



genesisplus+

2018



RESIDENTIAL WINDOWS AND DOORS

Module 3: Residential

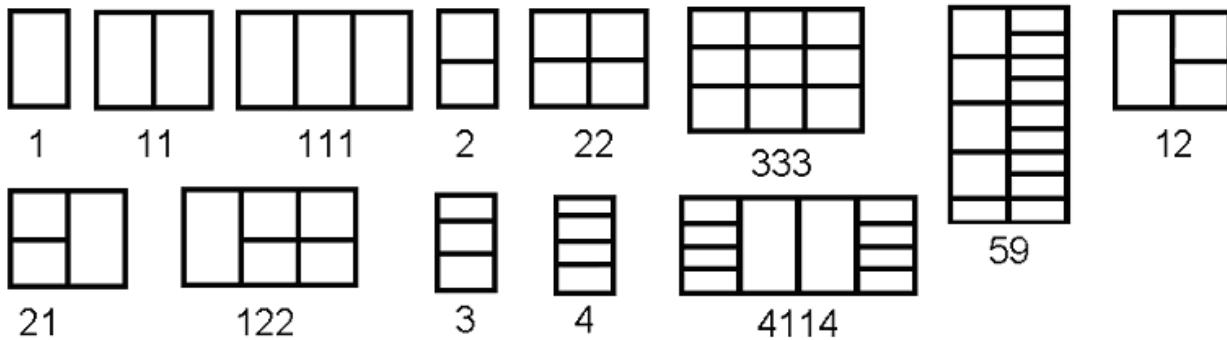
LEVEL: BASIC

Genesis Release 18

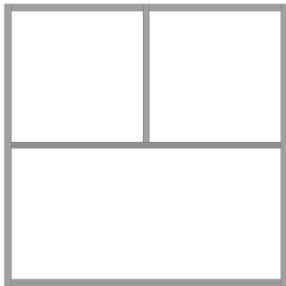
BEFORE WE START – LET’S EXPLAIN SOMETHING!!

WHAT IS A LIGHTCODE?

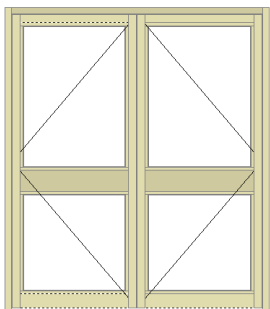
A LIGHTCODE IS JUST ANOTHER WAY TO SPECIFY COLUMNS AND ROWS, SOMETIMES IF YOU DO NOT HAVE A CONTINUOUS AMOUNT OF COLUMNS AND ROWS THEN YOU WILL HAVE TO DELETE SOME OF THE MULLIONS OR TRANSOMS TO GET TO THE DESIRED DESIGNS, LIGHTCODE CAN SOMETIMES SAVE YOU TIME SO WHEN DETERMINING A **LIGHTCODE**. YOU START FROM THE LEFT HAND COLUMN AND LOOK TO SEE HOW MANY ROWS ARE IN THAT COLUMN. IF THERE ARE TWO COLUMNS THEN YOU ADD ANOTHER NUMBER IN (AND SPECIFY HOW MANY ROWS ARE IN THAT COLUMN). IF THERE IS JUST ONE FIXED LIGHT THEN THE LIGHTCODE WOULD BE '1' IF THERE IS A LIGHT ABOVE ANOTHER LIGHT THEN IT WILL BE '2'. SEE BELOW. ANY TIME THAT YOU ADD AN EXTRA NUMBER IN THEN YOU GET AN EXTRA COLUMN.



SOMETIMES YOU ARE NOT ABLE TO DESIGN IN ONE GO USING A LIGHTCODE OR A COLUMN OR ROW SO THERE ARE SOME THINGS TO BE AWARE OF. THE BELOW SCREEN WOULD HAVE TO BE DESIGNED AS A LIGHT CODE OF '2'. YOU WOULD THEN HIGHLIGHT THE TOP LIGHT AND SPLIT THIS LIGHT INTO A LIGHTCODE OF '11'. (WE WILL USE THIS COMMAND LATER ON IN THIS MANUAL). ALTERNATIVELY YOU COULD USE A 2 COLUMN AND 2 ROW FIGURE AND THEN MERGE THE BOTTOM TWO LIGHTS.



IF YOU HAVE A DOOR OR A VENT THEN YOU IGNORE THE LIGHTCODE CONTAINED WITHIN THEM SO THE DOOR BELOW WILL ACTUALLY BE A LIGHTCODE OF '1' THIS IS BECAUSE THE DOOR IS ADDED INCLUDING ALL MIDRAILS AS A COMPLETE ITEM. **BASICALLY IGNORE THE DOOR WHEN WORKING OUT THE LIGHTCODE.**

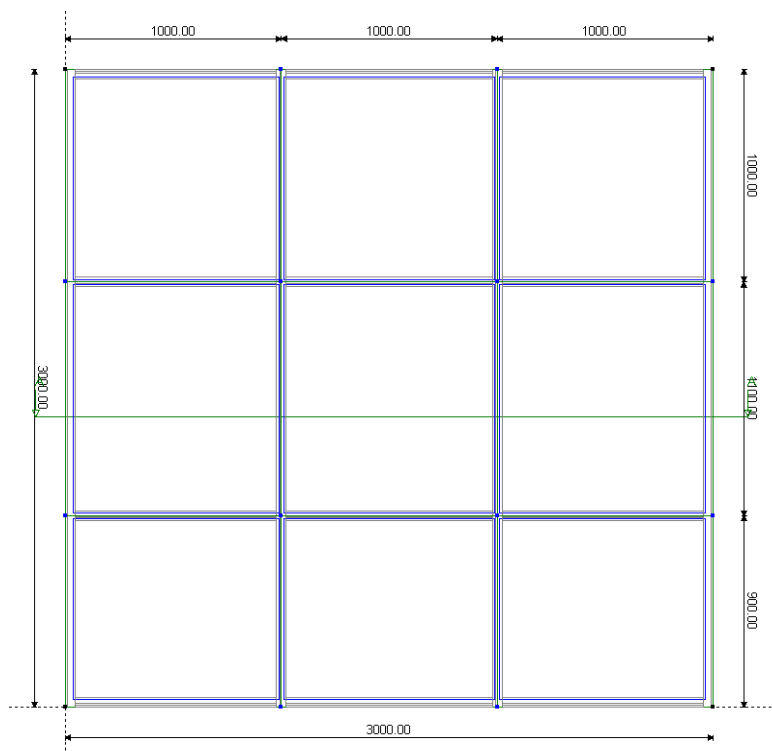
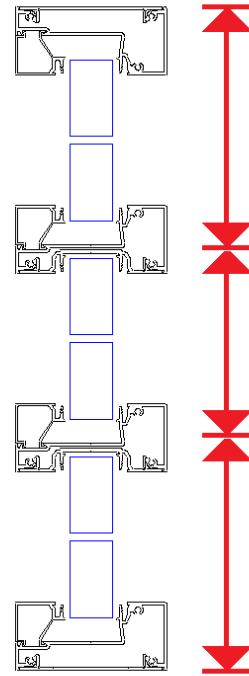
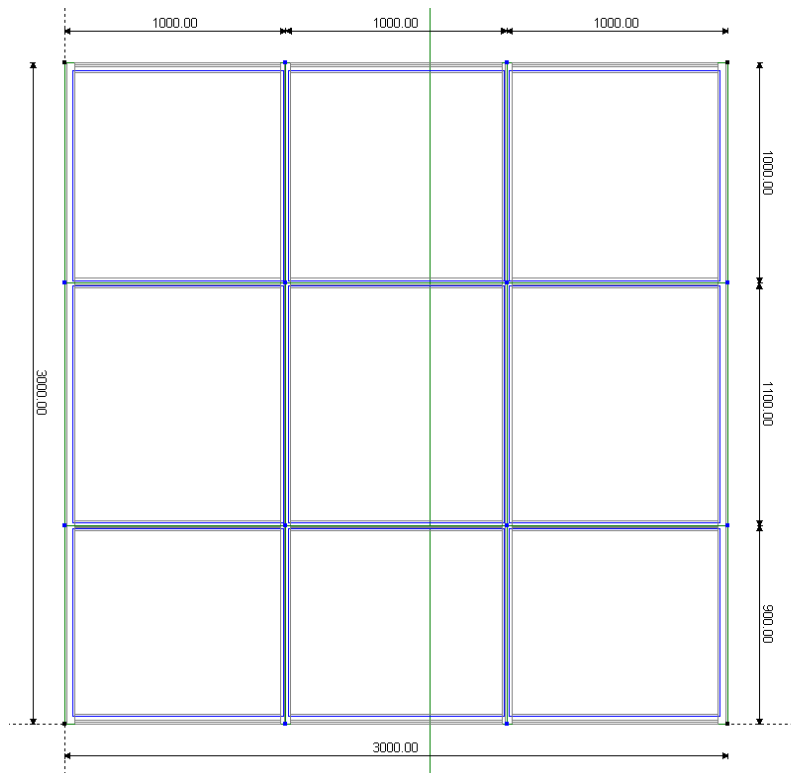


HAVE YOU UNDERSTOOD THIS ? IF NOT PLEASE ASK

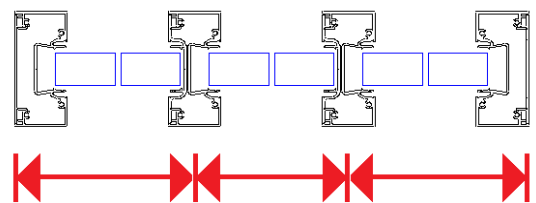
HOW DOES GENESIS SHOW DIMENSIONS

MOST DIMENSIONS IN GENESIS INCLUDING CURTAIN WALL FOLLOW THE BELOW RULE.

BUT SUBCILLS ON ALL SYSTEMS AND HEAD EXTENTIONS ON WINDOWS WILL NOT BE INCLUDED IN ANY HEIGHT DIMENSION SHOWN ON THE SCREEN. IF YOU ADD A SUBCILL ON A WINDOW AND THE HEIGHT IS 1000MM, IF THE SUBCILL IS 10MM THEN THE SOFTWARE WILL CHANGE THE HEIGHT TO BE 990MM, HOWEVER ANY CHANGES TO THE OVERALL HEIGHT WILL NOT BE COMPENSATED AFTER THE FIRST BUILD AND YOU WILL NEED TO ALLOW FOR THE DEDUCTION IN HEIGHT YOURSELF.



A



PROCESSING A QUOTE

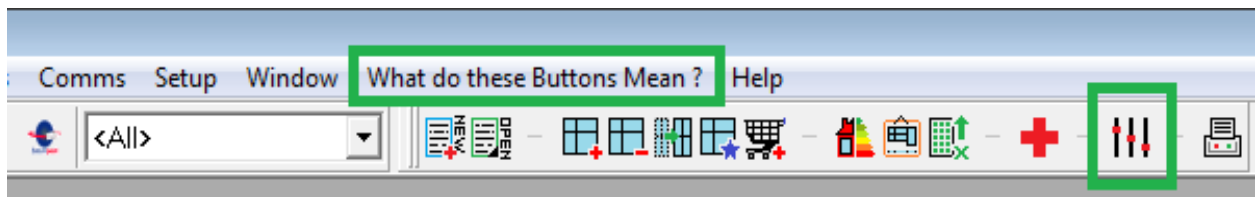
THIS BASIC INSTRUCTION MANUAL WILL GUIDE YOU THROUGH A SMALL QUOTE. YOU WILL FIND THAT BY FOLLOWING THE MANUAL EXACTLY AS WRITTEN YOU WILL LEARN MOST OF THE BASICS FROM THIS MANUAL AND THIS WILL GIVE YOU THE CONFIDENCE TO CHANGE THE DESIGN OF THE FRAME. AFTER RUNNING THROUGH THIS A FEW TIMES, IT'LL ALSO HELP TO DESIGN MOST OTHER FRAMES IN SHOPFRONT & WINDOW SYSTEMS. PLEASE BE AWARE THAT FULL TECHNICAL KNOWLEDGE OF THE COMAR SYSTEMS IS IMPORTANT WHEN USING THIS SOFTWARE AND IT IS PROVIDED AS AN ESTIMATING TOOL AND NOT AS A REPLACEMENT FOR TECHNICAL OR PRODUCT KNOWLEDGE. PLEASE ALWAYS REFER TO THE TECHNICAL MANUALS PROVIDED BY THE PARKSIDE GROUP LIMITED.

Main Genesis screen

At the top of the main Genesis screen you will see the buttons below. These buttons perform different operations and have been designed to allow all commonly used options to be in one place.



There are also several buttons that may help you if you get stuck when starting a quote or adding frames (as shown below)



These can all be found at the top of the screen



THERE ARE MANY BUTTONS AT THE TOP OF THE SCREEN, BUT THEY PERFORM SIMPLE TASKS

START A NEW QUOTE. (CAN ALSO BE USED TO EDIT THE EXISTING QUOTE DETAILS LIKE TITLE)



EDIT A QUOTE. THIS WILL OPEN A QUOTE THAT YOU HAVE ALREADY STARTED AND SHUT DOWN



COPY A QUOTE. THIS WILL ALLOW YOU TO CHOOSE A QUOTE AND WILL MAKE A NEW COPY



EDIT A QUOTE. THIS OPTIONS WILL CHANGE MASTER DETAILS LIKE FINISHES, DUAL COLOUR OR FOAM ON ALL FRAMES WITHIN A QUOTE



ADD A WINDOW. ONCE YOU HAVE ALREADY STARTED OR EDITED A QUOTE YOU ADD A NEW WINDOW FRAME BY CLICKING ONTO THIS BUTTON



ADD A DOOR. ONCE YOU HAVE ALREADY STARTED OR EDITED A QUOTE YOU ADD A NEW DOOR FRAME BY CLICKING ONTO THIS BUTTON



ADD A SLIDING WINDOW OR DOOR. ONCE YOU HAVE ALREADY STARTED OR EDITED A QUOTE YOU ADD A NEW SLIDING OR SLIDING/FOLDING FRAME BY CLICKING ONTO THIS BUTTON



ADD A FACADE. ONCE YOU HAVE ALREADY STARTED OR EDITED A QUOTE YOU ADD A NEW GROUND FLOOR SHOPFRONT OR CURTAIN WALL FRAME BY CLICKING ONTO THIS BUTTON



ADD A DUCO ITEM. ONCE YOU HAVE ALREADY STARTED OR EDITED A QUOTE YOU ADD A NEW DUCO LOUVRE, TRICKLE VENT OR BRISE SOLEIL FRAME BY CLICKING ONTO THIS BUTTON



ADD FAVOURITE STYLE. THIS BUTTON WILL BRING UP A LIST OF PREVIOUSLY SAVED STANDARD STYLES. THERE IS A SEPERATE MANUAL AVAILABLE FOR THIS



DELETE A FRAME. YOU CAN HIGHLIGHT AN EXISTING FRAME IN THE QUOTE AND CLICK ON THIS TO DELETE IT, THERE ARE OTHER BUTTONS WHICH ALSO PERFORM THIS FUNCTION



COPY A FRAME. YOU CAN HIGHLIGHT AN EXISTING FRAME AND CLICK ONTO THIS BUTTON, IT WILL CREATE AN EXACT COPY AND OFFER YOU THE CHANCE TO CHANGE THE FRAME DECIPTION ETC. THIS IS USEFUL WHEN YOU HAVE DESIGNED A FRAME AND HAVE SIMILAR FRAMES BUT DIFFERENT SIZES LATER ON IN A QUOTE.



DRAWINGS MENU. WE HAVE A NEW MENU WITH AUTOMATIC AUTOCAD DRAWING CREATION OR PRESENTATION DRAWINGS



SETUP MENU. WHEN YOU FIRST RECIEVE THE PROGRAM YOU WILL NEED TO SETUP YOUR DISCOUNTS THAT YOU RECIEVE FROM COMAR AND LABOUR RATES FOR YOUR FABRICATION AND INSTALLATION.



CONTROL PANEL. OTHER DEFAULTS AND HELP ASWELL AS AN ONLINE HELP BUTTON WHICH CUSTOMERS USE TO CONNECT TO US IF THEY NEED HELP, HELP IS ALWAYS AVAILABLE AND WE ARE ABLE TO SEE YOUR SCREEN ONCE CONNECTED.



REPORTS MENU. WE HAVE QUITE A FEW REPORTS THAT WE HAVE WRITTEN, SOME AVAILABLE REPORTS ARE PER ITEM PRICING, PURCHASE ORDER, FABRICATION, GLASS LISTS, SURVEY SHEETS. WE ARE ALWAYS EXPANDING THESE AND SOMETIMES WE WILL LOOK AT CUSTOMISING THEM FOR YOUR NEEDS. THERE ARE ALSO CAD DRAWINGS (WHICH ARE NOT IN MENU). **SEE OTHER MANUALS**



ADD A NEW QUOTE INTO GENESIS

CLICK ONTO THE START A NEW QUOTE BUTTON (SHOWN AT THE TOP OF THE SCREEN)



THE BELOW SCREEN WILL APPEAR (WE WILL CHANGING THE DETAILS LATER ON IN THIS MANUAL)

Create a New Project - Genesis R18 - 2018

Project Title:	<input type="text"/>	SH
Job Reference:	<input type="text"/>	
Customer Name	<input type="text" value="[CUS::DEFAULT]"/>	Search +
Finish/Colour:	<input type="text" value="[COL:COMAR:POWDER-ZZZ (PC]"/>	Search
Glazing:	<input type="text" value="[FIL:COMAR:28.0MM UNIT - 1.0B]"/>	Search +
Price Group	<input type="text" value="[PGR:COMAR:USERDEFINED]"/>	Search
Labour:	<input type="text" value="No labour"/>	
Labour Template	<input type="text"/>	Search
<input checked="" type="checkbox"/> Add Optimised Extrusion Full Bar Roundup waste <input checked="" type="checkbox"/> Add Optimised waste cost onto each item price		
Quote Comments <input type="text"/>		

Preliminary Windload/Structural Calcs (Only for Aluminium Curtain Wall)

Town/City	<input type="text" value="Worst Case"/>	
Building Height	<input type="text" value="2"/>	Map1
Distance To Sea	<input type="text" value="0.1"/>	
Distance Inside Town	<input type="text" value="0.1"/>	Map2
Net Pressure Co	<input type="text" value="1.4"/>	

genesisplus+ 2018

OK

THERE ARE THREE MAIN THINGS THAT WE NEED TO GET CORRECT BEFORE WE START ADDING FRAMES TO THE QUOTE,

- 1) THE FIRST IS THE QUOTE TITLE. (ALTHOUGH THIS CAN BE CHANGED LATER ON)
- 2) THE SECOND IS THE EXTRUSION FINISH OF THE QUOTE
- 3) THE LAST ONE IS THE MAIN GLAZING THAT WILL BE USED IN THE QUOTE. (SOME FRAMES MAY HAVE MORE THAN ONE GLAZING TYPE IN IT BUT THESE CAN BE CHANGED LATER ON USING A LIGHT BY LIGHT BASIS)

FOR REFERENCE THE QUOTE NUMBER IS AUTO GENERATED FROM QUOTE NUMBER 1 ONWARDS, BUT YOU CAN USE THE JOB REFERENCE FIELD SHOWN BELOW TO KEEP A NOTE OF YOUR OWN QUOTE NUMBERS.

CHANGE THE QUOTE TITLE AS SHOWN BELOW, THIS IS TYPED INTO THE TEXT BOX, THIS FINISH AND THE GLAZING WILL BE CHANGED IN ONE MOMENT SO PLEASE DO NOT CLICK OK AT THIS POINT.

IF YOU ACCIDENTLY CLICK OK AND THE BOX DISSAPEARS PLEASE CLICK BACK ONTO THE START A NEW QUOTE BUTTON AND THIS WILL BRING THE BOX BACK UP.

THE FRAME FINISHES ARE NOT TEXT BOXES AND HAVE A (THREE DOT) SEARCH BUTTON NEXT TO IT. THE DEFAULT SET IN GENESIS IS POWDER THIS COVERS MOST NON METALLIC RAL FINISHES. FOR THIS JOB WE WILL BE USING OUR STANDARD WHITE FINISH WHICH IS HIPCA WHITE 9910 AND IS CHEAPER THAN THE OTHER RANGE OF RAL COLOURS.

WE ARE GOING TO CHANGE THE DEFAULT QUOTE FINISH SO PLEASE CLICK ONTO THE THREE DOTS AS SHOWN BELOW.

Finish/Colour: [COL:COMAR:POWDER (POWDER)] ...

Glazing: [FIL:COMAR:28.0MM UNIT] ...

THE SEARCH BOX WILL APPEAR, IN THE SEARCH BOX TYPE IN WHITE AND THEN IT SHOULD BRING UP THE HIPCA WHITE IN THE LIST AS SHOWN BELOW. HIGHLIGHT IT AS SHOWN ON THE SECOND BOX BELOW AND THEN CLICK THE **OK** BUTTON. PLEASE MAKE SURE THAT YOU DO NOT PICK UP ANY OF THE PVC FINISHES WHICH ARE COMPONENT OPTIONS.

Finish Colour Pick

Library: Comar Aluminium

Search (Colour Code): [WHITE] Finish Group: <All>

Colour Code	Colour Description	Group Code	Group Description	Colour
SAT-CHROME	Satin Chrome	SAT-CHROME	Satin Chrome	
SAT-S/STEEL	Satin Stainless Steel	SAT-S/STEEL	Satin Stainless Steel	
SELF	SELF	SELF	SELF	
SELF2	SELF2	SELF2	SELF2	
SILVER	Silver Anodised	SILVER	Silver Anodised	
ST/STEEL	ST/STEEL	ST/STEEL	ST/STEEL	
T.P.R	T.P.R	T.P.R	T.P.R	
TBA	To Be Advised	TBA	To Be Advised	
WHITE	Hipca White (RAL 9910)	WHITE	Hipca White (RAL 9910)	
WHITE PVC	WHITE PVC	WHITE PVC	WHITE PVC	
WHITE PVC	WHITE PVC	WHITE PVC	WHITE PVC	
WHITE-COMP	White Finish Components	WHITE-COMP-ON	White Finish Components	

OK Cancel

THE MAIN SCREEN WILL RETURN AND YOU WILL SEE THAT THE WHITE FINISH IS NOW IN THE FINISH BOX

Finish/Colour: [COL:COMAR:WHITE (WHITE)] ...

Glazing: [FIL:COMAR:28.0MM UNIT] ...

Category 1 - Exp condition is rare poorly grassed p

WE ARE GOING TO CHANGE THE DEFAULT QUOTE GLAZING SO PLEASE CLICK ONTO THE THREE DOTS AS SHOWN BELOW.

Finish/Colour: [COL:COMAR:WHITE (WHITE)] ...

Glazing: [FIL:COMAR:28.0MM UNIT] ...

Category 1 - Exposed condition is rare and e poorly grassed plains

THE SEARCH BOX WILL APPEAR, IN THE SEARCH BOX TYPE IN 6-16-6 FL AND THEN IT SHOULD BRING UP THE 6-16-6 FL IN THE LIST AS SHOWN BELOW. HIGHLIGHT IT AS SHOWN ON THE SECOND BOX BELOW AND THEN CLICK THE OK BUTTON.

