISE button, then click OK



You will now see a preview of the Optimised Cutting Plan report. From here you can print the report or close as in the previous steps.