Glazing Pick

Library: <All> Search [Code]: 6-16-6 FL

Family	1	2	3	4	A	Code	Description	Price A Unit
Comar Aluminium						6-16-10 TOUG-TINT-F	6m Toug x 16 x 10m Toug-Tint F-N	0.0
Single Glazed						6-16-10 TOUG-TINT-FG	6m Toug x 16 x 10m Toug-Tint F-Ngas	0.0
4mm Outer Pane						6-16-6 ANTELIO FL-F	6m FLx16x6m Antelio clear (db33) F-N	0.0
6mm Outer Pane						6-16-6 ANTELIO FL-FG	6m FLx16x6m Antelio clear (db33) F-Ngas	0.0
7mm Outer Pane						6-16-6 ANTELIO T-FG	6m TGx16x6m Antelio clear TG (db33) F-N	0.0
8mm Outer Pane						6-16-6 ANTELIO T-F	6m TGx16x6m Antelio clear TG (db33) F-N	0.0
10mm Outer Pane						6-16-6 ANTSILV FL-F	6m FLx16x6m Antelio Silver (db33) F-N	0.0
Laminated						6-16-6 ANTSILV FL-FG	6m FLx16x6m Antelio Silver (db33) F-Ngas	0.0
Customer Own Glass						6-16-6 ANTSILV T-FG	6m TGx16x6m Antelio Silver TG (db33) F-N	0.0
Dummy Vents						6-16-6 ANTSILV T-F	6m TGx16x6m Antelio Silver TG (db33) F-N	0.0
Panels						6-16-6 FL	6m FLx16x6m FL (db33) lowE	0.0
Std Glazing						6-16-6 FL BLUE-FG	6m FLx16x6m FL Blue (db33) F-Ngas	0.0
EFT						6-16-6 FL-EG	6m FLx16x6m FL (db33) lowEgas	0.0
2 Sided Horizontal						6-16-6 FL-F	6m FLx16x6m FL (db33) F-N	0.0
2 Sided Vertical						6-16-6 FL-FG	6m FLx16x6m FL (db33) F-Ngas	0.0
EFT Vent Glass						6-16-6 FL-OBS	6m Obsx16x6m FL (db33) lowE	0.0
FSS - EFT Vent						6-16-6 FL-OBS-EG	6m Obsx16x6m FL (db33) lowEgas	0.0
RCW - EFT Vent						6-16-6 FL-OBS-F	6m Obsx16x6m FL (db33) F-N	0.0
TSH - EFT Vent						6-16-6 FL-OBS-FG	6m Obsx16x6m FL (db33) F-Ngas	0.0
TSV - EFT Vent						6-16-6 FL-OBS-S	6m F-Obsx16x6m FL (db33)	0.0
Full Glazed						6-16-6 FL-S	6m FLx16x6m FL (db33)	0.0
Regular C/Wall						6-16-6 FL-SERALI-FG	6m FLx16x6m Seralit 100% (db33) F-Ngas	0.0
Louvres Into Doors (ONLY)								
Project Specific								
U Value - Centre Pane								

OK Cancel Filter...

THE MAIN SCREEN WILL RETURN AND YOU WILL SEE THAT THE 6-16-6 FL IS NOW IN THE GLAZING BOX

Finish/Colour: [COL:COMAR:WHITE (WHITE)] ...

Glazing: [FIL:COMAR:6-16-6 FL] ...

Category 1 - condition is r poorly grass

ONCE YOU ARE HAPPY THAT EVERYTHING IS CORRECT YOU CAN NOW CLICK **OK** AS SHOWN BELOW.

IF YOU ACCIDENTLY CLICK OK WITHOUT EVERYTHING BEING CORRECT AND THE BOX DISSAPEARS PLEASE CLICK BACK ONTO THE START A NEW QUOTE BUTTON AND THIS WILL BRING THE BOX UP.

ONCE YOU HAVE CLICKED OK, YOU WILL SEE THAT THE MAIN SCREEN CHANGES AND A NEW QUOTE HAS BEEN CREATED . THE QUOTE SCREEN IS NOW SHOWN AND THE QUOTE IS OPEN (AS SHOWN BELOW). ALL OF THE INFORMATION THAT YOU HAVE JUST ENTERED WILL BE LISTED ON THESE SCREENS (SHOWN BELOW) THE QUOTE TITLE IS SHOWN UNDER THE QUOTE TAB AND THE DEFAULT OPTIONS WILL HOLD BOTH THE GLAZING AND THE FINISHES THAT YOU ENTERED. **ANY NEW FRAME THAT YOU ADD FROM NOW ON WILL USE YOUR DEFAULT FINISH AND DEFAULT GLASS**, YOU CAN CHANGE THE TITLE DIRECTLY ON THIS SCREEN OR YOU CAN CLICK BACK ONTO “START A NEW QUOTE” AND THIS WILL BRING THE BOX BACK UP.

IF YOU DO NOT HAVE AN ACTIVE QUOTE OPEN THEN PLEASE NOTE THAT “START A NEW QUOTE” BUTTON WILL START A NEW ONE FOR YOU. YOU MAY NEED TO USE THE “EDIT A QUOTE” BUTTON LATER ON TO GET BACK INTO AN OLD ONE SO PLEASE REMEMBER WHAT THE PROCESS OF THESE BUTTONS ARE.

START A NEW QUOTE. (CAN ALSO BE USED TO EDIT THE EXISITNG QUOTE DETAILS LIKE TITLE)



EDIT A QUOTE. THIS WILL OPEN A QUOTE THAT YOU HAVE ALREADY STARTED AND SHUT DOWN



COMAR 5PI ECO WINDOW SYSTEM

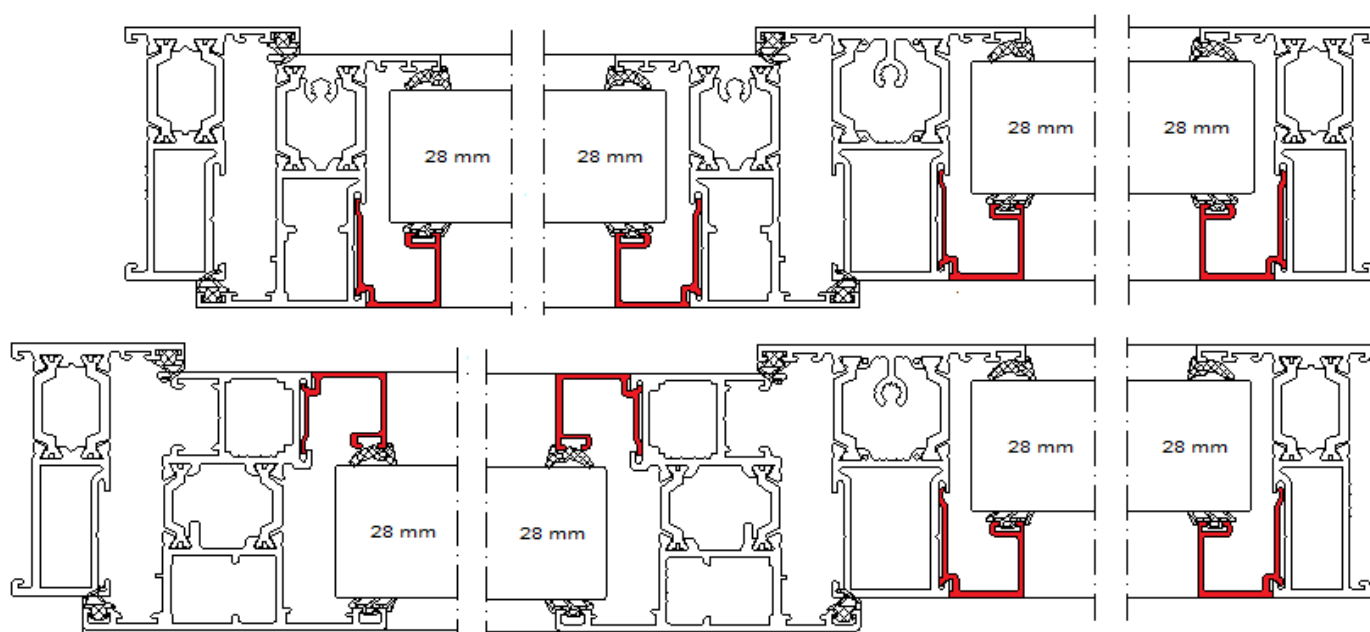
KEY SYSTEM DETAILS

THE COMAR 5PI ECO WINDOW SYSTEM IS A SINGLE OR DUAL COLOUR CASEMENT SYSTEM ONLY, THIS MEANS THAT IT WILL ONLY ALLOW VENTS WHICH **OPEN OUT** SUCH AS TOP OR SIDE HUNG (BUTT HINGE) OR TOP OR SIDE PROJECTED (FRICTION HINGE) AND EXTERNAL OR INTERNALFIXED LIGHTS

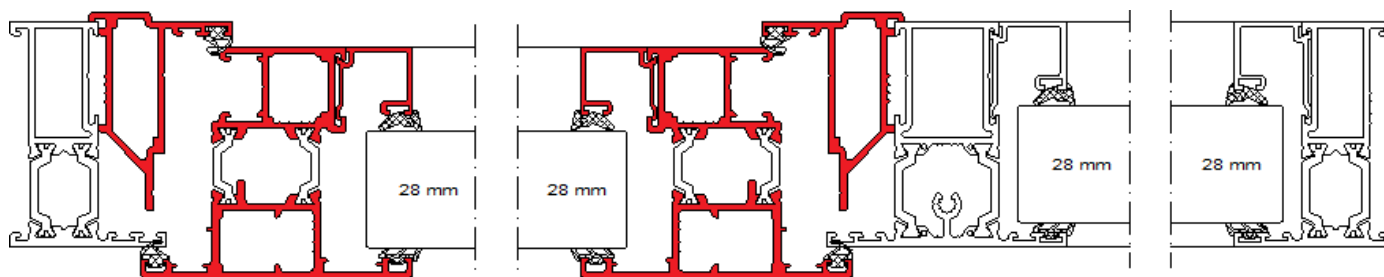
IT CANNOT BE USED FOR OPEN IN WINDOWS, TILT/TURN, PIVOTS, TOP SWINGS, VERTICAL OR HORIZONTAL SLIDERS.

THIS WINDOW SYSTEM IS DESIGNED FOR LIGHT COMMERCIAL OR RESIDENTIAL USE, IT IS RECOMMENDED THAT THE MAXIMUM VENT SIZE IS 1200MM X 1200MM FOR TOP PROJECTED OR 900MM X 1300MM FOR SIDE PROJECTED. THE MAXIMUM SASH/VENT WEIGHT INCLUDING GLASS, HARDWARE AND PROFILES SHOULD NOT EXCEED A COMBINED WEIGHT OF 24KG

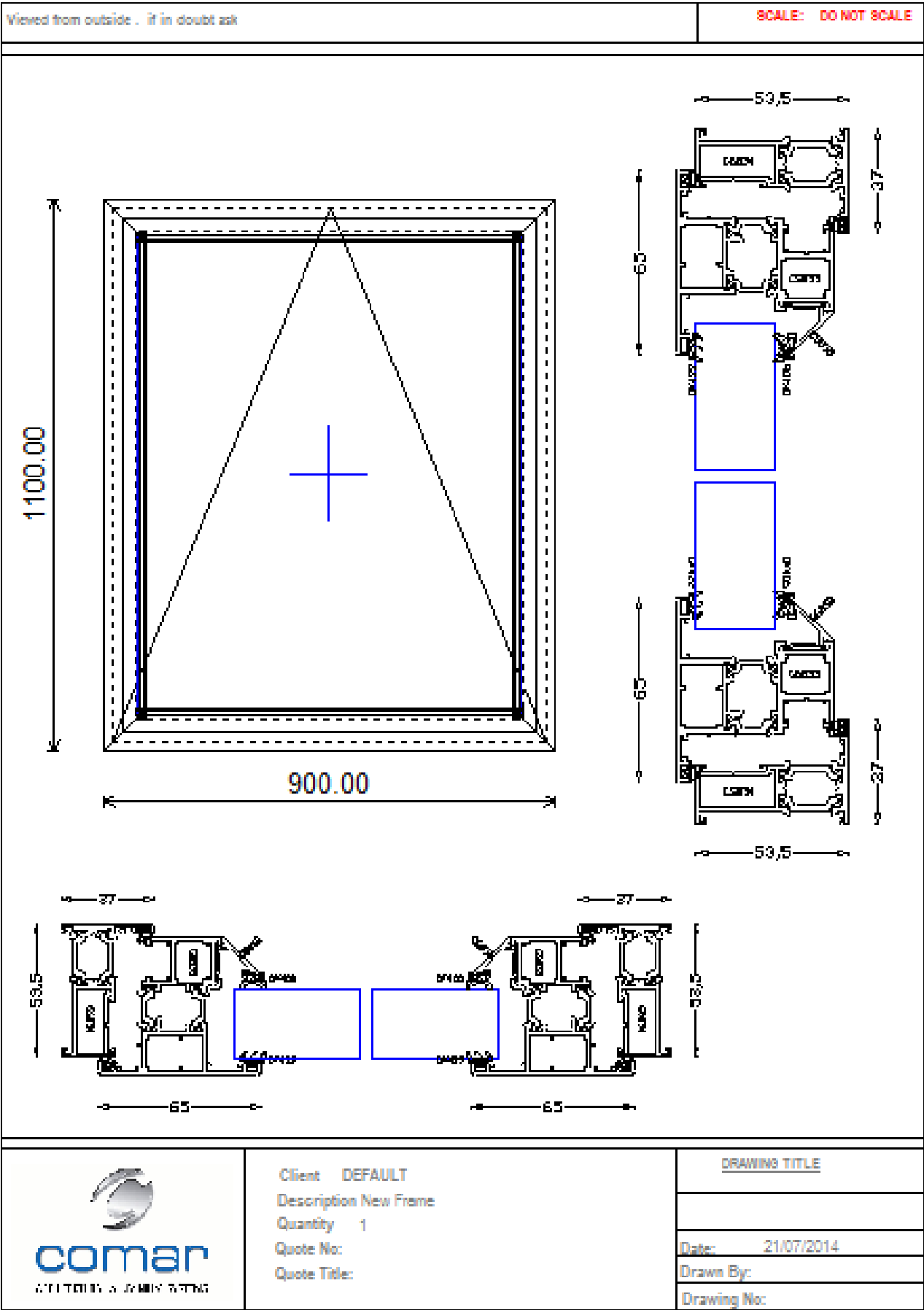
AS STANDARD THE SYSTEM CAN BE EXTERNALLY BEADED ON THE FIXED LIGHT AND ANY VENTS PUT INTO THE SYSTEM CAN BE EXTERNAL OR INTERNALLY BEADED. (AS SHOWN BELOW)



IF A FRAME HAS ANY FIXED LIGHTS AND YOU WANT THEM TO BE INTERNALLY BEADED THEN YOU WILL NEED TO START OFF WITH AN INTERNALLY BEADED OUTERFRAME. THIS WILL MEAN THAT THE REBATE OF THE FRAME WILL FORCE THE VENT TO OPEN IN (WHICH ISNT POSSIBLE ON THIS SYSTEM), THE SOFTWARE WILL AUTOMATICALLY ADD A TRANSFER PROFILE (AS SHOWN BELOW), THIS WILL REVERSE THE REBATE AND MAKE THE VENT OPEN OUT.



In a moment we will be designing a top hung, the First frame will look like this



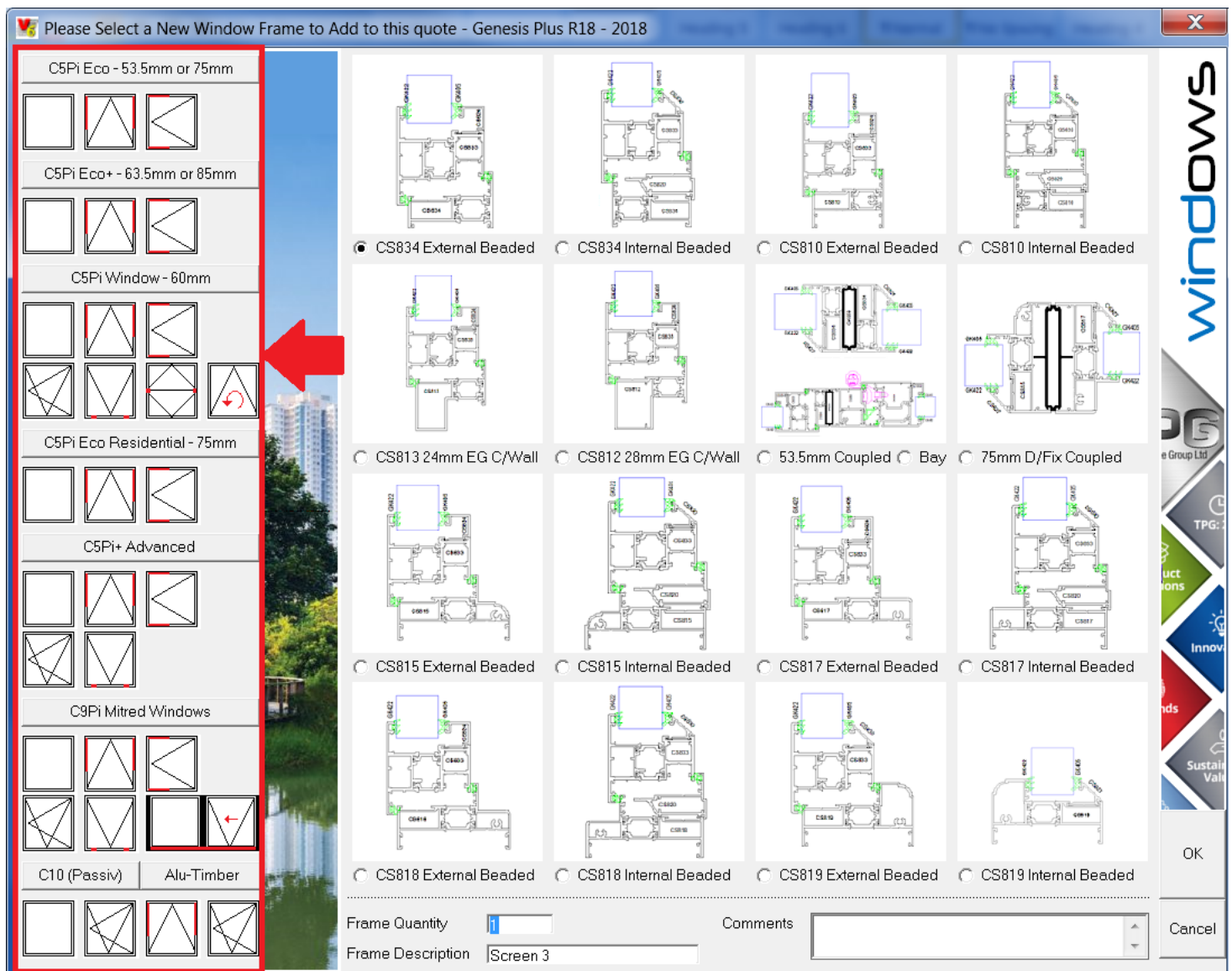
ADDING AN ECO FRAME TO THE QUOTE

WE NOW WANT TO ADD A FRAME TO THE QUOTE. CLICK ONTO THE “ADD A FRAME” BUTTON

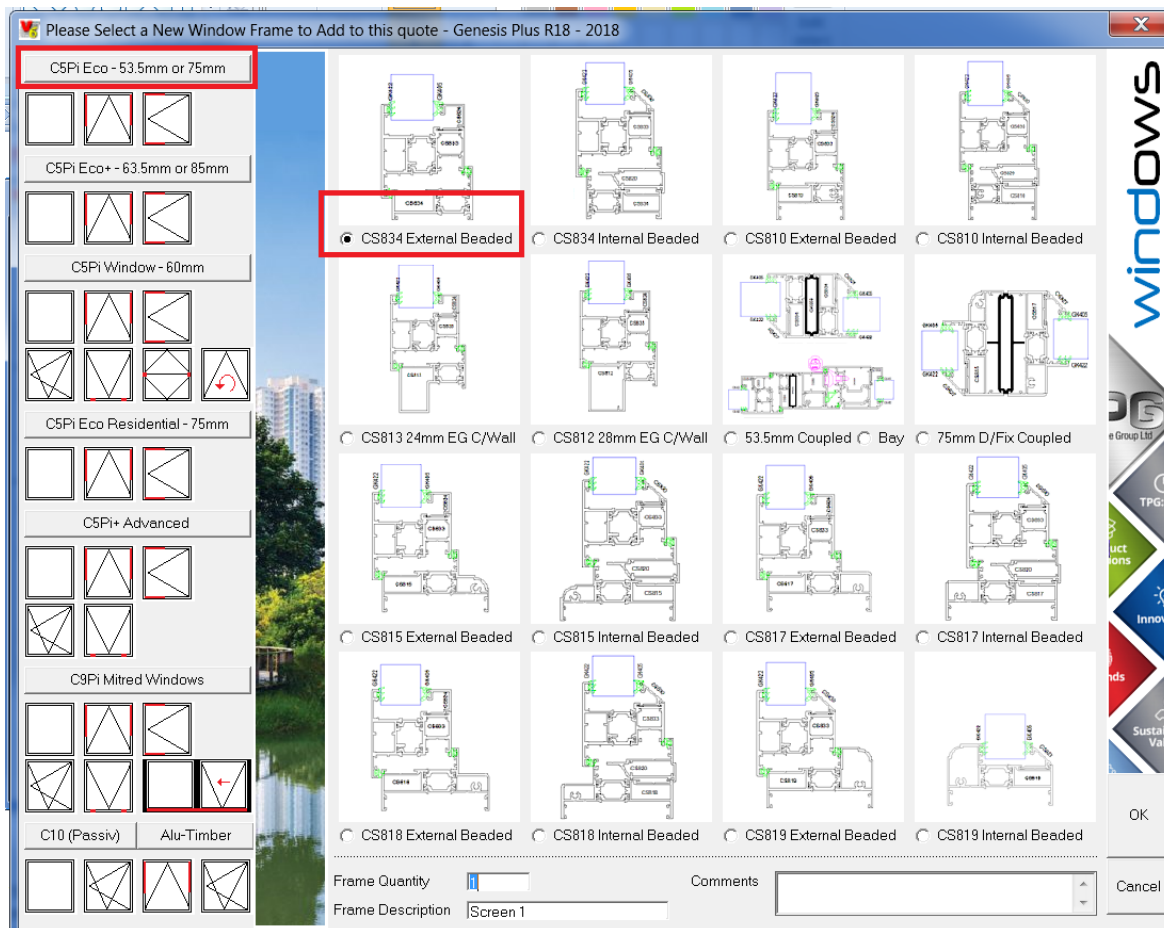


THE FOLLOWING SCREEN WILL APPEAR. THIS SHOWS YOU THE ENTIRE STANDARD FRAMING SYSTEMS THAT WE HAVE. YOU WILL SEE THAT THERE ARE TABS ALONG THE TOP WHICH FILTER DOWN THE DIFFERENT TYPES OF SYSTEMS WHEN YOU CLICK ONTO THEM.

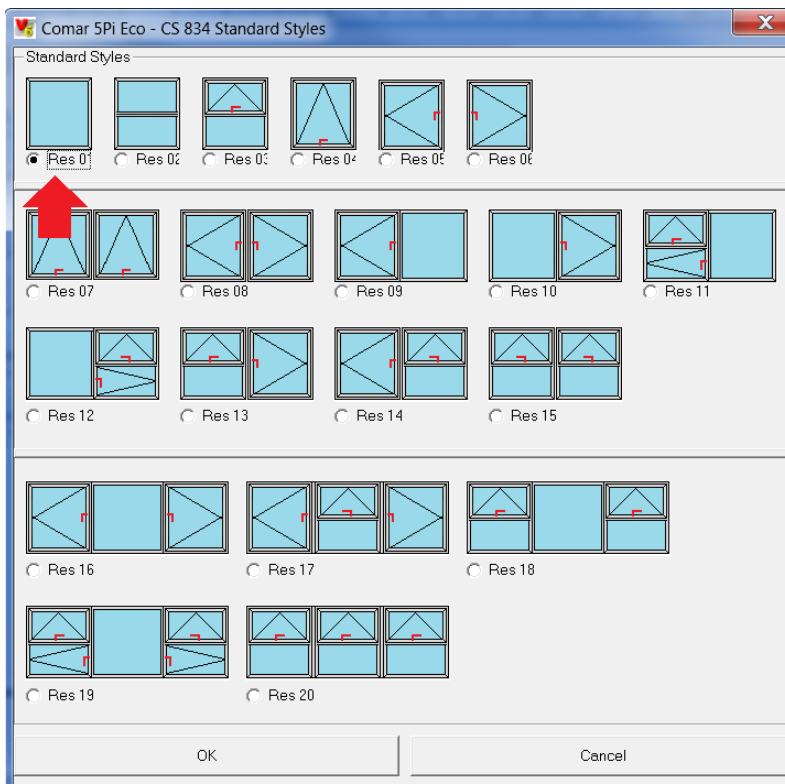
PLEASE DO NOT CLICK OK YET



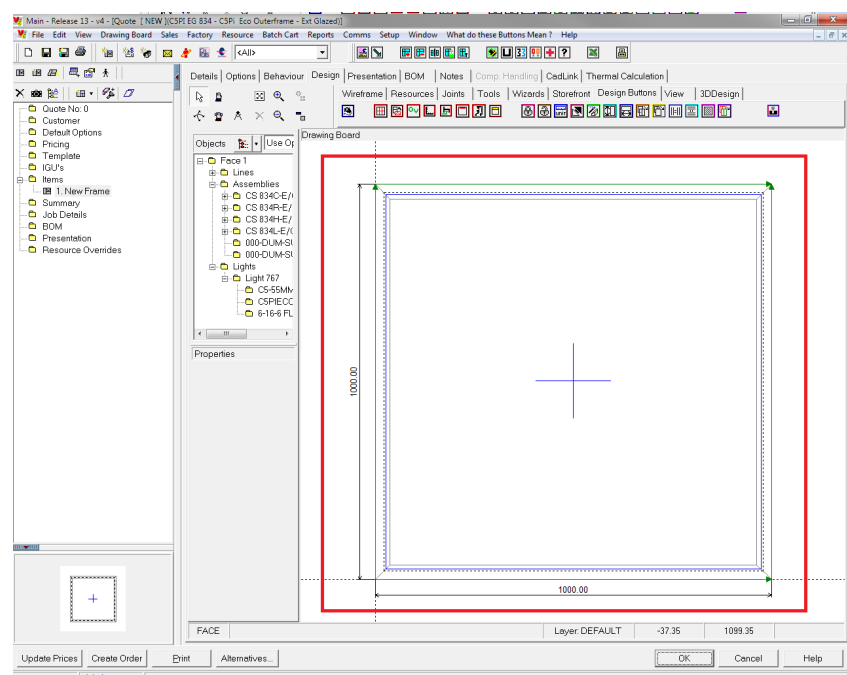
FOR THE FIRST SCREEN WE WANT A SINGLE TOP HUNG SO AS THERE ARE NO FIXED LIGHTS WE WILL START OFF EXTERNALLY BEADED (OTHERWISE WE WILL END UP WITH A TRANSFER PROFILE WHERE THIS IS NOT REQUIRED). GO TO THE “C5PI ECO WINDOW – 53.5MM” TAB ON THE LEFT HAND SIDE, NOW HIGHLIGHT THE “CS834 EXTERNAL BEADED BUTTON” AND THEN CLICK “OK”.



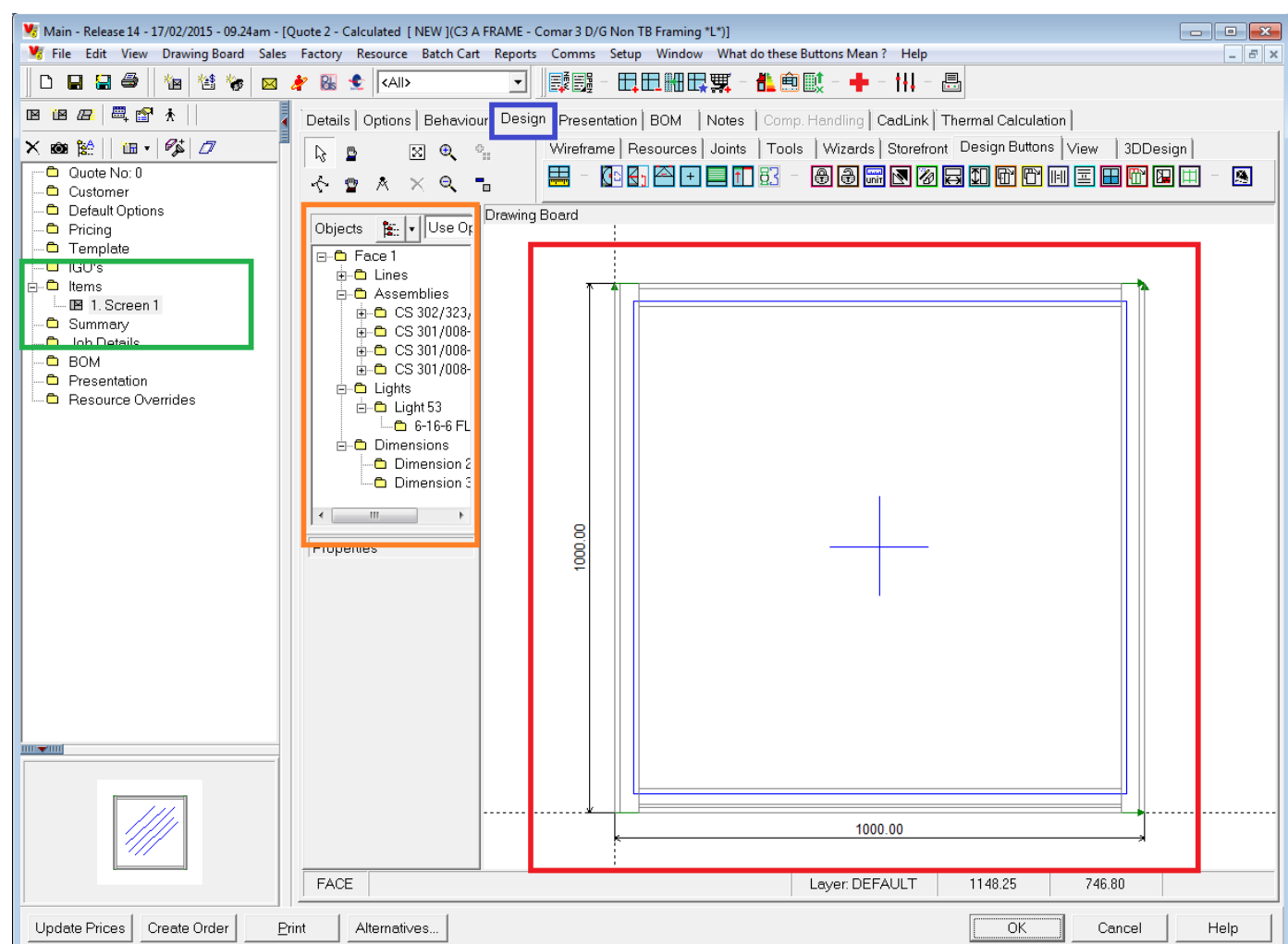
WE WANT TO BUILD THE SHOPFRONT FROM SCRATCH IN THIS CASE SO PLEASE CHOOSE THE FIRST OPTION AND THEN CLICK “OK”



WHEN A FRAME IS ADDED INTO GENESIS IT WILL ALWAYS ADD A SQUARE FRAME WITH DEFAULTS BASED ON THE OPTION CHOSEN. WE DO NOT USE STANDARD STYLES ON WINDOWS SO WE WILL ALWAYS BE BUILDING THE FRAME AND THEN ADDING IN VENTS WHERE REQUIRED



NOW THAT YOU HAVE ADDED A FRAME TO THE QUOTE YOU WILL SEE THAT YOU NOW HAVE ONE ITEM LISTED IN THE LEFT HAND SIDE SCREEN,(THIS WILL LIST ANY FRAMES THAT YOU HAVE ADDED TO YOUR QUOTE) THE RIGHT HAND SIDE OF THE SCREEN IS THE DESIGN SCREEN AND YOU CAN SEE THAT IT HAS ADDED A FRAME 1000MM X 1000MM. IN A MOMENT WE WILL CHANGE THE DESIGN. YOU WILL NOT HAVE THE COLOURED BOXES AS SHOWN BELOW THEY WILL BE USED TO HIGHLIGHT SOME AREAS IN ONE MOMENT



BEFORE WE CHANGE THE DESIGN OF THIS SCREEN, LETS TAKE A BIT OF TIME GETTING USED TO THE NEW MENUS THAT YOU CAN ACCESS NOW WE HAVE ADDED A FRAME.

DESIGN

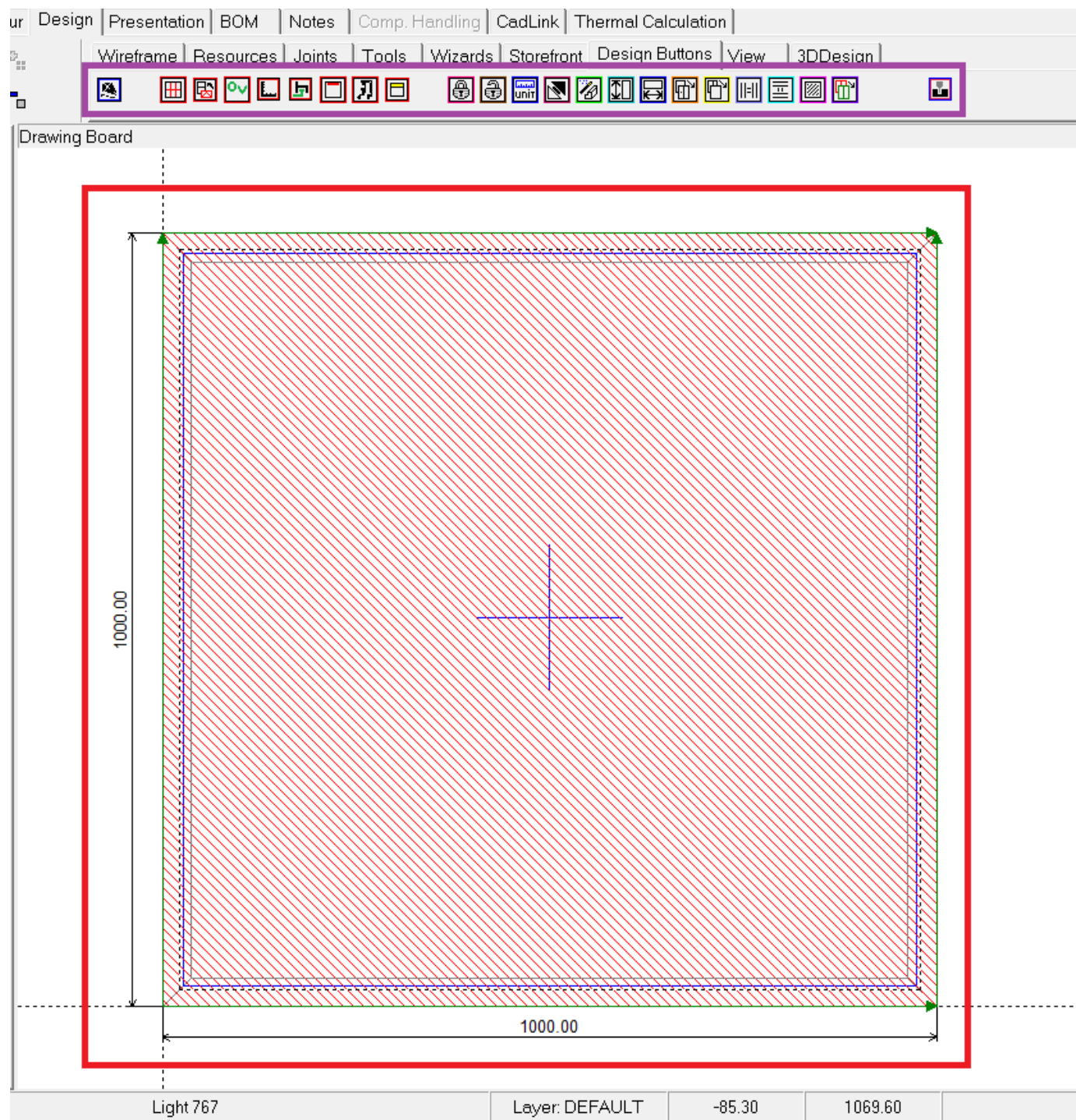
THE DESIGN SCREEN DRAWING BOARD WILL SHOW YOU WHAT THE FRAME LOOKS LIKE, ALL CHANGES TO THE FRAME INCLUDING ADDING TRANSOMS, CHANGING SIZES ETC AND ADDING WINDOWS OR DOORS ARE DONE HERE. THE FRAMES SHOWN ARE BEING BUILT IN FULL SIZED EXTRUSIONS SO THE SCALE IS A TRU REPRESENTATION OF THE FINISHED PRODUCT.

WHEN YOU HIGHLIGHT A FRAME IN THE ITEMS TAB (AS SHOWN IN THE LEFT HAND SIDE ABOVE IN GREEN) THE DESIGN SCREEN/DRAWING BOARD SHOWS YOU THE DESIGN FOR THAT ITEM, YOU CAN CLICK BETWEEN THE FRAMES (ITEMS) IF YOU HAVE MORE THAN ONE IN A QUOTE AND IF YOU ARE IN THE DESIGN SCREEN THE FRAME SHOWN WILL SWITCH TO SHOW YOU THE ONE THAT YOU HAVE HIGHLIGHTED.

THE ORANGE RECTANGLE INDICATES THE OBJECTS BOX, THIS LISTS ALL THE ASSEMBLIES YOU HAVE USED AS WELL AS GLASS AND DOORS.

CHANGING THE DESIGN

WE ARE NOW GOING TO CHANGE THE DESIGN OF THE FRAME SO WE NOW MOVE DOWN TO THE DRAWING BOARD (WHILST IN DESIGN) AND THERE ARE MACRO DESIGN BUTTONS WHICH ARE RELEVANT TO THE FRAME THAT WE ARE VIEWING AT THAT TIME. THERE ARE QUITE A FEW BUTTONS HERE (AND THEY ARE SMALL) BUT GENERALLY THE FIRST SET OF BUTTONS ARE TO CHANGE THE DESIGN OF THE FRAME, ADDING DOORS AND ADDING WINDOWS. THE SECOND SET OF BUTTONS ARE SIMPLE COMMANDS LIKE CHANGING SECTIONS, SPLITTING LIGHTS (ADDING MULLIONS OR TRANSOMS), MERGING LIGHTS (DELETING MULLIONS OR TRANSOMS), CHANGING HEIGHTS OR TRANSOMS AND WIDTHS OF MULLIONS AND CHANGING GLASS. YOU WILL NOTICE THAT THE AMOUNT OF BUTTONS THAT YOU SEE WHEN DESIGNING DIFFERENT SYSTEMS WILL CHANGE DEPENDING ON WHAT FRAME YOU ARE DESIGNING. I.E YOU WOULN'T HAVE A DOOR BUTTON FOR BUILDING A WINDOW. LIKE AUTOCAD THE BUTTONS ARE THERE TO MAKE IT QUICKER TO PERFORM EVERYDAY TASKS.



WE ARE NOW GOING TO CHANGE THE DESIGN AND DIMENSIONS OF THIS FRAME, IN MOST CASES THE FIRST BUTTON SHOWN IN THE DESIGN SCREEN WILL PERFORM A TASK TO CHANGE THE DESIGN OR THE DIMENSIONS.

(IF YOU WANT TO EXPLORE WHAT THESE BUTTONS DO YOU CAN USE YOUR MOUSE TO HOVER OVER THE BUTTON AND IT SHOULD TELL YOU WHAT COMMAND THE BUTTON PERFORMS).

CLICK ONTO THE FRAME BUILD BUTTON.



THIS WILL BRING UP THE REBUILD BUTTON, WE WILL BE CHANGING THE SIZES LATER ON.

THIS SCREEN (WHICH IS ONE OF THE COMMON SCREENS) HANDLES THE MOST PART OF THE FRAMING PART OF OUR DESIGN (EXCLUDING ADDING VENTS ETC).

WE CAN CHANGE THE WIDTH, HEIGHT LIGHTCODE OR COLUMNS AND ROWS, THE DESCRIPTION AND QUANTITY OF THE FRAME, EXTRUSION FINISH, AND SECTIONS TO BE USED.

THE DEFAULT SECTIONS FOR THE HEAD, TRANSOMS ETC ARE BASED ON OUR TECHNICAL MANUAL, IN MOST CASES YOU MAY NEED TO CHECK THE WINDLOADING FOR THE FRAMES TO INDICATE WHAT MULLIONS OR TRANSOMS TO USE, BUT AS STANDARD THESE WILL BE THE SECTIONS TO USE (SUBJECT TO WINDLOADINGS). **DO NOT CLICK OK**

Comar 5Pi Eco 53.5mm - CS 834 Short Leg - Externally Beaded

Frame Width <input type="text" value="500"/>	Bead Profile (Sets with Default) <input type="text" value="Square"/>	Head Extension <input type="text" value="None"/>	Extension
Frame Height <input type="text" value="1000"/>	Single or Dual Colour ? <input type="text" value="Single Colour"/>	Outer Profile <input type="text" value="CS 834 37mm Equal Leg"/>	
Lightcode <input type="text" value="1"/>	Outside Finish <input type="text" value="[COL:COMAR:WHITE (WHITE)]"/>	Mullion Profile <input type="text" value="CS 835 - IXX - 13"/>	Head
Columns <input type="text" value="1"/>	Rows <input type="text" value="1"/>	Transom Profile <input type="text" value="CS 835 - IYY - 3.7"/>	Transom
Frame Quantity <input type="text" value="1"/>	Glass <input type="text" value="[FIL:COMAR:6-16-6 FL]"/>	Sub Cill Type <input type="text" value="None"/>	
Frame Description <input type="text" value="Screen 1"/>	Frame Cleat <input type="text" value="Monticelli"/>	Sub Cill Nosing <input type="text" value="CS 588 - 52mm Nosing"/>	
Item Comments <input type="text"/>	No. of Cruciform Cleats <input type="text" value="0"/>	Left Jamb 	Mullion
	Fixing Strap <input type="text" value="No Fixing Straps"/>	Right Jamb 	Cill

Create Cancel

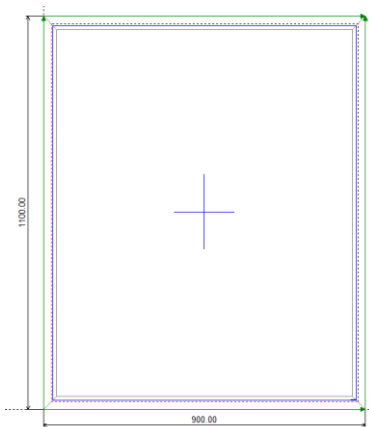
YOU WILL SEE THAT THE BELOW SCREEN HAS ALREADY SELECTED THE PROFILES THAT ARE THE STANDARD DEFAULT FOR THIS SYSTEM. (SHOWN ON THE RIGHT HAND SIDE), THE SOFTWARE WILL NOT WINDLOAD THESE SECTIONS SO PLEASE BE AWARE THAT ALTHOUGH THEY ARE DEFAULT THEY DO NOT LOOK AT THE SIZE OF THE FRAME.

THE ONLY THINGS THAT WE NEED TO CHANGE ON THIS SCREEN ARE

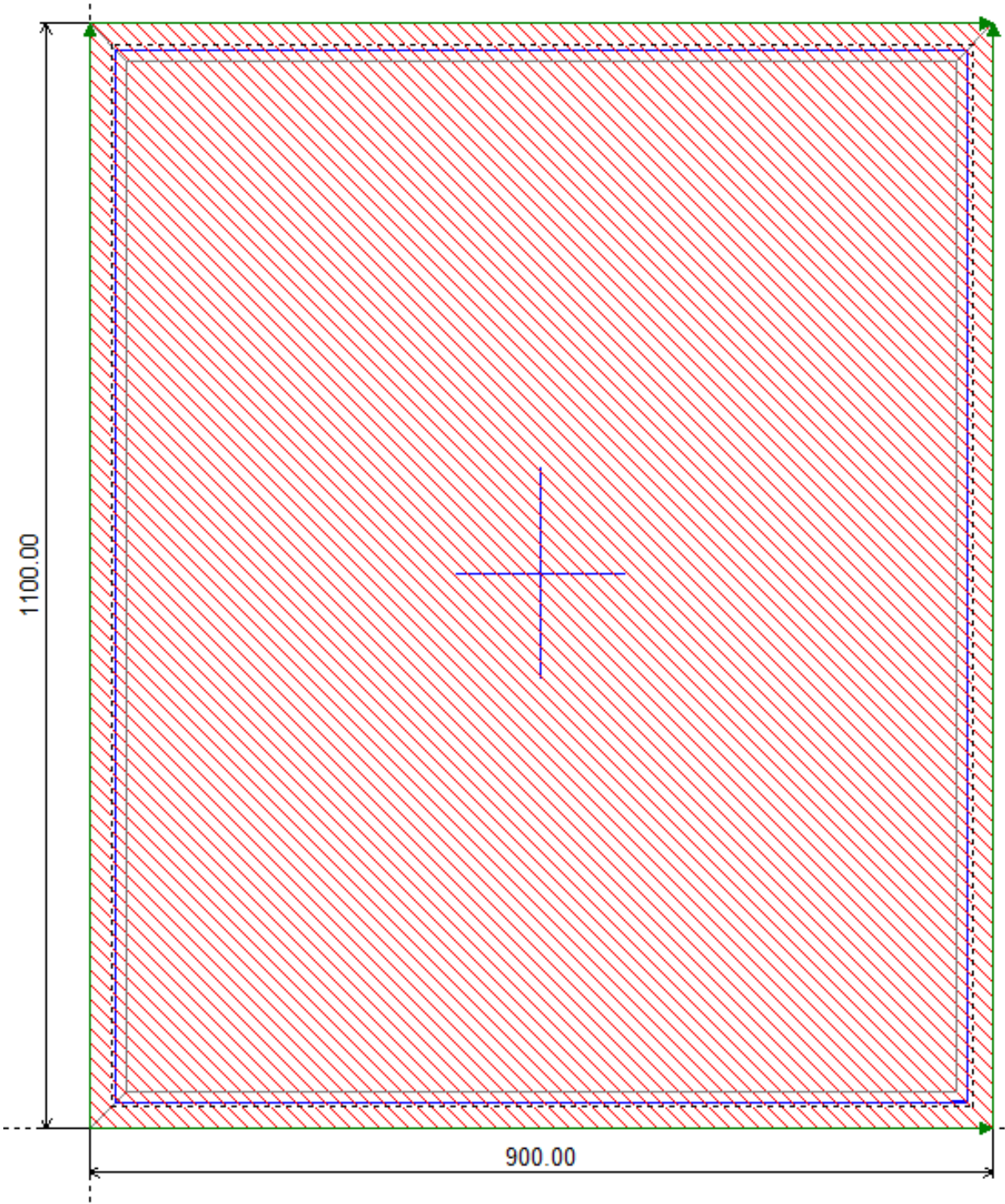
- 1) THE FRAME WIDTH
- 2) THE FRAME HEIGHT
- 3) THE LIGHTCODE (AS EXPLAINED EARLIER, THIS IS JUST ANOTHER WAY TO SPECIFY COLUMNS & ROWS BUT YOU COULD USE THE COLUMNS AND ROW FIELDS IF YOU LIKE.
- 4) THE DESCRIPTION OF FRAME OR A FRAME CODE. I.E "ED1", IF YOU DO NOT HAVE AN ITEM NUMBER IT IS A GOOD IDEA TO USE FRAME 1, FRAME 2 ETC TO AVOID CONFUSION.
- 5) YOU WILL SEE THAT IT HAS ALSO BOUGHT THROUGH THE FRAME DEFAULTS FOR THE FINISH AND THE GLASS AS CHOSEN EALIER ON.

WHEN YOU HAVE CHANGED THE HIGHLIGHTED ITEMS PLEASE CLICK CREATE.

THE SCREEN HAS NOW BEEN REDESIGNED



WE CAN NOW ADD AN OPENING SASH INTO THE FRAME. USING YOUR MOUSE, HIGHLIGHT WHERE WE WILL BE PLACING THE OPENING LIGHT (THE LIGHT WILL NOW BE HATCHED IN RED)



NOW CLICK ONTO THE OPENING SASH BUTTON (AS SHOWN BELOW)



THE BELOW BOX WILL NOW APPEAR AND AS WITH MOST OTHER SCREENS IN GENESIS THE DEFAULT THAT COMES UP WILL NORMALLY BE THE STANDARD OPTION. IF YOU CLICK OK AT THIS POINT A VENT WILL BE ADDED WITH AN INTERNALLY BEADED SASH, A SLOPED BEAD, AND WITH FRICTION HINGES WITH SHOOTBOLT LOCKING. THERE IS ALOT OF INFORMATION AND OPTIONS CONTAINED IN THIS ONE SCREEN AND UNLIKE MOST OTHER ESTIMATING SOFTWARE PACKAGES IT DOES NOT GO THROUGH EACH STAGE IT IS JUST IN ONE BUTTON

SO PLEASE TAKE A MINUTE TO LOOK AT THE OPTIONS ON THE SCREEN TO SEE WHAT CAN BE CHANGED HERE. **THE ARROW NEXT TO THE OPTION (AS INDICATED BELOW) SHOWS THE OPTION THAT WE WILL BE CHANGING SOON BUT PLEASE USE THE COMPUTER MONITOR TO LOOK THROUGH THE OPTIONS.**

CLICK ONTO THE DROP DOWN ARROW NEXT TO THE HANDLE TYPE

USING YOUR MOUSE CHOOSE THE R/H INLINE ESPAG (ESPAG LOCKING WITH RIGHT HANDED HANDLE)

ONCE YOU CLICK ONTO THE OPTION IT WILL SHOW IN THE BOX NOW (AS SHOWN BELOW), IF YOU MAKE A MISTAKE THEN YOU CAN CLICK BACK ONTO THE DROP DOWN LIST.

CLICK OK WHEN YOU HAVE FINISHED MAKING YOUR SELECTION.

Comar 5/55mm Sash Insert - External Frame + Glazed in Trickle Vent

Sash Profile: CS 833 Int Glaze

Bead Type: Square Bead

Window Type: Top Hung

Side Hung Hanging: Left Hand Hung

No. of Dummy Transoms: None

No. of Dummy Mullions: None

Glazed-In Trickle Vent

Trickle Vent Type: None

End Cap Furniture: Op Set Black

Hinge Type: Friction Stays

Handle Type: R/H Inline Espag

Handle Finish: Silver

Hinge Finish: Silver

Eco Maximum Vent Sizes

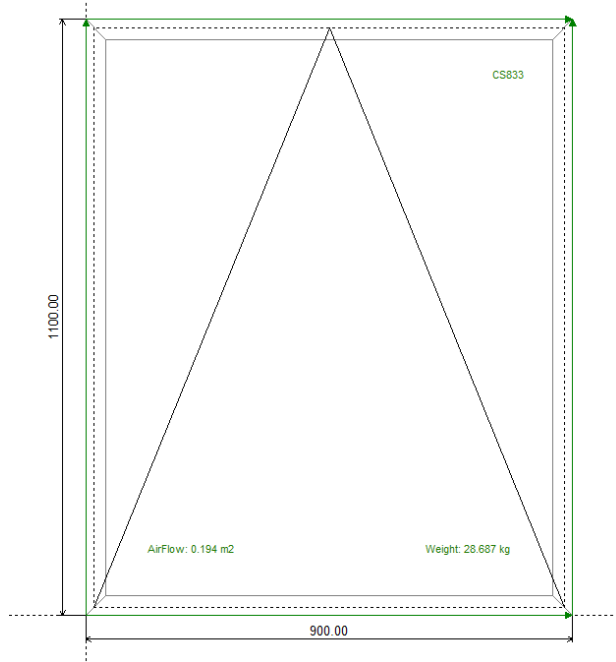
Top Projected
Width: 1200
Height: 1200
Weight: 50Kg

Side Projected
Width: 1000
Height: 1300
Weight: 40Kg

CHECK THAT BUTT HINGES WILL FIT WHEN ADDING SMALL OUTERFRAMES AND OR TRANSOMS OR MULLIONS AND WHEN USING DOUBLE VENTS

OK Cancel

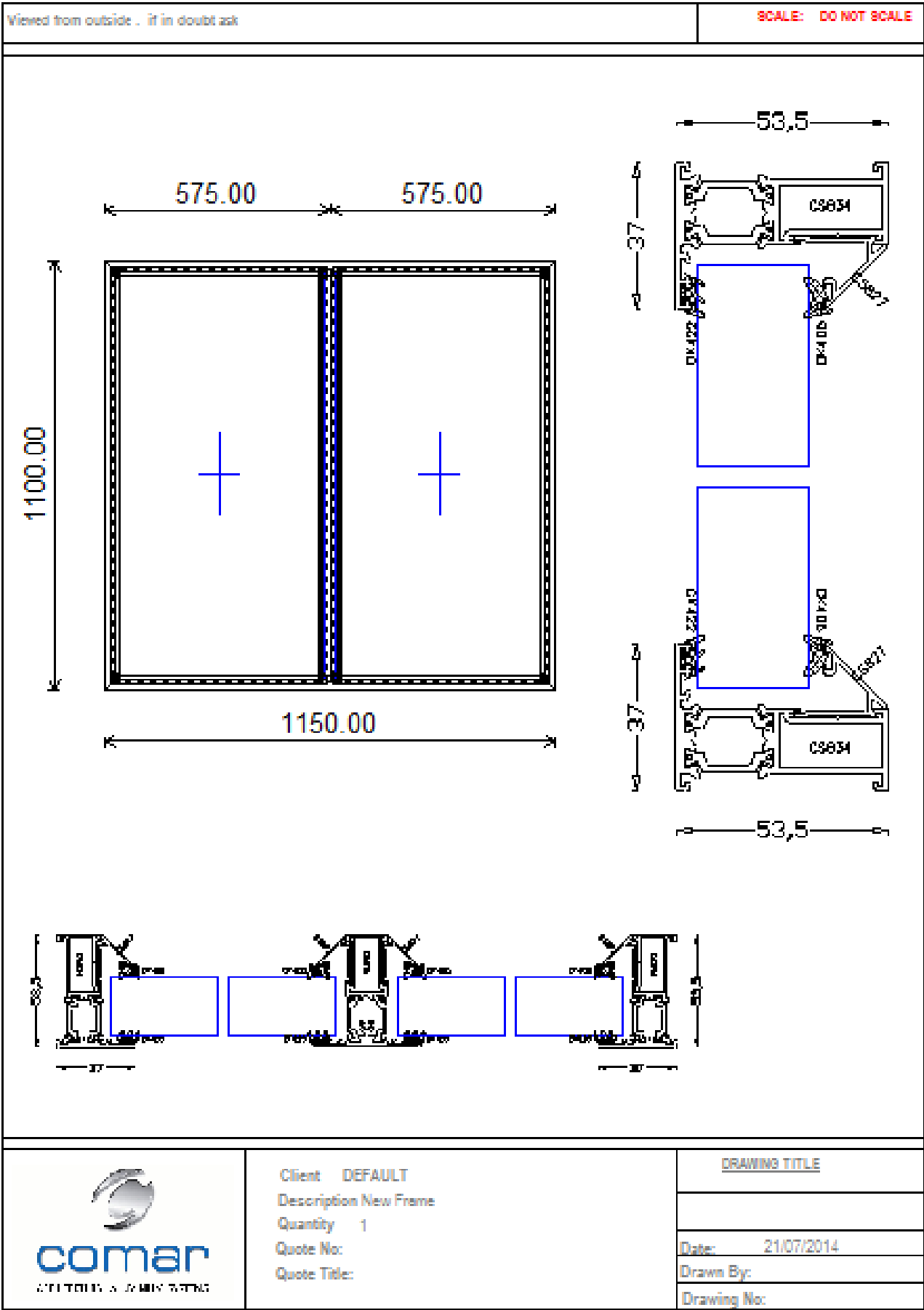
THIS WILL NOW SHOW YOU THE NEW DESIGN .



THIS FRAME IS NOW COMPLETE, ITS ALWAYS BEST TO USE THE QUICKSAVE BUTTON AFTER ADDING A FEW ITEMS AS THIS WILL TO SAVE WHERE YOU ARE. CLICK ONTO THE BUTTON AS SHOWN.



In a moment we will be building a fixed light, the next frame will look like this



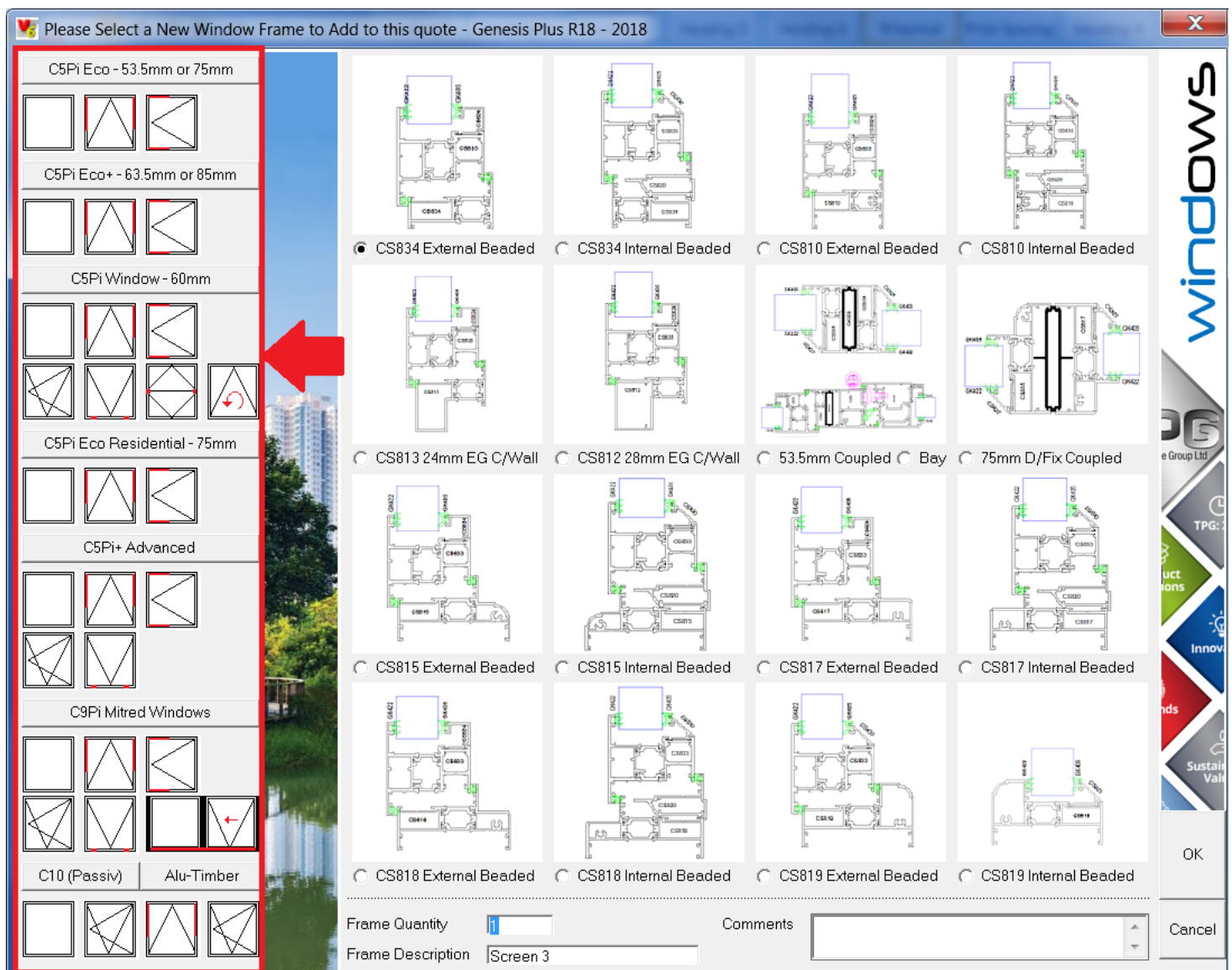
ADDING A SECOND ECO FRAME TO THE QUOTE

WE NOW WANT TO ADD ANOTHER FRAME TO THE QUOTE. CLICK ONTO THE “ADD A FRAME” BUTTON

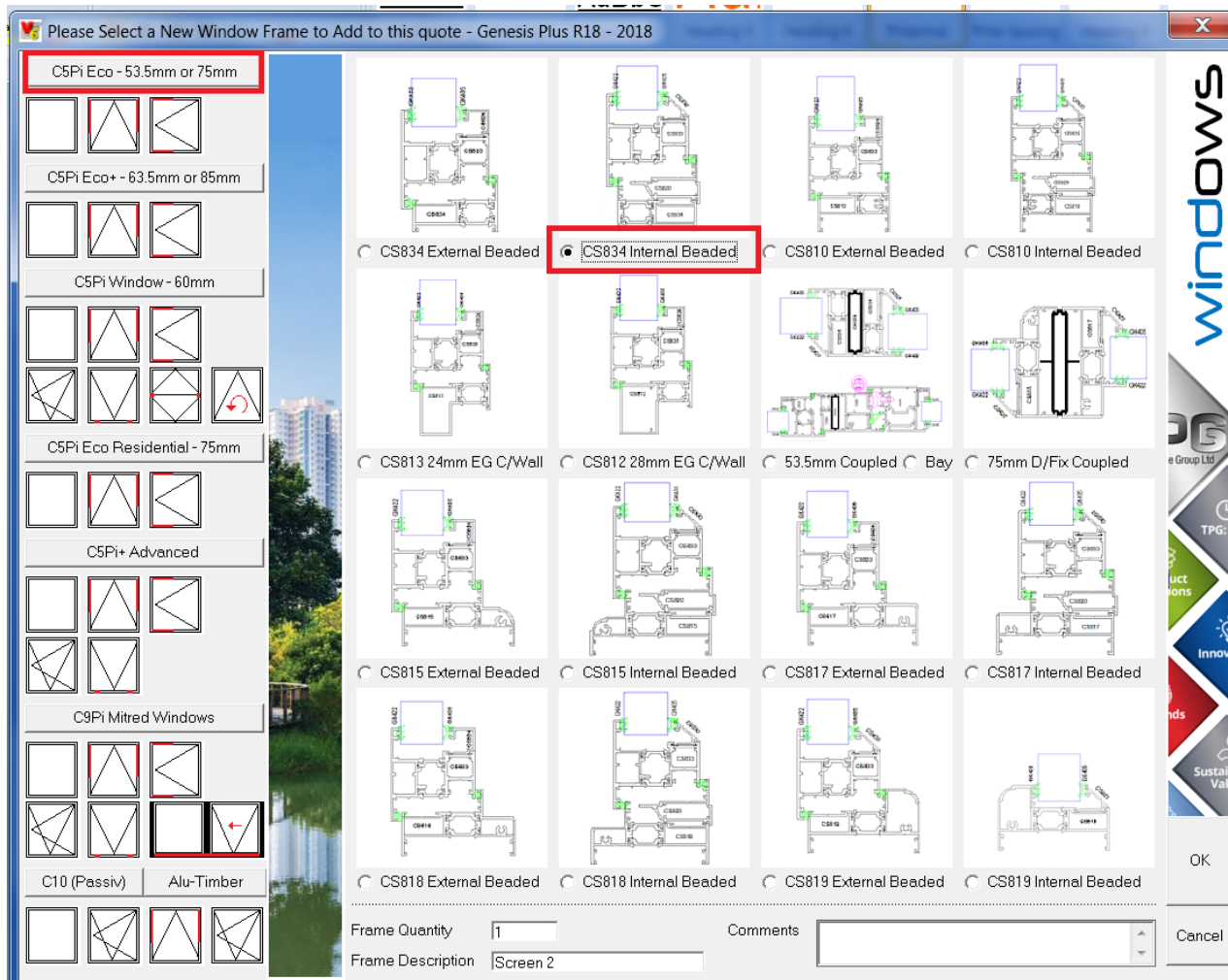


THE FOLLOWING SCREEN WILL APPEAR. THIS SHOWS YOU THE ENTIRE STANDARD FRAMING SYSTEMS THAT WE HAVE. YOU WILL SEE THAT THERE ARE TABS ALONG THE TOP WHICH FILTER DOWN THE DIFFERENT TYPES OF SYSTEMS WHEN YOU CLICK ONTO THEM.

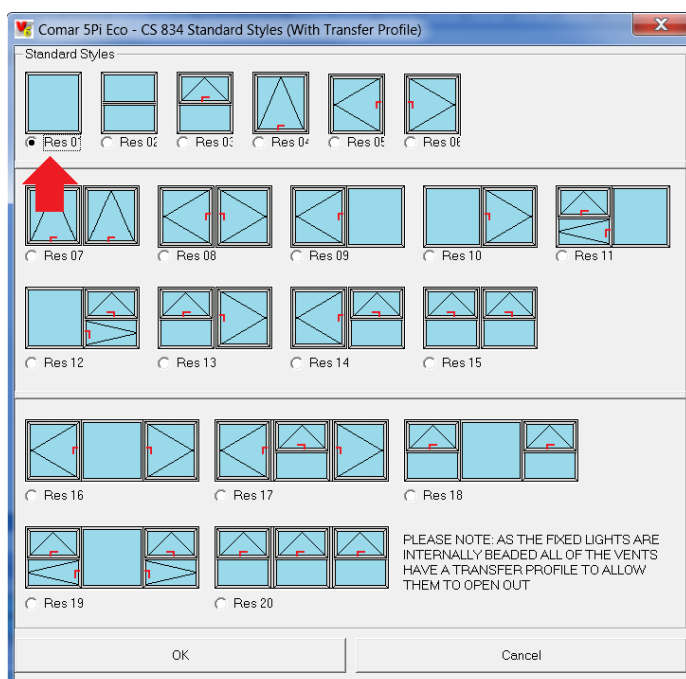
PLEASE DO NOT CLICK OK YET



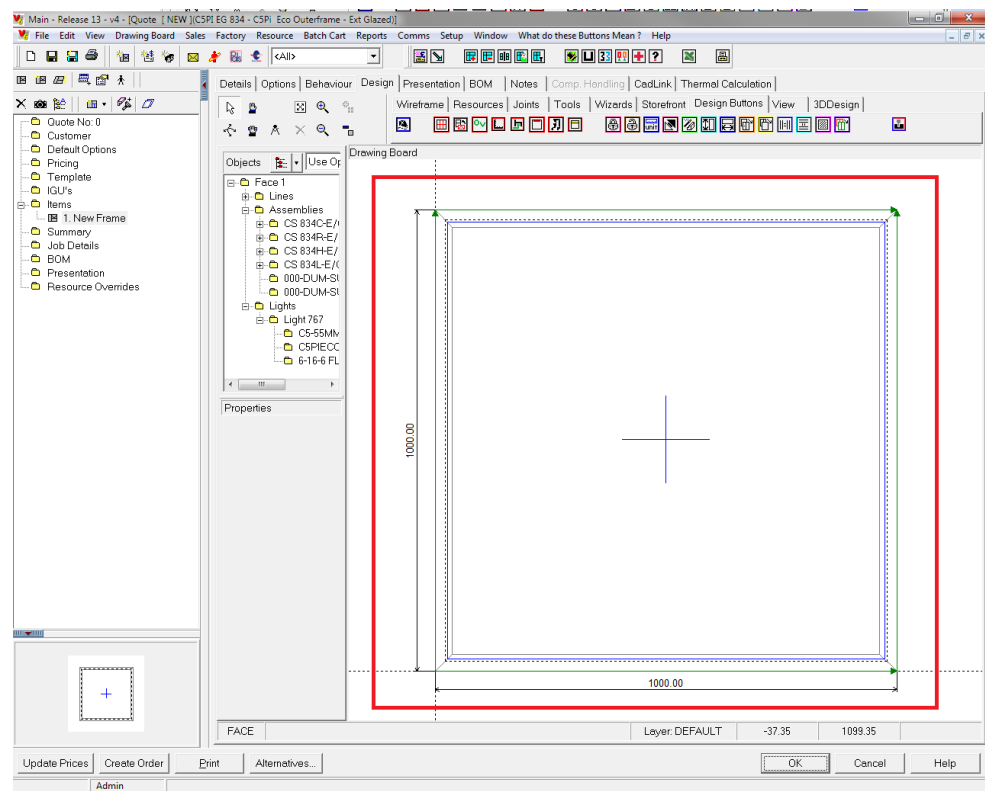
FOR THE FIRST SCREEN WE WANT A SINGLE TOP HUNG SO AS THERE ARE NO FIXED LIGHTS WE WILL START OFF EXTERNALLY BEADED (OTHERWISE WE WILL END UP WITH A TRANSFER PROFILE WHERE THIS IS NOT REQUIRED). GO TO THE “C5PI ECO WINDOW – 53.5MM” TAB ON THE LEFT HAND SIDE, NOW HIGHLIGHT THE “CS834 INTERNAL BEADED” BUTTON AND THEN CLICK “OK”.



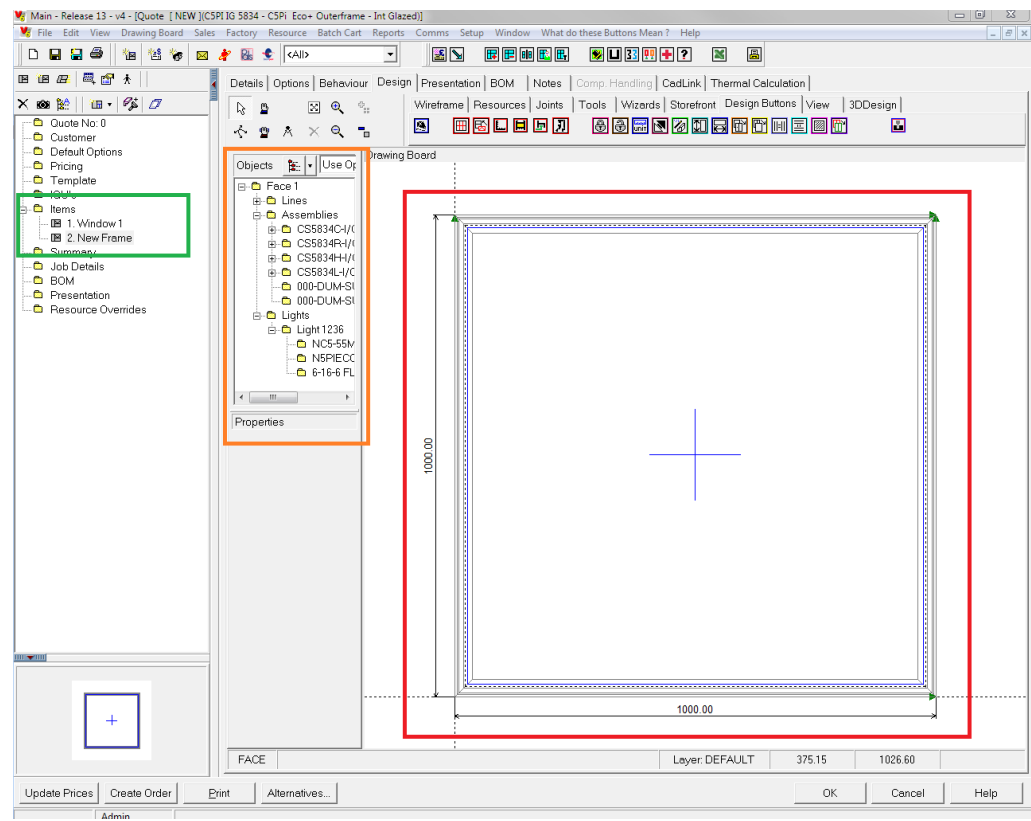
WE WANT TO BUILD THE WINDOW FROM SCRATCH IN THIS CASE SO PLEASE CHOOSE THE FIRST OPTION AND THEN CLICK “OK”



WHEN A FRAME IS ADDED INTO GENESIS IT WILL ALWAYS ADD A SQUARE FRAME WITH DEFAULTS BASED ON THE OPTION CHOSEN. WE DO NOT USE STANDARD STYLES ON WINDOWS SO WE WILL ALWAYS BE BUILDING THE FRAME AND THEN ADDING IN VENTS WHERE REQUIRED



NOW THAT YOU HAVE ADDED ANOTHER FRAME TO THE QUOTE YOU WILL SEE THAT YOU NOW HAVE TWO ITEMS LISTED IN THE LEFT HAND SIDE SCREEN,(THIS WILL LIST ANY FRAMES THAT YOU HAVE ADDED TO YOUR QUOTE) THE RIGHT HAND SIDE OF THE SCREEN IS THE DESIGN SCREEN AND YOU CAN SEE THAT IT HAS ADDED A FRAME 1000MM X 1000MM. IN A MOMENT WE WILL CHANGE THE DESIGN. YOU WILL NOT HAVE THE COLOURED BOXES AS SHOWN BELOW THEY WILL BE USED TO HIGHLIGHT SOME AREAS IN ONE MOMENT



BEFORE WE CHANGE THE DESIGN OF THIS SCREEN, LETS TAKE A BIT OF TIME GETTING USED TO THE NEW MENUS THAT YOU CAN ACCESS NOW WE HAVE ADDED A FRAME.

DESIGN

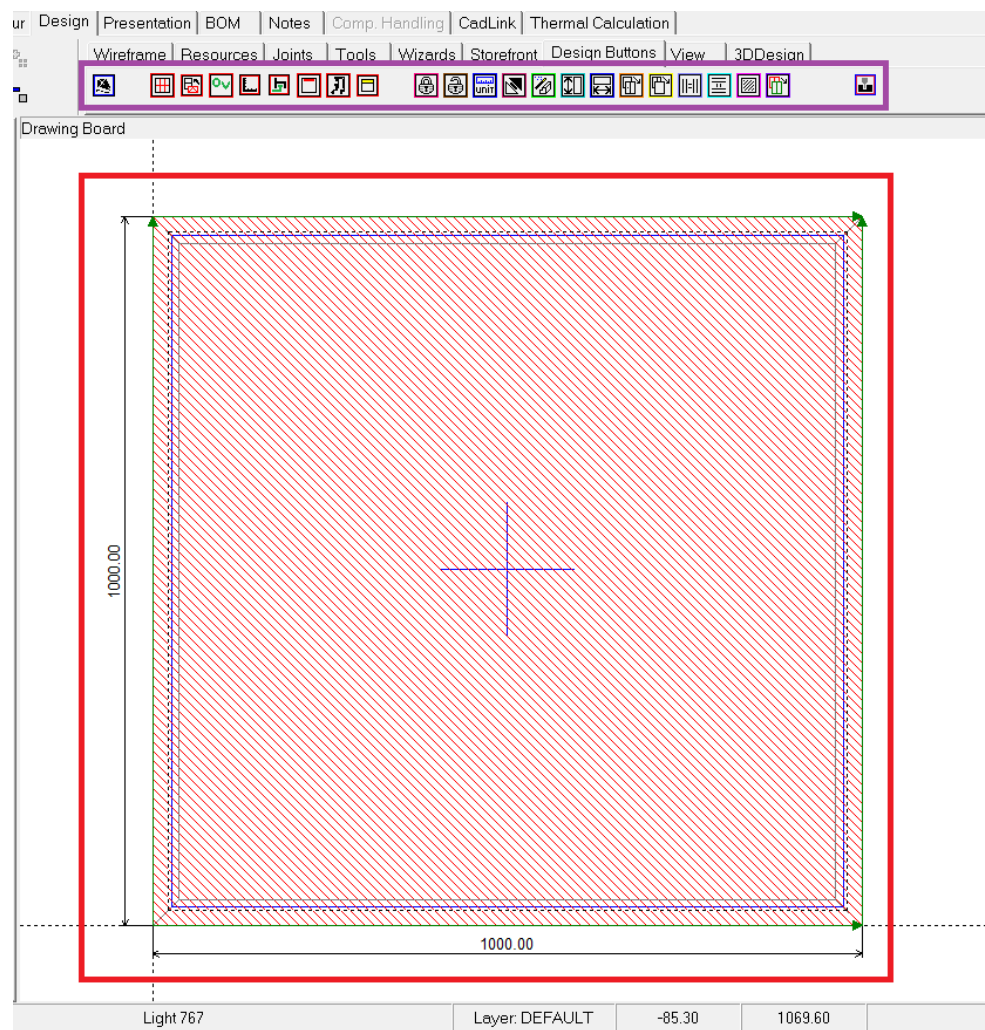
THE DESIGN SCREEN DRAWING BOARD WILL SHOW YOU WHAT THE FRAME LOOKS LIKE, ALL CHANGES TO THE FRAME INCLUDING ADDING TRANSOMS, CHANGING SIZES ETC AND ADDING WINDOWS OR DOORS ARE DONE HERE. THE FRAMES SHOWN ARE BEING BUILT IN FULL SIZED EXTRUSIONS SO THE SCALE IS A TRU REPRESENTATION OF THE FINISHED PRODUCT.

WHEN YOU HIGHLIGHT A FRAME IN THE ITEMS TAB (AS SHOWN IN THE LEFT HAND SIDE ABOVE IN GREEN) THE **DESIGN SCREEN/DRAWING BOARD** SHOWS YOU THE DESIGN FOR THAT ITEM, YOU CAN CLICK BETWEEN THE FRAMES (ITEMS) IF YOU HAVE MORE THAN ONE IN A QUOTE AND IF YOU ARE IN THE **DESIGN SCREEN** THE FRAME SHOWN WILL SWITCH TO SHOW YOU THE ONE THAT YOU HAVE HIGHLIGHTED.

THE ORANGE RECTANGLE INDICATES THE **OBJECTS BOX**, THIS LISTS ALL THE ASSEMBLIES YOU HAVE USED AS WELL AS GLASS AND DOORS.

CHANGING THE DESIGN

WE ARE NOW GOING TO CHANGE THE DESIGN OF THE FRAME SO WE NOW MOVE DOWN TO THE DRAWING BOARD (WHILST IN DESIGN) AND THERE ARE MACRO DESIGN BUTTONS WHICH ARE RELEVANT TO THE FRAME THAT WE ARE VIEWING AT THAT TIME. THERE ARE QUITE A FEW BUTTONS HERE (AND THEY ARE SMALL) BUT GENERALLY THE FIRST SET OF BUTTONS ARE TO CHANGE THE DESIGN OF THE FRAME, ADDING DOORS AND ADDING WINDOWS. THE SECOND SET OF BUTTONS ARE SIMPLE COMMANDS LIKE CHANGING SECTIONS, SPLITTING LIGHTS (ADDING MULLIONS OR TRANSOMS), MERGING LIGHTS (DELETING MULLIONS OR TRANSOMS), CHANGING HEIGHTS OR TRANSOMS AND WIDTHS OF MULLIONS AND CHANGING GLASS. YOU WILL NOTICE THAT THE AMOUNT OF BUTTONS THAT YOU SEE WHEN DESIGNING DIFFERENT SYSTEMS WILL CHANGE DEPENDING ON WHAT FRAME YOU ARE DESIGNING. I.E YOU WOULN'T HAVE A DOOR BUTTON FOR BUILDING A WINDOW. LIKE AUTOCAD THE BUTTONS ARE THERE TO MAKE IT QUICKER TO PERFORM EVERYDAY TASKS.



WE ARE NOW GOING TO CHANGE THE DESIGN AND DIMENSIONS OF THIS FRAME, IN MOST CASES THE SECOND BUTTON SHOWN IN THE DESIGN SCREEN WILL PERFORM A TASK TO CHANGE THE DESIGN OR THE DIMENSIONS.

(IF YOU WANT TO EXPLORE WHAT THESE BUTTONS DO YOU CAN USE YOUR MOUSE TO HOVER OVER THE BUTTON AND IT SHOULD TELL YOU WHAT COMMAND THE BUTTON PERFORMS).
CLICK ONTO THE FRAME BUILD BUTTON.



THIS WILL BRING UP THE REBUILD BUTTON, WE WILL BE CHANGING THE SIZES LATER ON.

THIS SCREEN (WHICH IS ONE OF THE COMMON SCREENS) HANDLES THE MOST PART OF THE FRAMING PART OF OUR DESIGN (EXCLUDING ADDING VENTS ETC).

WE CAN CHANGE THE WIDTH, HEIGHT LIGHTCODE OR COLUMNS AND ROWS, THE DESCRIPTION AND QUANTITY OF THE FRAME, EXTRUSION FINISH, AND SECTIONS TO BE USED.

THE DEFAULT SECTIONS FOR THE HEAD, TRANSOMS ETC ARE BASED ON OUR TECHNICAL MANUAL, IN MOST CASES YOU MAY NEED TO CHECK THE WINDLOADING FOR THE FRAMES TO INDICATE WHAT MULLIONS OR TRANSOMS TO USE, BUT AS STANDARD THESE WILL BE THE SECTIONS TO USE (SUBJECT TO WINDLOADINGS). **DO NOT CLICK OK**

Comar 5Pi Eco 53.5mm - CS 834 Short Leg - Internally Beaded

Frame Width 500	Bead Profile (Sets with Default) Square	Head Extension None	Extension
Frame Height 1000	Single or Dual Colour ? Single Colour	Outer Profile CS 834 37mm Equal Leg	
Lightcode 1	Outside Finish [COL:COMAR:WHITE (WHITE)]	Mullion Profile CS 835 - IXX - 13 lxx Req - 0	Head
Columns 1	Rows 1	Transom Profile CS 835 - IYY - 3.7 lyy Req - 1.04	Transom
Frame Quantity 1	Glass [FIL:COMAR:6-16-6 FL]	Sub Cill Type None	
Frame Description Screen 4	Frame Cleat Monticelli	Sub Cill Nosing CS 588 - 52mm Nosing	
Item Comments	No. of Cruciform Cleats 0	Left Jamb 	Mullion
	Fixing Strap No Fixing Straps	Right Jamb 	Cill

Create Cancel

YOU WILL SEE THAT THE BELOW SCREEN HAS ALREADY SELECTED THE PROFILES THAT ARE THE STANDARD DEFAULT FOR THIS SYSTEM. (SHOWN ON THE RIGHT HAND SIDE), THE SOFTWARE WILL NOT WINDLOAD THESE SECTIONS SO PLEASE BE AWARE THAT ALTHOUGH THEY ARE DEFAULT THEY DO NOT LOOK AT THE SIZE OF THE FRAME.

THE ONLY THINGS THAT WE NEED TO CHANGE ON THIS SCREEN ARE

- 1) THE FRAME WIDTH
- 2) THE FRAME HEIGHT
- 3) THE LIGHTCODE (AS EXPLAINED EARLIER, THIS IS JUST ANOTHER WAY TO SPECIFY COLUMNS & ROWS BUT YOU COULD USE THE COLUMNS AND ROW FIELDS IF YOU LIKE.
- 4) THE DESCRIPTION OF FRAME OR A FRAME CODE. I.E "ED1", IF YOU DO NOT HAVE AN ITEM NUMBER IT IS A GOOD IDEA TO USE FRAME 1, FRAME 2 ETC TO AVOID CONFUSION.
- 5) YOU WILL SEE THAT IT HAS ALSO BOUGHT THROUGH THE FRAME DEFAULTS FOR THE FINISH AND THE GLASS AS CHOSEN EALIER ON.

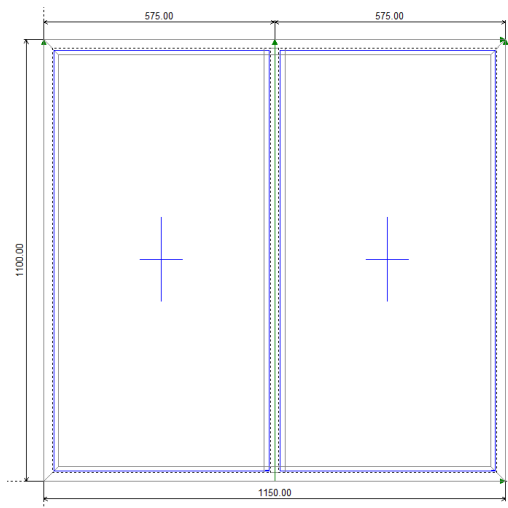
WHEN YOU HAVE CHANGED THE HIGHLIGHTED ITEMS PLEASE CLICK CREATE.

Comar 5Pi Eco 53.5mm - CS 834 Long Leg - Internally Beaded

Frame Width 1150	Bead Profile (Sets with Default) Square	Head Extension None	Extention
Frame Height 1100	Single or Dual Colour ? Single Colour	Outer Profile CS 834 37mm Equal Leg	
Lightcode 11	Outside Finish [COL:COMAR:WHITE (WHITE)]	Mullion Profile CS 835 - IXX - 13	Head
Columns 2		Transom Profile CS 835 - IYY - 3.7	Transom
Rows 1		Sub Cill Type None	
Frame Quantity 1	Glass [FIL:COMAR:6-16-6 FL]	Sub Cill Nosing CS 588 - 52mm Nosing	Cill
Frame Description Window 2	Frame Cleat Monticelli	Left Jamb	
Item Comments	No. of Cruciform Cleats 0	Mullion	
	Fixing Strap No Fixing Straps	Right Jamb	

Create Cancel

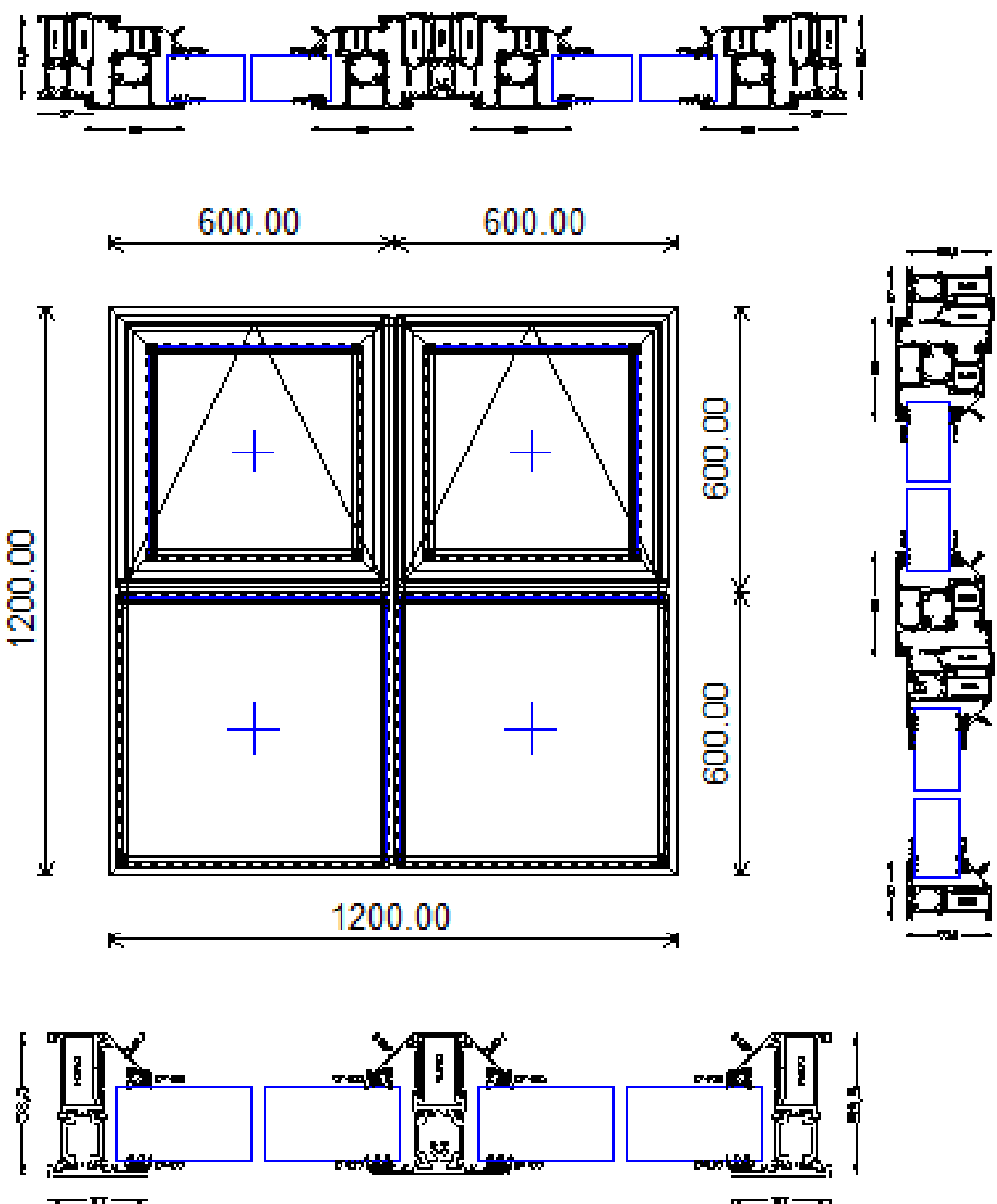

THE SCREEN HAS NOW BEEN REDESIGNED, ON THIS FRAME WE ARE NOT ADDING ANY SASHES SO WE ARE COMPLETE.



THIS FRAME IS NOW COMPLETE, ITS ALWAYS BEST TO USE THE QUICKSAVE BUTTON AFTER ADDING A FEW ITEMS AS THIS WILL TO SAVE WHERE YOU ARE. CLICK ONTO THE BUTTON AS SHOWN.



In a moment we will be designing the following, the 3rd frame will look like this

Viewed from outside . if in doubt ask		SCALE: DO NOT SCALE
		
	<p>Client: DEFAULT</p> <p>Description: Item Description</p> <p>Quantity: Quantity</p> <p>Quote No:</p> <p>Quote Title:</p>	<p><u>DRAWING TITLE</u></p> <hr/> <p>Date: 21/07/2014</p> <p>Drawn By:</p> <p>Drawing No:</p>

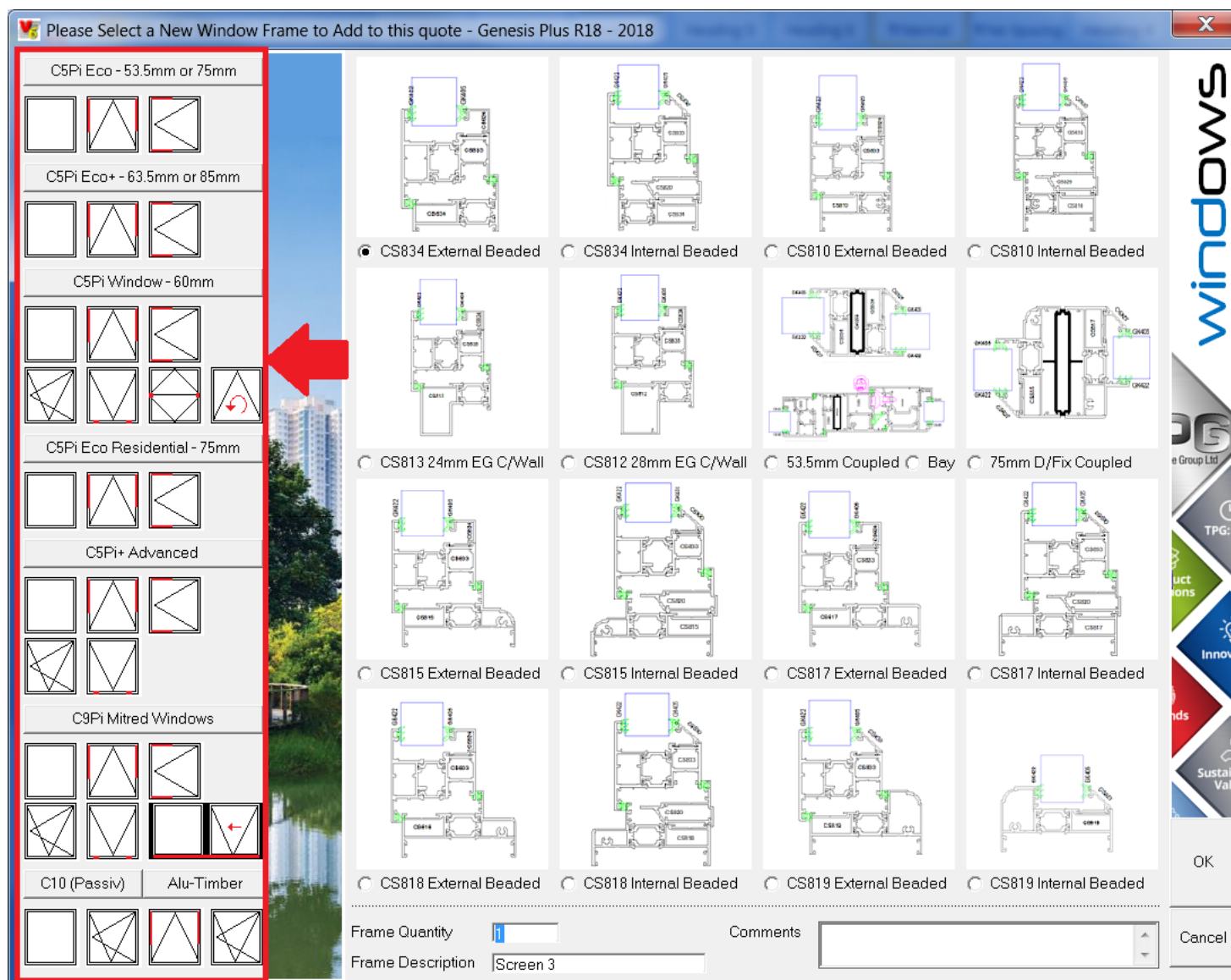
ADDING A THIRD ECO FRAME TO THE QUOTE

WE NOW WANT TO ADD ANOTHER FRAME TO THE QUOTE. CLICK ONTO THE “ADD A FRAME” BUTTON

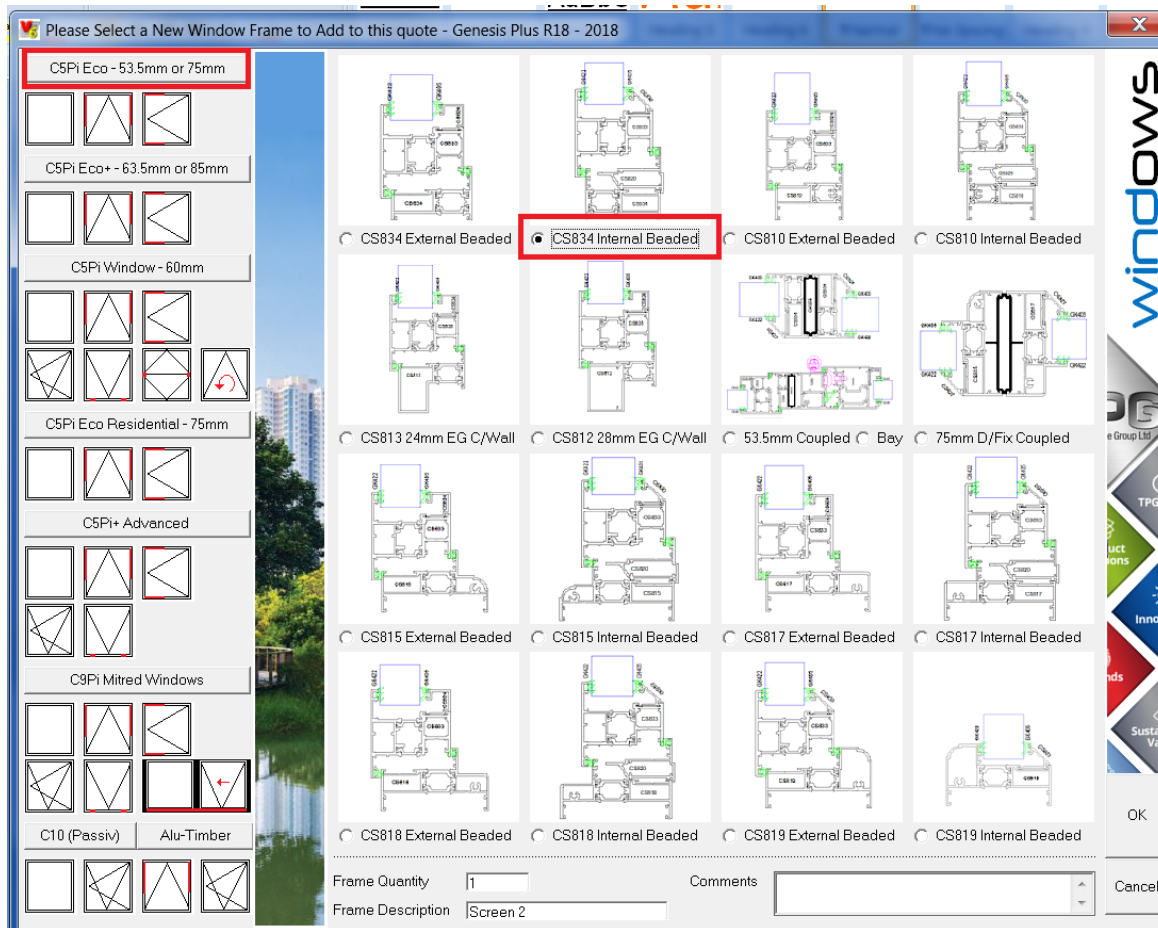


THE FOLLOWING SCREEN WILL APPEAR. THIS SHOWS YOU THE ENTIRE STANDARD FRAMING SYSTEMS THAT WE HAVE. YOU WILL SEE THAT THERE ARE TABS ALONG THE TOP WHICH FILTER DOWN THE DIFFERENT TYPES OF SYSTEMS WHEN YOU CLICK ONTO THEM.

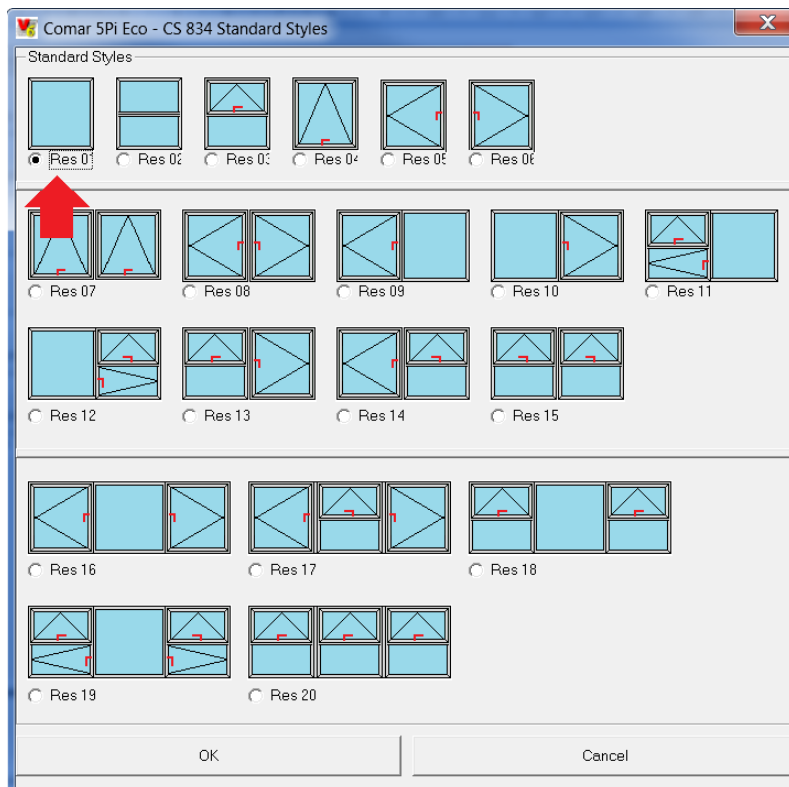
PLEASE DO NOT CLICK OK YET



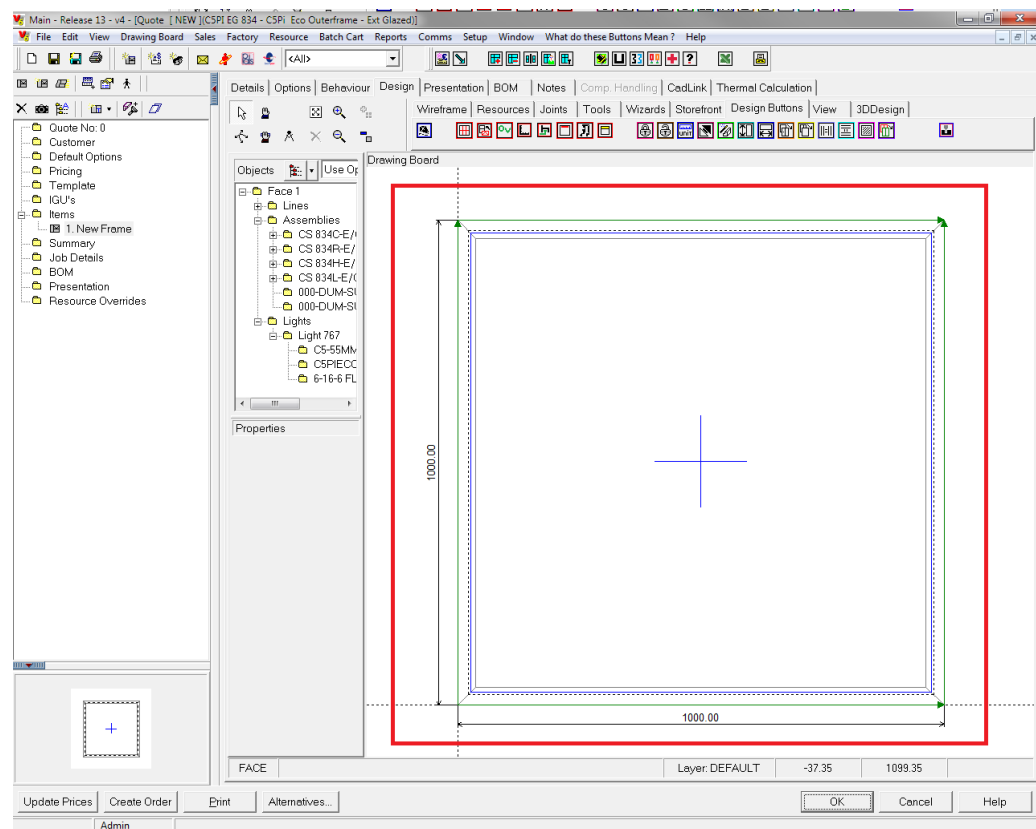
FOR THE FIRST SCREEN WE WANT A SINGLE TOP HUNG SO AS THERE ARE NO FIXED LIGHTS WE WILL START OFF EXTERNALLY BEADED (OTHERWISE WE WILL END UP WITH A TRANSFER PROFILE WHERE THIS IS NOT REQUIRED). GO TO THE “C5PI ECO WINDOW – 53.5MM” TAB ON THE LEFT HAND SIDE, NOW HIGHLIGHT THE “CS834 EXTERNAL BEADED BUTTON” AND THEN CLICK “OK”.



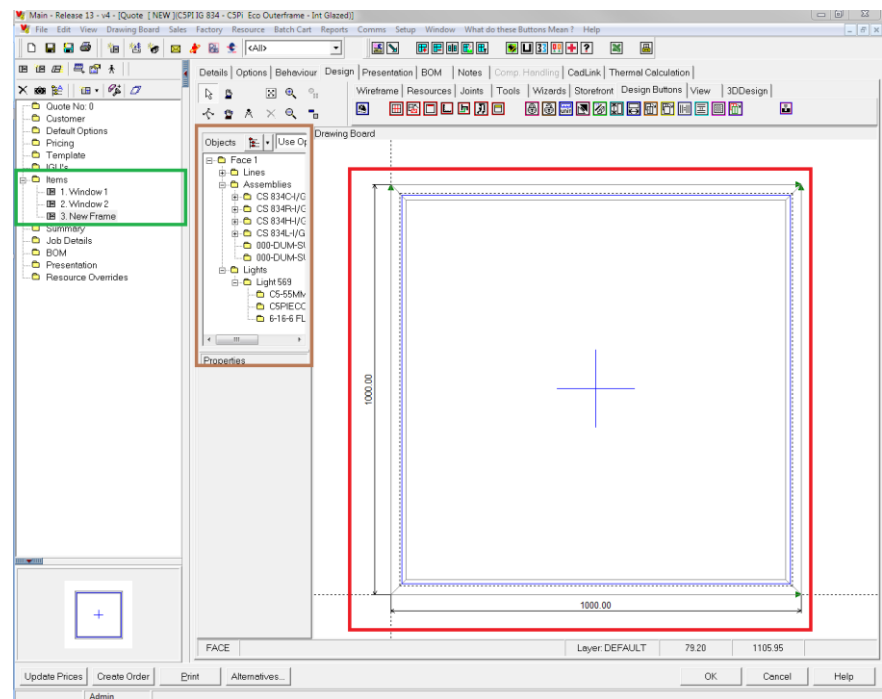
WE WANT TO BUILD THE WINDOW FROM SCRATCH IN THIS CASE SO PLEASE CHOOSE THE FIRST OPTION AND THEN CLICK “OK”



WHEN A FRAME IS ADDED INTO GENESIS IT WILL ALWAYS ADD A SQUARE FRAME WITH DEFAULTS BASED ON THE OPTION CHOSEN. WE DO NOT USE STANDARD STYLES ON WINDOWS SO WE WILL ALWAYS BE BUILDING THE FRAME AND THEN ADDING IN VENTS WHERE REQUIRED



NOW THAT YOU HAVE ADDED A THIRD FRAME TO THE QUOTE YOU WILL SEE THAT YOU NOW HAVE THREE ITEM LISTED IN THE LEFT HAND SIDE SCREEN,(THIS WILL LIST ANY FRAMES THAT YOU HAVE ADDED TO YOUR QUOTE) THE RIGHT HAND SIDE OF THE SCREEN IS THE DESIGN SCREEN AND YOU CAN SEE THAT IT HAS ADDED A FRAME 1000MM X 1000MM. IN A MOMENT WE WILL CHANGE THE DESIGN. YOU WILL NOT HAVE THE COLOURED BOXES AS SHOWN BELOW THEY WILL BE USED TO HIGHLIGHT SOME AREAS IN ONE MOMENT



BEFORE WE CHANGE THE DESIGN OF THIS SCREEN, LETS TAKE A BIT OF TIME GETTING USED TO THE NEW MENUS THAT YOU CAN ACCESS NOW WE HAVE ADDED A FRAME.

DESIGN

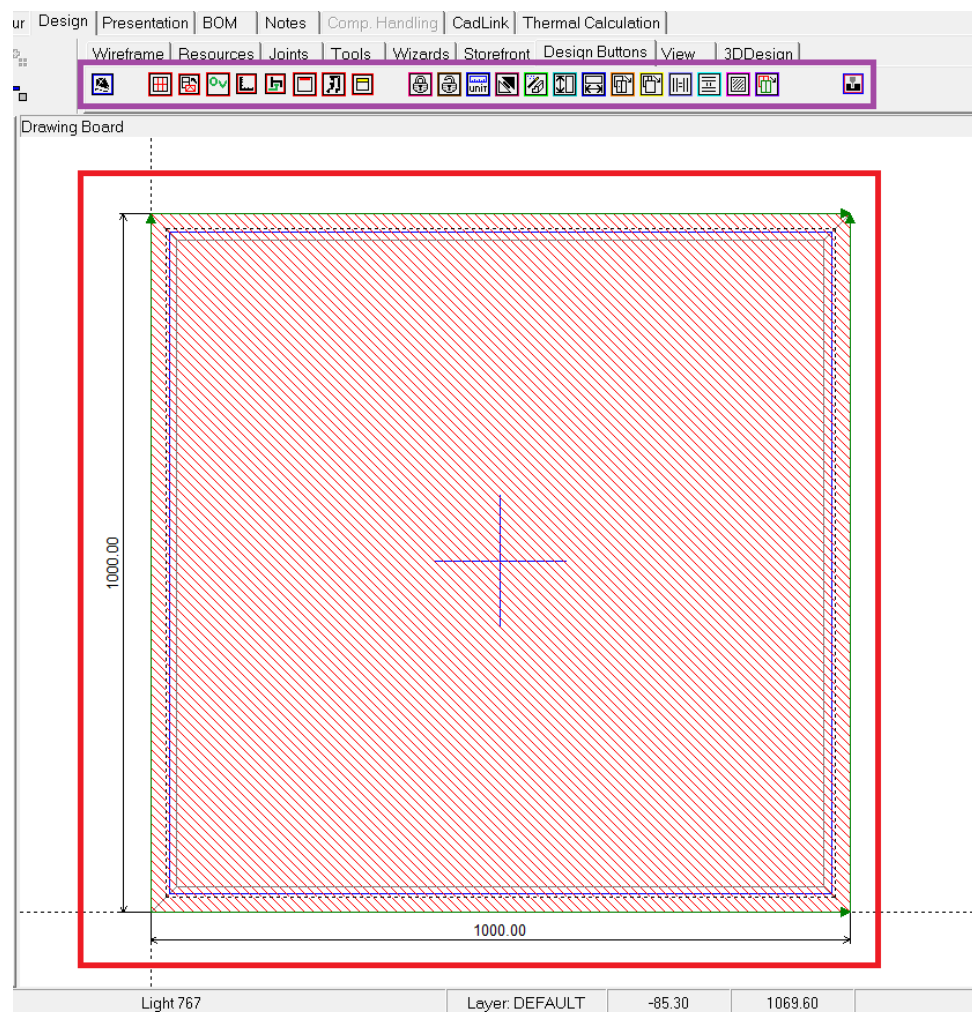
THE DESIGN SCREEN DRAWING BOARD WILL SHOW YOU WHAT THE FRAME LOOKS LIKE, ALL CHANGES TO THE FRAME INCLUDING ADDING TRANSOMS, CHANGING SIZES ETC AND ADDING WINDOWS OR DOORS ARE DONE HERE. THE FRAMES SHOWN ARE BEING BUILT IN FULL SIZED EXTRUSIONS SO THE SCALE IS A TRU REPRESENTATION OF THE FINISHED PRODUCT.

WHEN YOU HIGHLIGHT A FRAME IN THE ITEMS TAB (AS SHOWN IN THE LEFT HAND SIDE ABOVE IN GREEN) THE **DESIGN SCREEN/DRAWING BOARD** SHOWS YOU THE DESIGN FOR THAT ITEM, YOU CAN CLICK BETWEEN THE FRAMES (ITEMS) IF YOU HAVE MORE THAN ONE IN A QUOTE AND IF YOU ARE IN THE **DESIGN SCREEN** THE FRAME SHOWN WILL SWITCH TO SHOW YOU THE ONE THAT YOU HAVE HIGHLIGHTED.

THE ORANGE RECTANGLE INDICATES THE **OBJECTS BOX**, THIS LISTS ALL THE ASSEMBLIES YOU HAVE USED AS WELL AS GLASS AND DOORS.

CHANGING THE DESIGN

WE ARE NOW GOING TO CHANGE THE DESIGN OF THE FRAME SO WE NOW MOVE DOWN TO THE DRAWING BOARD (WHILST IN DESIGN) AND THERE ARE MACRO DESIGN BUTTONS WHICH ARE RELEVANT TO THE FRAME THAT WE ARE VIEWING AT THAT TIME. THERE ARE QUITE A FEW BUTTONS HERE (AND THEY ARE SMALL) BUT GENERALLY THE FIRST SET OF BUTTONS ARE TO CHANGE THE DESIGN OF THE FRAME, ADDING DOORS AND ADDING WINDOWS. THE SECOND SET OF BUTTONS ARE SIMPLE COMMANDS LIKE CHANGING SECTIONS, SPLITTING LIGHTS (ADDING MULLIONS OR TRANSOMS), MERGING LIGHTS (DELETING MULLIONS OR TRANSOMS), CHANGING HEIGHTS OR TRANSOMS AND WIDTHS OF MULLIONS AND CHANGING GLASS. YOU WILL NOTICE THAT THE AMOUNT OF BUTTONS THAT YOU SEE WHEN DESIGNING DIFFERENT SYSTEMS WILL CHANGE DEPENDING ON WHAT FRAME YOU ARE DESIGNING. I.E YOU WOULN'T HAVE A DOOR BUTTON FOR BUILDING A WINDOW. LIKE AUTOCAD THE BUTTONS ARE THERE TO MAKE IT QUICKER TO PERFORM EVERYDAY TASKS.



WE ARE NOW GOING TO CHANGE THE DESIGN AND DIMENSIONS OF THIS FRAME, IN MOST CASES THE SECOND BUTTON SHOWN IN THE DESIGN SCREEN WILL PERFORM A TASK TO CHANGE THE DESIGN OR THE DIMENSIONS.

(IF YOU WANT TO EXPLORE WHAT THESE BUTTONS DO YOU CAN USE YOUR MOUSE TO HOVER OVER THE BUTTON AND IT SHOULD TELL YOU WHAT COMMAND THE BUTTON PERFORMS).

CLICK ONTO THE FRAME BUILD BUTTON.



THIS WILL BRING UP THE REBUILD BUTTON, WE WILL BE CHANGING THE SIZES LATER ON.

THIS SCREEN (WHICH IS ONE OF THE COMMON SCREENS) HANDLES THE MOST PART OF THE FRAMING PART OF OUR DESIGN (EXCLUDING ADDING VENTS ETC).

WE CAN CHANGE THE WIDTH, HEIGHT LIGHTCODE OR COLUMNS AND ROWS, THE DESCRIPTION AND QUANTITY OF THE FRAME, EXTRUSION FINISH, AND SECTIONS TO BE USED.

THE DEFAULT SECTIONS FOR THE HEAD, TRANSOMS ETC ARE BASED ON OUR TECHNICAL MANUAL, IN MOST CASES YOU MAY NEED TO CHECK THE WINDLOADING FOR THE FRAMES TO INDICATE WHAT MULLIONS OR TRANSOMS TO USE, BUT AS STANDARD THESE WILL BE THE SECTIONS TO USE (SUBJECT TO WINDLOADINGS). **DO NOT CLICK OK**

Comar 5Pi Eco 53.5mm - CS 834 Short Leg - Internally Beaded

Frame Width 500	Bead Profile (Sets with Default) Square	Head Extension None	Extension
Frame Height 1000	Single or Dual Colour ? Single Colour	Outer Profile CS 834 37mm Equal Leg	
Lightcode 1	Outside Finish [COL:COMAR:WHITE (WHITE)]	Mullion Profile CS 835 - IXX - 13 lxx Req - 0	Head
Columns 1	Rows 1	Transom Profile CS 835 - IYY - 3.7 lyy Req - 1.04	Transom
Frame Quantity 1	Glass [FIL:COMAR:6-16-6 FL]	Sub Cill Type None	
Frame Description Screen 4	Frame Cleat Monticelli	Sub Cill Nosing CS 588 - 52mm Nosing	
Item Comments	No. of Cruciform Cleats 0	Left Jamb 	Mullion
	Fixing Strap No Fixing Straps	Right Jamb 	Cill

Create Cancel

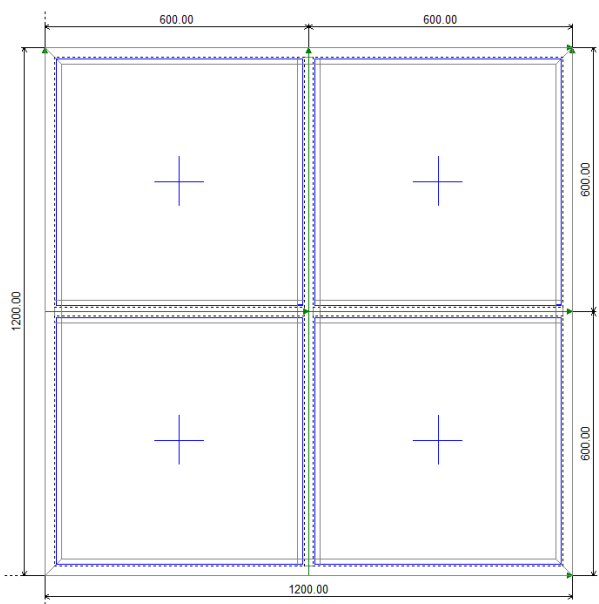
YOU WILL SEE THAT THE BELOW SCREEN HAS ALREADY SELECTED THE PROFILES THAT ARE THE STANDARD DEFAULT FOR THIS SYSTEM. (SHOWN ON THE RIGHT HAND SIDE), THE SOFTWARE WILL NOT WINDLOAD THESE SECTIONS SO PLEASE BE AWARE THAT ALTHOUGH THEY ARE DEFAULT THEY DO NOT LOOK AT THE SIZE OF THE FRAME.

THE ONLY THINGS THAT WE NEED TO CHANGE ON THIS SCREEN ARE

- 1) THE FRAME WIDTH
- 2) THE FRAME HEIGHT
- 3) THE LIGHTCODE (AS EXPLAINED EARLIER, THIS IS JUST ANOTHER WAY TO SPECIFY COLUMNS & ROWS BUT YOU COULD USE THE COLUMNS AND ROW FIELDS IF YOU LIKE.
- 4) THE DESCRIPTION OF FRAME OR A FRAME CODE. I.E “ED1”, IF YOU DO NOT HAVE AN ITEM NUMBER IT IS A GOOD IDEA TO USE FRAME 1, FRAME 2 ETC TO AVOID CONFUSION.
- 5) YOU WILL SEE THAT IT HAS ALSO BOUGHT THROUGH THE FRAME DEFAULTS FOR THE FINISH AND THE GLASS AS CHOSEN EALIER ON.

WHEN YOU HAVE CHANGED THE HIGHLIGHTED ITEMS PLEASE CLICK CREATE.

THE SCREEN HAS NOW BEEN REDESIGNED



Technical drawing of a square plate with the following specifications:

- Overall Dimensions:** 1200.00 (width) x 1200.00 (height).
- Internal Divisions:** The plate is divided into four quadrants by a horizontal and a vertical centerline, each 600.00 units from the edges.
- Top Half (600.00 x 1200.00):**
 - Shaded with red diagonal hatching.
 - Contains a blue crosshair (+) in the center of each of the two 600.00 x 600.00 quadrants.
- Bottom Half (600.00 x 1200.00):**
 - Unshaded (white).
 - Contains a blue crosshair (+) in the center of each of the two 600.00 x 600.00 quadrants.
- Boundary Lines:**
 - Outer boundary: Solid black line.
 - Inner boundary: Dashed black line.
 - Centerlines: Solid blue lines.

THE BELOW BOX WILL NOW APPEAR AND AS WITH MOST OTHER SCREENS IN GENESIS THE DEFAULT THAT COMES UP WILL NORMALLY BE THE STANDARD OPTION. IF YOU CLICK OK AT THIS POINT A VENT WILL BE ADDED WITH AN INTERNALLY BEADED SASH, A SLOPED BEAD, AND WITH FRICTION HINGES WITH SHOOTBOLT LOCKING. THERE IS ALOT OF INFORMATION AND OPTIONS CONTAINED IN THIS ONE SCREEN AND UNLIKE MOST OTHER ESTIMATING SOFTWARE PACKAGES IT DOES NOT GO THROUGH EACH STAGE IT IS JUST IN ONE BUTTON

SO PLEASE TAKE A MINUTE TO LOOK AT THE OPTIONS ON THE SCREEN TO SEE WHAT CAN BE CHANGED HERE. **THE ARROW NEXT TO THE OPTION (AS INDICATED BELOW) SHOWS THE OPTION THAT WE WILL BE CHANGING SOON BUT PLEASE USE THE COMPUTER MONITOR TO LOOK THROUGH THE OPTIONS.**

FOR THE NEXT SCREEN WE WILL BE ADDING SOME VENTS, THEY WILL BE PREPARED FOR TELEFLEX (COMAR DO NOT PROVIDE TELEFLEX OR AUTOMATED ACTUATED), BUT WE CAN INCLUDE FOR BUTT HINGES AND REMOVE THE HANDLES.

CLICK ONTO THE DROP DOWN ARROW NEXT TO THE HINGE TYPE

Comar 5/55mm Sash Insert - Internal Frame + Glazed in Trickle Vent

Sash Profile

CS 833/Transfer

Bead Type

Square Bead

Window Type

Top Hung

Side Hung Hanging

Left Hand Hung

No. of Dummy Transoms

None

No. of Dummy Mullions

None

Glazed-In Trickle Vent

Trickle Vent Type

None

Hinge Type (B/Hinges Req Extra Work)

Friction Stays

Handle Type

R/H Shootbolt

IMPORTANT: - SIDE HUNG - CHOOSE L/H HANDLE FOR RIGHT HUNG AND R/H HANDLE FOR LEFT HUNG

Handle Finish

Silver

Hinge Finish

Silver

IF USING BUTT HINGES THEN THE VENT PROFILE WILL REQUIRE EXTRA ROUTING TO WORK

End Cap Furniture

Op Set Black

OK

Cancel

Eco Maximum Vent Sizes

Top Projected

Width: 1200

Height: 1200

Weight: 50Kg

Side Projected

Width: 1000

Height: 1300

Weight: 40Kg

CHECK THAT BUTT HINGES WILL FIT WHEN ADDING SMALL OUTERFRAMES AND OR TRANSOMS,OR MULLIONS AND WHEN USING DOUBLE VENTS

USING YOUR MOUSE CHOOSE THE FRICTION STAY + RESTRICTOR

Hinge Type (B/Hinges Req Extra Work)

Friction Stays + Restrictor

Friction Stays

Friction Stays + Restrictor

Friction Stays + Inbuilt Restrictor

BUTT HINGES UNAVAILABLE

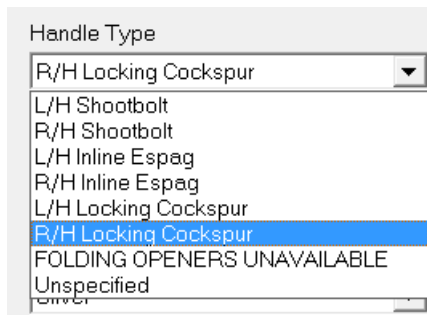
BUTT HINGES UNAVAILABLE

BUTT HINGES UNAVAILABLE

Unspecified

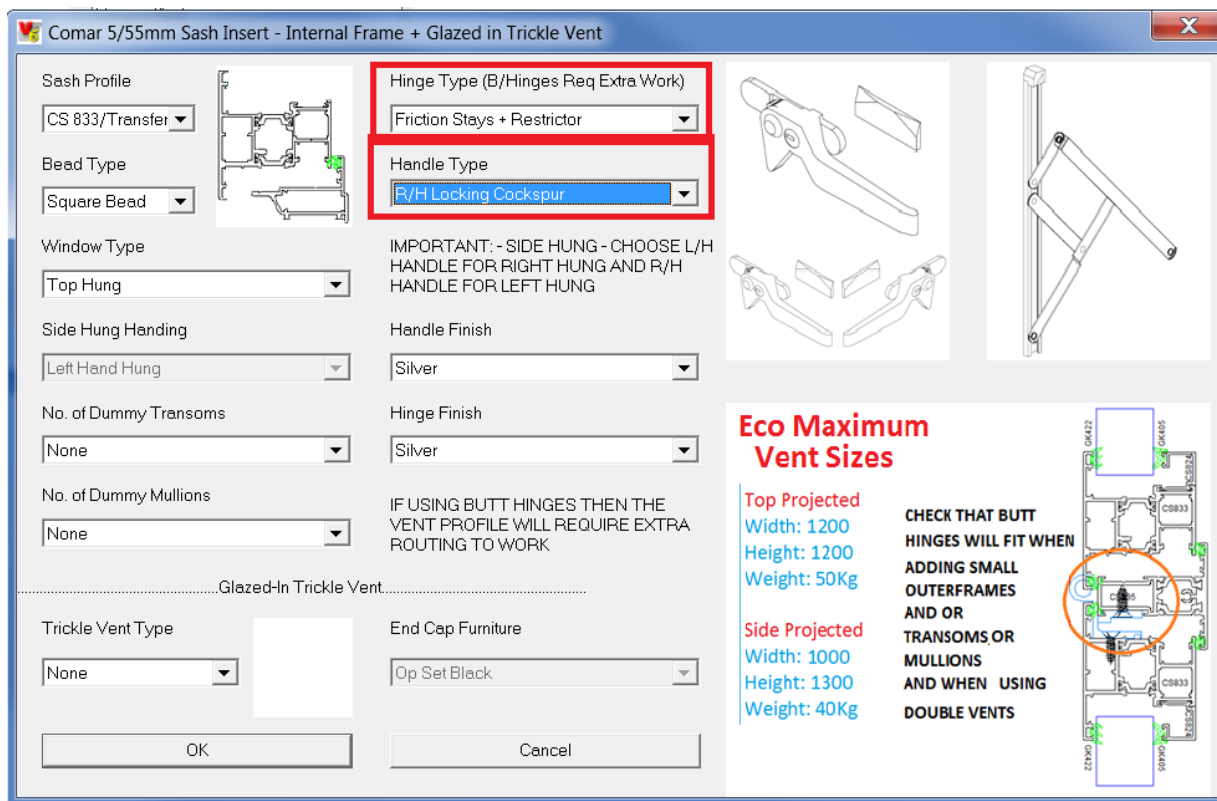
41 | Page

NOW ONCE YOU HAVE FINISHED THAT OPTION, USE YOUR MOUSE CHOOSE THE R/H LOCKING COCKSPUR HANDLE TYPE OPTION

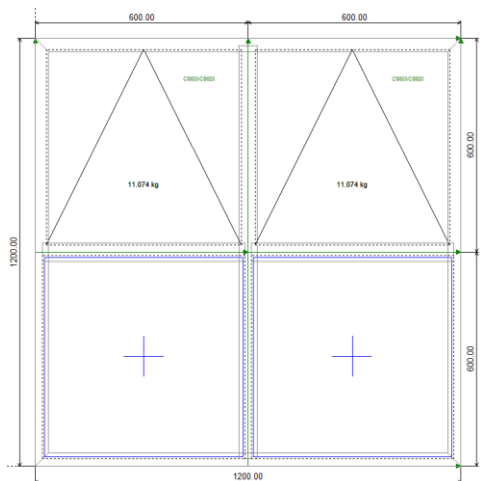


ONCE YOU CLICK ONTO THE OPTION IT WILL SHOW IN THE BOX NOW (AS SHOWN BELOW), IF YOU MAKE A MISTAKE THEN YOU CAN CLICK BACK ONTO THE DROP DOWN LIST.

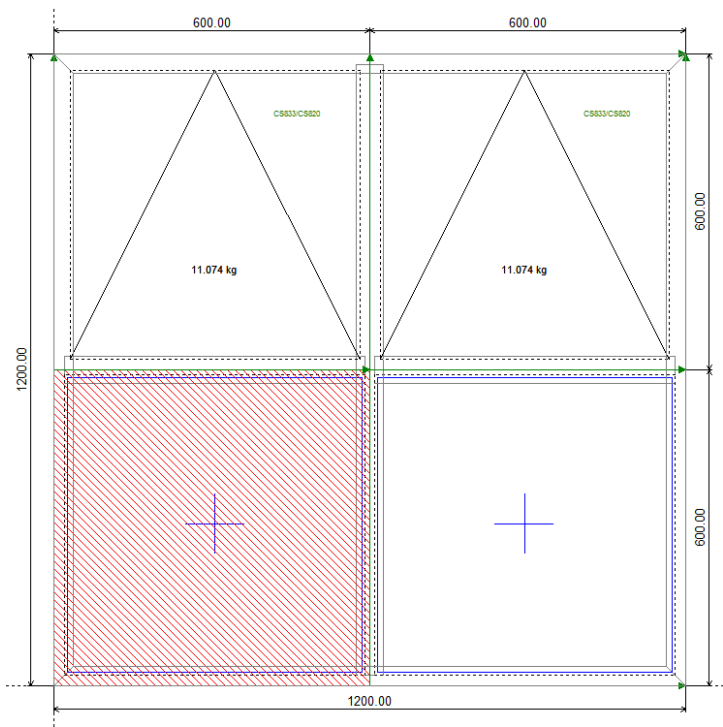
CLICK OK WHEN YOU HAVE FINISHED MAKING YOUR SELECTION.



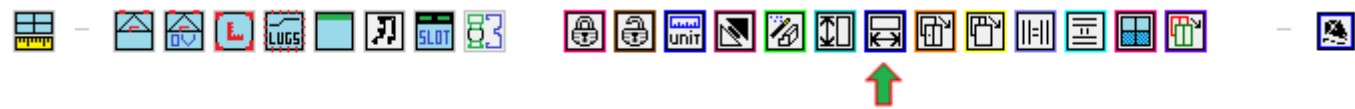
THIS WILL NOW SHOW YOU THE NEW DESIGN



TO START GETTING USED TO OTHER COMMANDS WE WILL MOVE SOME OF THE DIMENSIONS AROUND.HIGHLIGHT THE LIGHT AS SHOWN BELOW USING YOUR MOUSE TO HATCH THE LIGHT IN RED.



NOW CLICK ONTO THE WIDTH DIMENSION BUTTON. WE WILL BE OFFSETTING THE MULLION.



WHEN THE FOLLOWING BUTTON COMES UP TYPE IN 500

Horizontal Dimension Wizard

Dimension Name: Locked ☐

Dimension Distance: ...

Distance = 500.00 mm

Member to adjust: ☒ Left ☐ Right

Dimension Scheme:

Left reference object:

Right reference object:

Text Placement:

☐ Display

Place Dimension On: ☐ Bottom of face ☒ Top of face

Constrain Dimension: ☒ None ☐ Fixed

Minimum: Maximum:

☐ Specify

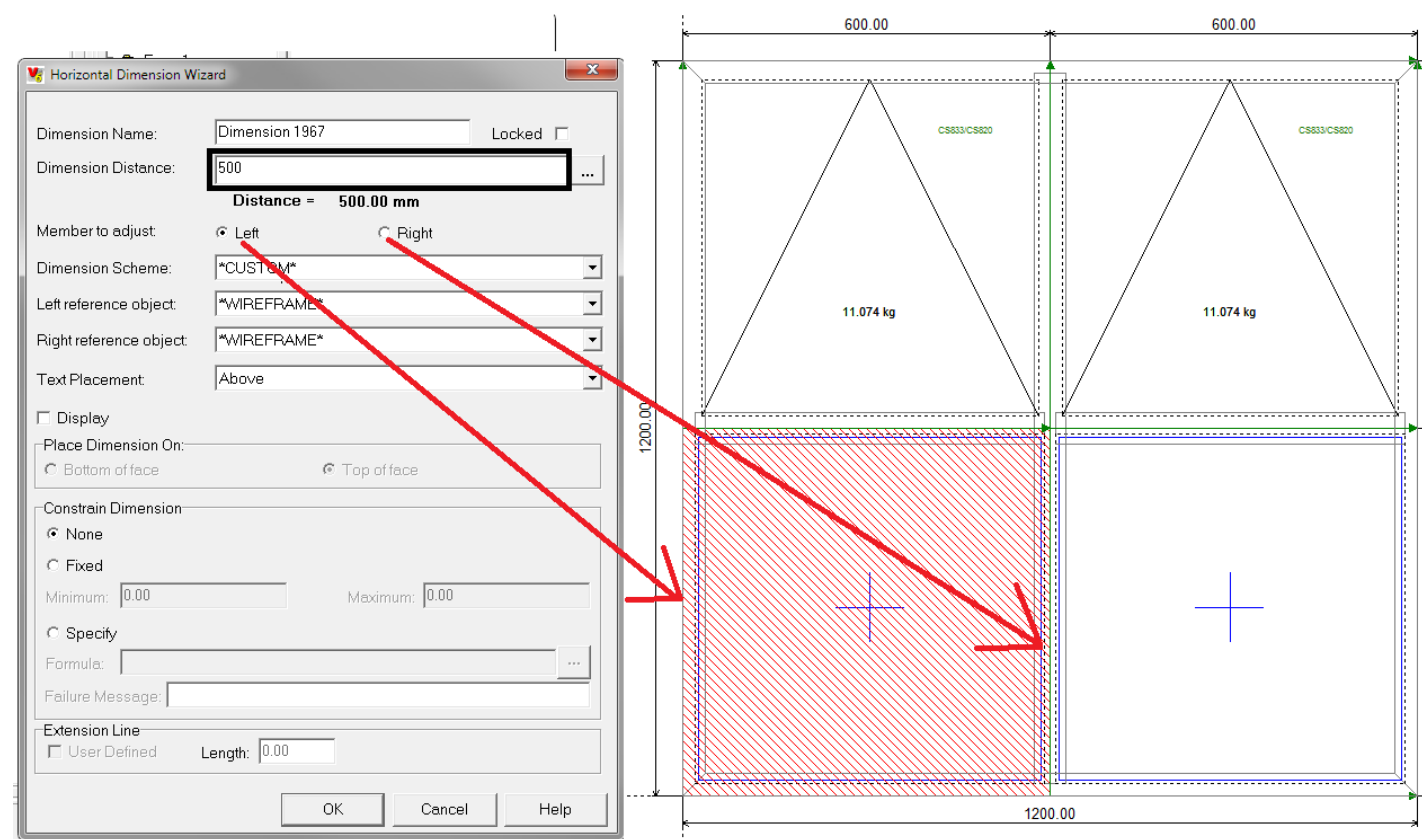
Formula: ...

Failure Message:

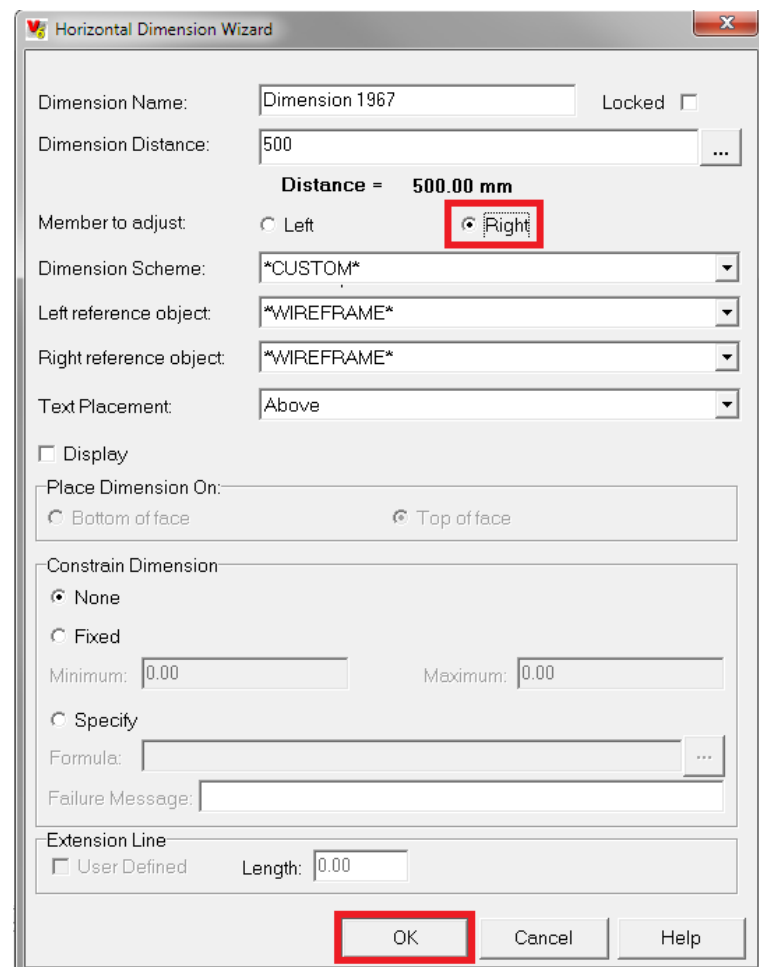
Extension Line ☐ User Defined Length:

OK Cancel Help

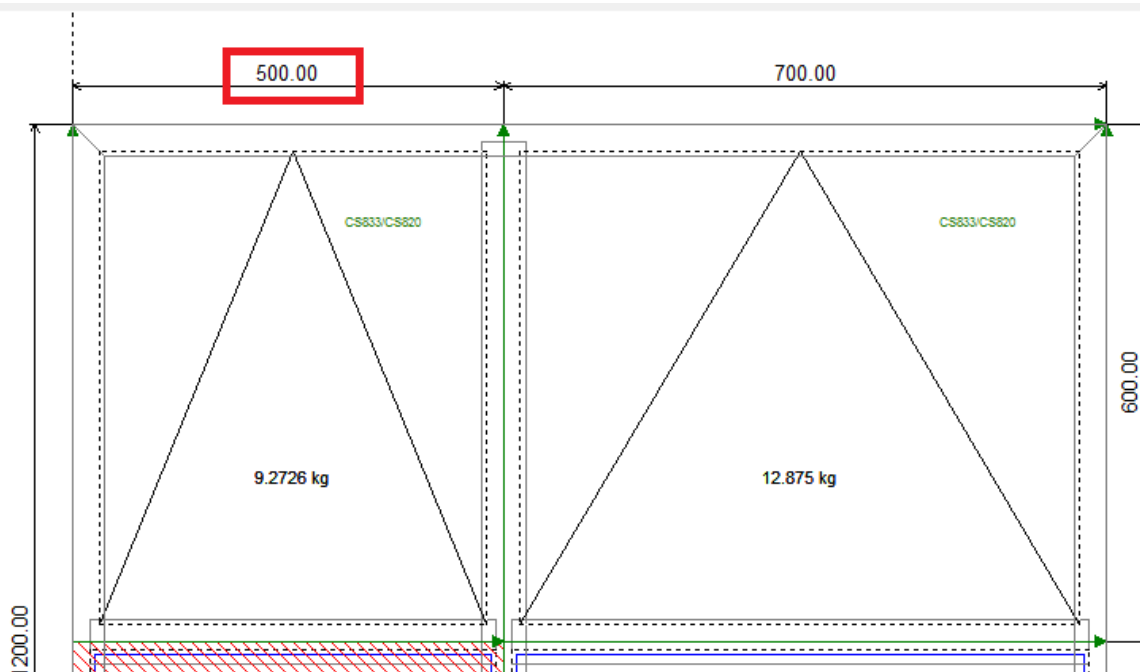
THE OTHER OPTION THAT WE NEED TO CHANGE IS WHAT BAR/MULLION WE WILL BE MOVING, THIS IS ALWAYS BASED ON THE LIGHT THAT YOU HAVE HIGHLIGHTED (AS SHOWN BELOW). THE LEFT IN THIS CASE WILL MOVE THE OTHER MULLION. **WE SHOULD NEVER CHOOSE THIS OPTION AS IT WILL CHANGE THE OVERALL SIZE OF THE FRAME**



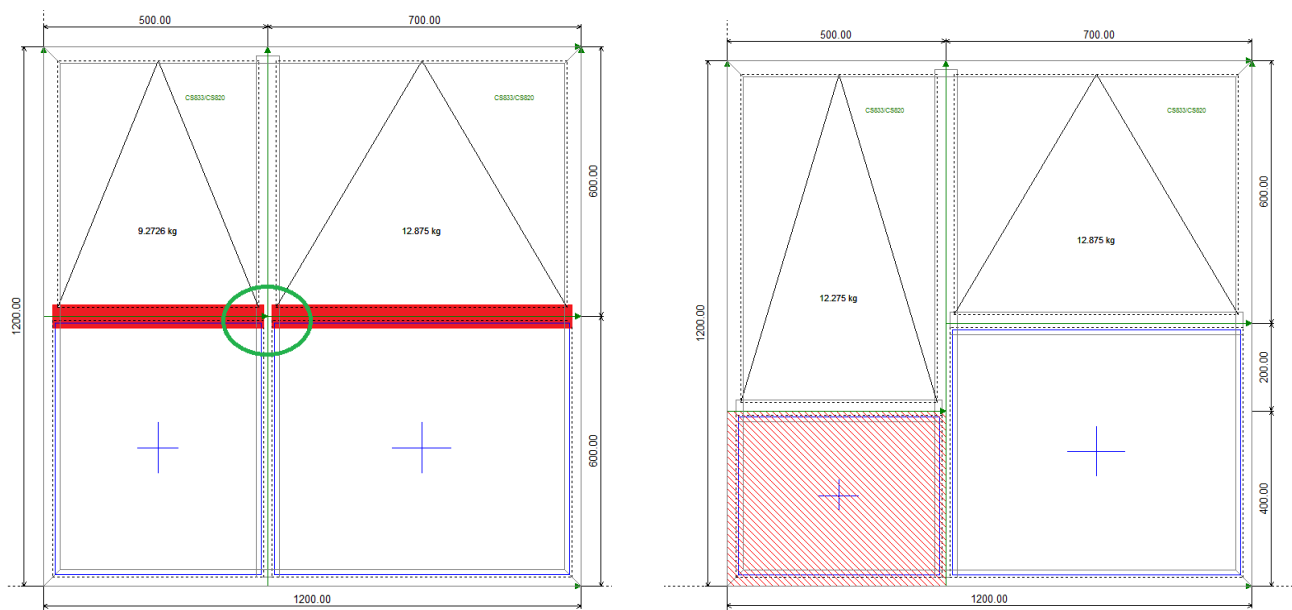
CLICK THE "RIGHT" BUTTON AND THEN CLICK "OK"



THE DIMENSION WILL NOW CHANGE



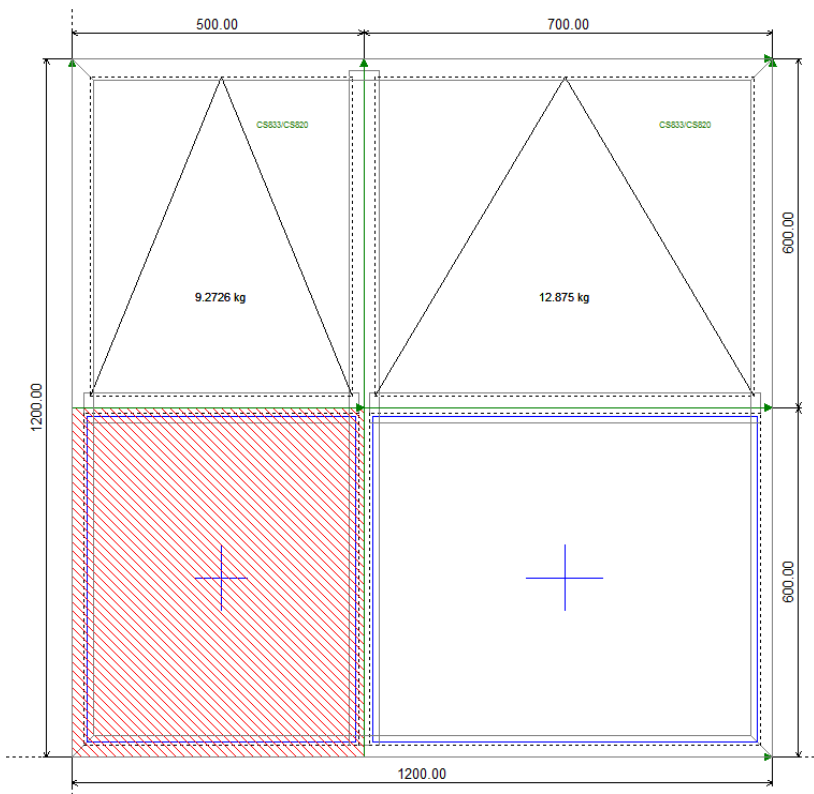
WE NOW WANT TO CHANGE THE HEIGHT OF THE FIXED LIGHT, YOU WILL SEE THAT THE TRANSOM IS SPLIT BETWEEN THE MULLIONS, THIS MEANS THAT IF WE CHANGE ONE OF THE FIXED LIGHTS THEN AS THEY ARE NOT ONE PROFILE THE OTHER ONE WILL NOT MOVE. (YOU WILL SEE THE SPLIT BELOW)



WE CAN LOCK THE POSITIONS OF THE TRANSOMS TOGETHER BY CLICKING ONTO THE FOLLOWING BUTTON. CLICK ONTO IT NOW.



NOW HIGHLIGHT ONE OF THE FIXED LIGHTS (AS SHOWN BELOW).



WHEN THE FOLLOWING BUTTON COMES UP TYPE IN 400

Vertical Dimension Wizard

Dimension Name: Locked ☐

Dimension Distance: ...

Distance = 400.00 mm

Member to adjust: ☒ Top ☐ Bottom

Dimension Scheme:

Top reference object:

Bottom reference object:

Text Placement:

☐ Display

Place Dimension On: ☐ Left of face ☒ Right of face

Constrain Dimension

☒ None

☐ Fixed

Minimum: Maximum:

☐ Specify

Formula: ...

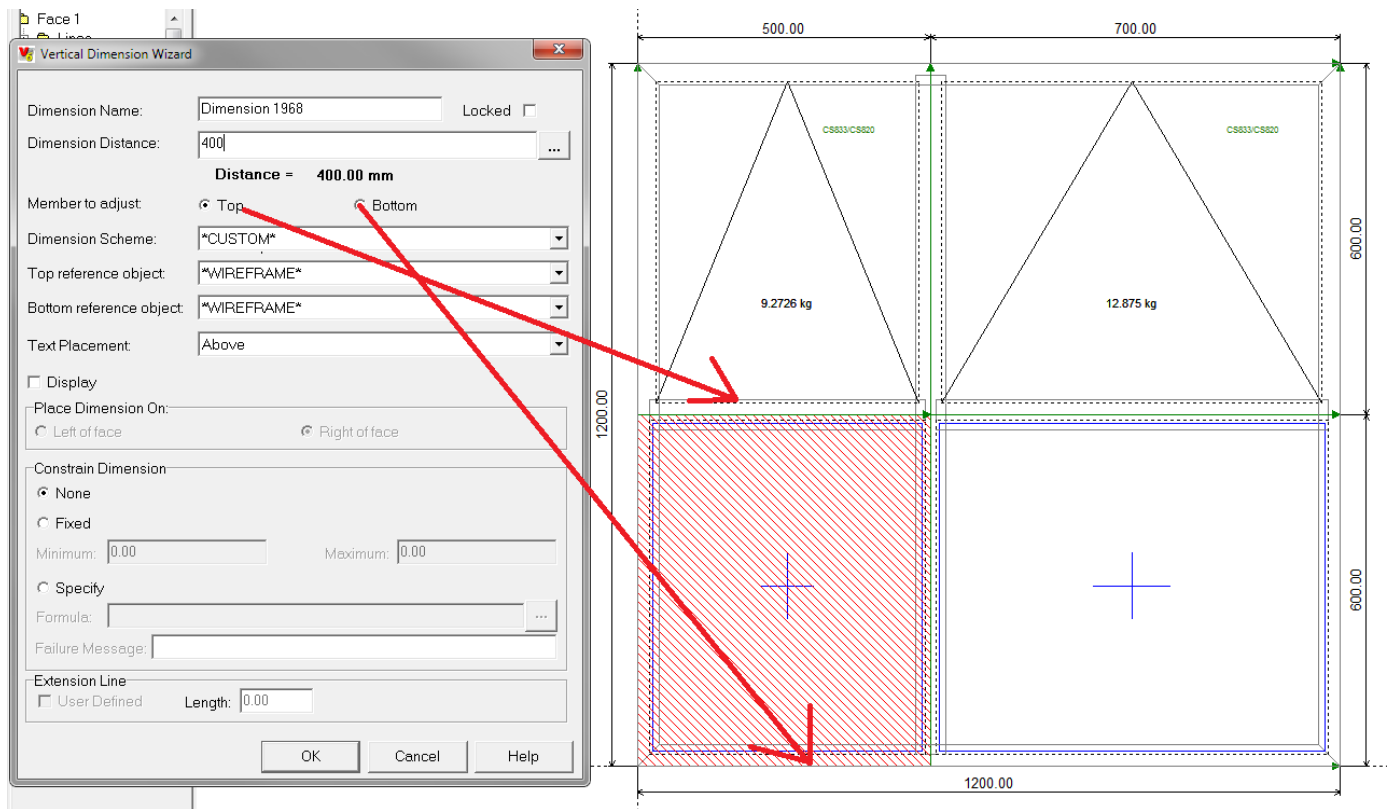
Failure Message:

Extension Line

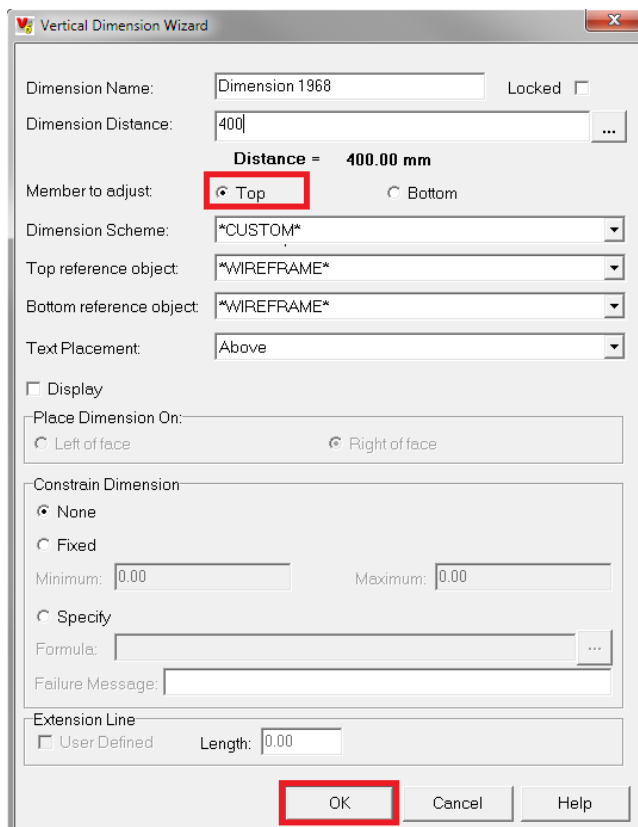
☐ User Defined Length:

OK Cancel Help

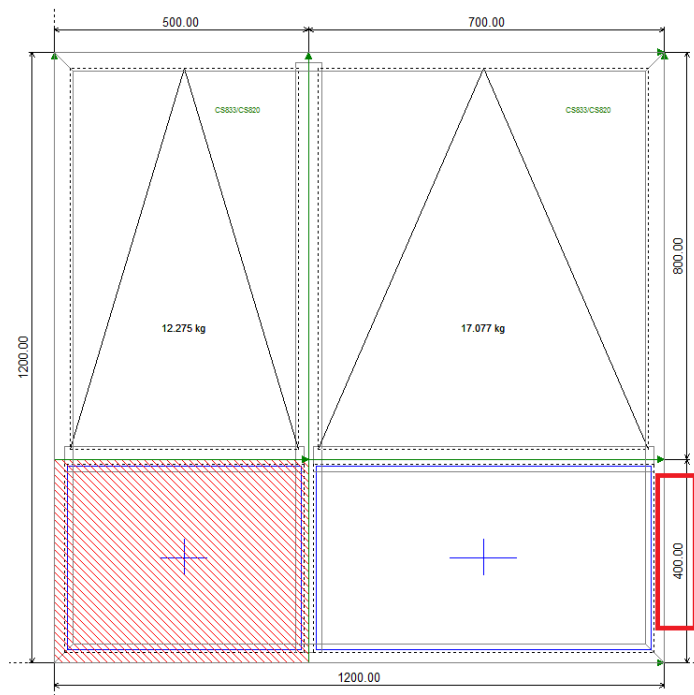
THE OTHER OPTION THAT WE NEED TO CHANGE IS WHAT BAR/MULLION WE WILL BE MOVING, THIS IS ALWAYS BASED ON THE LIGHT THAT YOU HAVE HIGHLIGHTED (AS SHOWN BELOW). THE LEFT IN THIS CASE WILL MOVE THE OTHER MULLION. **WE SHOULD NEVER CHOOSE THIS OPTION AS IT WILL CHANGE THE OVERALL SIZE OF THE FRAME**



CLICK THE “TOP” BUTTON AND THEN CLICK “OK”



THE DIMENSION WILL NOW CHANGE. THIS ITEM IS NOW COMPLETE.



THIS FRAME IS NOW COMPLETE. ITS ALWAYS BEST TO USE THE QUICKSAVE BUTTON AFTER ADDING A FEW ITEMS AS THIS WILL TO SAVE WHERE YOU ARE. CLICK ONTO THE BUTTON AS SHOWN.



In a moment we will be designing the following, the 4th frame will look like this

Viewed from outside . if in doubt ask		SCALE: DO NOT SCALE
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>800.00 800.00</p> <p>2100.00</p> <p>1600.00</p> </div> <div style="text-align: center;"> </div> </div> <div style="text-align: center; margin-top: 20px;"> </div>		
	<p>Client _____</p> <p>Description New Frame _____</p> <p>Quantity 1</p> <p>Quote No: _____</p> <p>Quote Title: _____</p>	<p><u>DRAWING TITLE</u></p> <hr/> <p>Date: 07/02/2014</p> <p>Drawn By: _____</p> <p>Drawing No: _____</p>

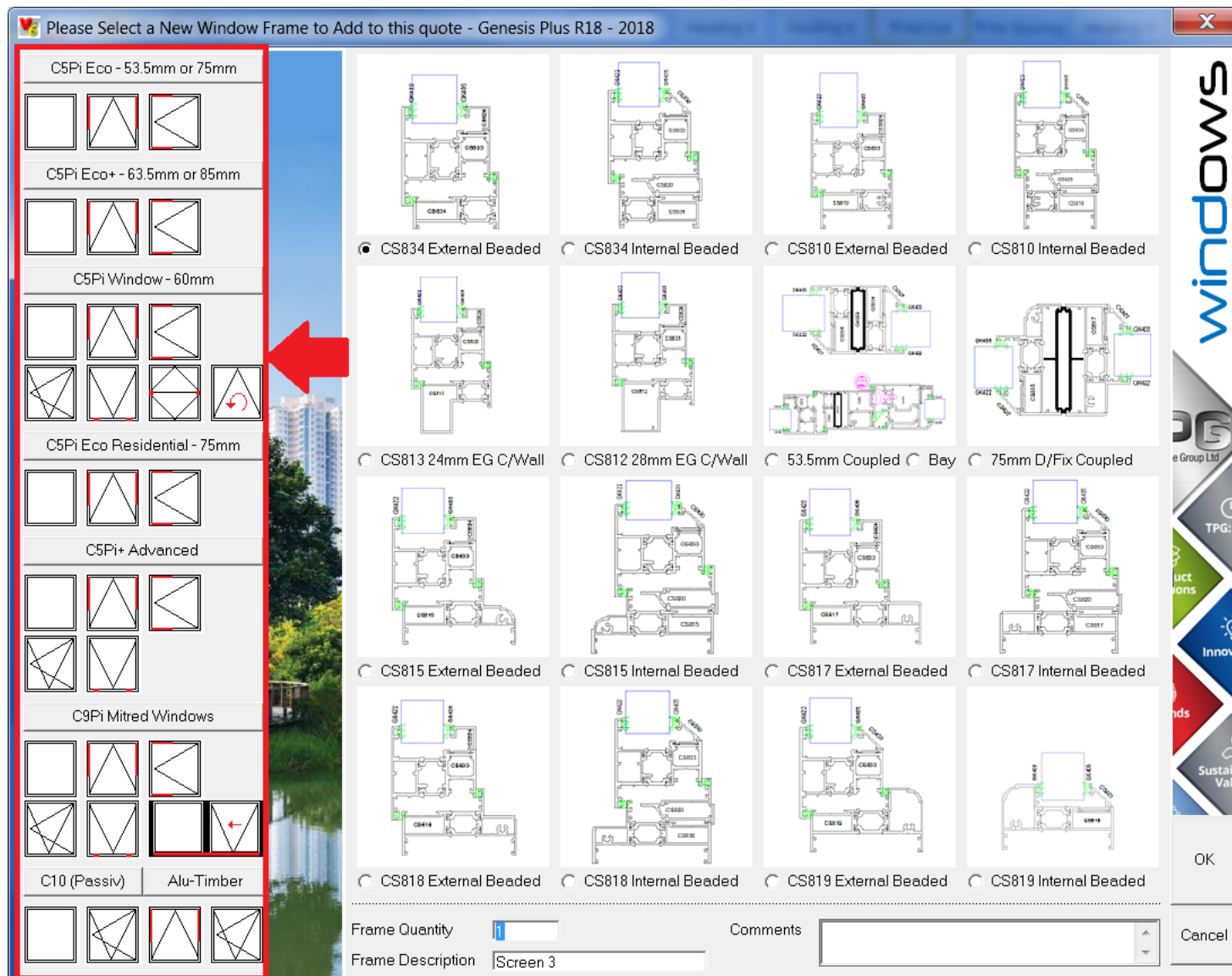
ADDING A FORTH ECO FRAME TO THE QUOTE (THIS WILL BE A COUPLED FRAME)

WE NOW WANT TO ADD ANOTHER FRAME TO THE QUOTE. CLICK ONTO THE “ADD A FRAME” BUTTON



THE FOLLOWING SCREEN WILL APPEAR. THIS SHOWS YOU THE ENTIRE STANDARD FRAMING SYSTEMS THAT WE HAVE. YOU WILL SEE THAT THERE ARE TABS ALONG THE TOP WHICH FILTER DOWN THE DIFFERENT TYPES OF SYSTEMS WHEN YOU CLICK ONTO THEM.

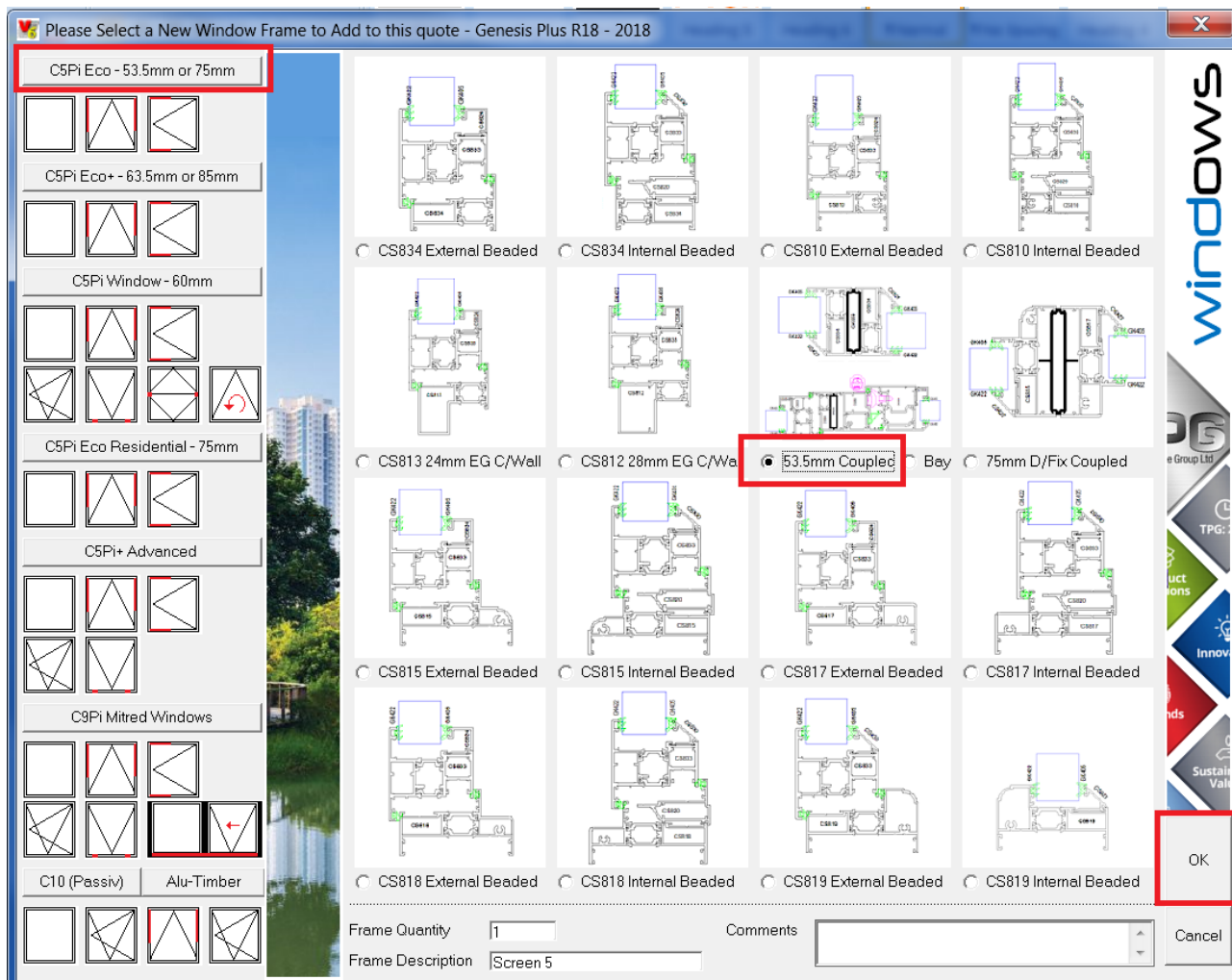
PLEASE DO NOT CLICK OK YET



FOR THE FORTH SCREEN WE WANT TO BUILD A FRAME WHICH IS COUPLED AGAINST ANOTHER FRAME,

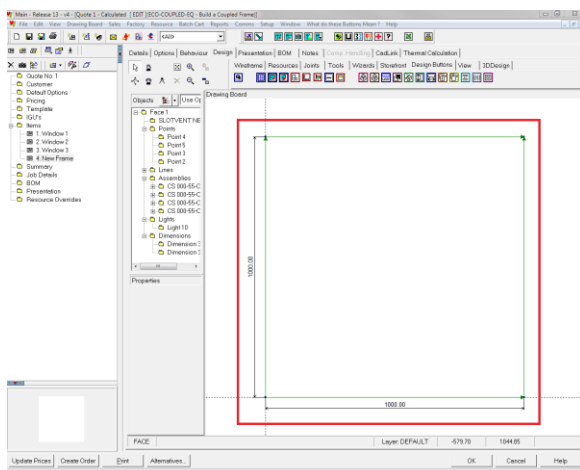
ON SOME FRAMES THEY MAY BE TOO BIG TO PRODUCE IN THE FACTORY IN ONE UNIT, SO WE CAN SPLIT THE FRAMES INTO MORE MANAGEABLE SIZES AND THEN ADD A JOINING/COUPLING SECTION.

GO TO THE “C5PI ECO WINDOW – 53.5MM” TAB ON THE LEFT HAND SIDE, NOW HIGHLIGHT THE “53.5MM COUPLED” OPTION AND THEN CLICK “OK”.

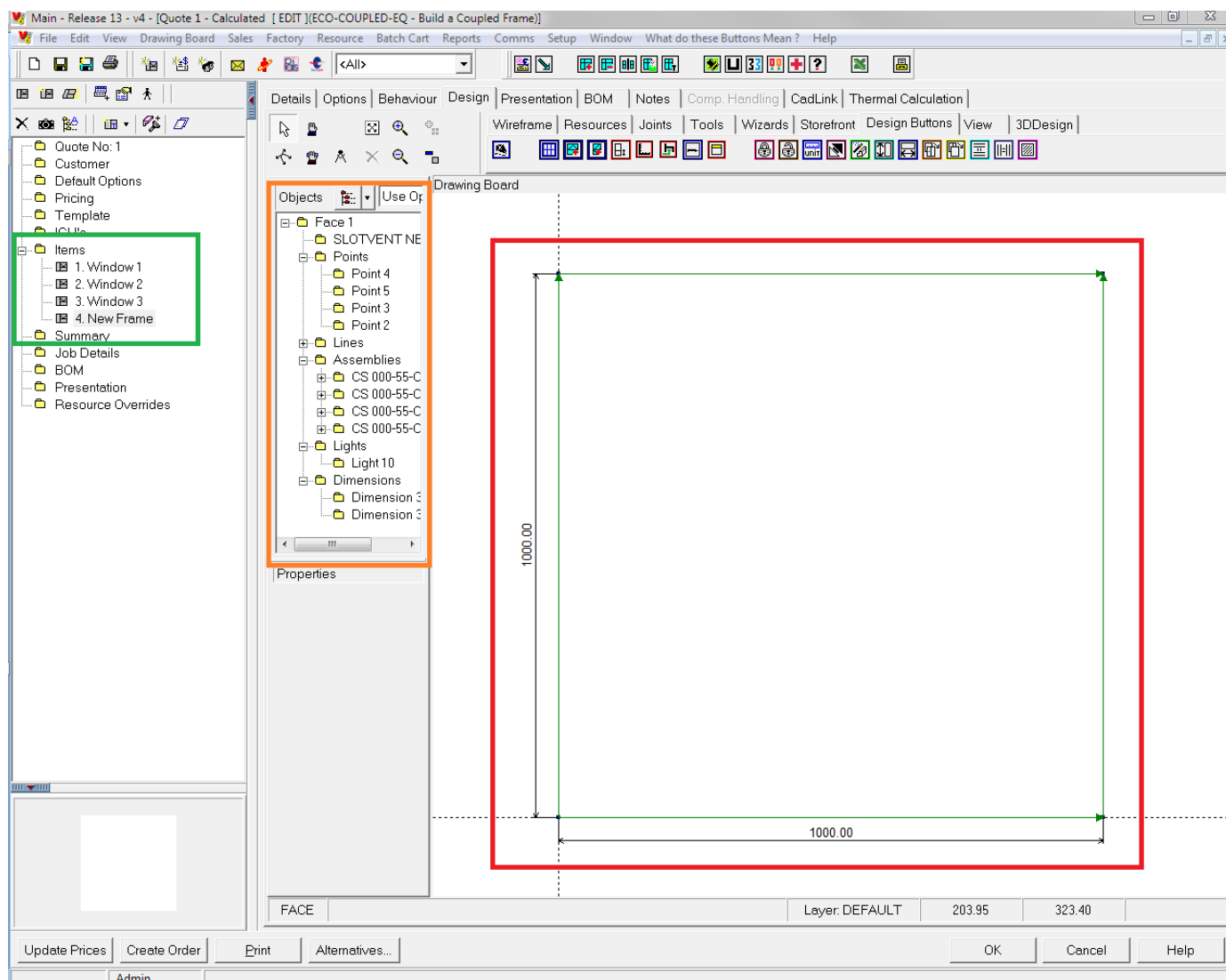


WHEN A FRAME IS ADDED INTO GENESIS IT WILL ALWAYS ADD A SQUARE FRAME WITH DEFAULTS BASED ON THE OPTION CHOSEN. WE DO NOT USE STANDARD STYLES ON WINDOWS SO WE WILL ALWAYS BE BUILDING THE FRAME AND THEN ADDING IN VENTS WHERE REQUIRED.

ON COUPLED FRAMES YOU WILL NOTICE THAT THERE ARE NO SECTIONS SHOWN (JUST A LINE).



NOW THAT YOU HAVE ADDED A FORTH FRAME TO THE QUOTE YOU WILL SEE THAT YOU NOW HAVE THREE ITEM LISTED IN THE LEFT HAND SIDE SCREEN,(THIS WILL LIST ANY FRAMES THAT YOU HAVE ADDED TO YOUR QUOTE) THE RIGHT HAND SIDE OF THE SCREEN IS THE DESIGN SCREEN AND YOU CAN SEE THAT IT HAS ADDED A FRAME 1000MM X 1000MM. IN A MOMENT WE WILL CHANGE THE DESIGN. YOU WILL NOT HAVE THE COLOURED BOXES AS SHOWN BELOW THEY WILL BE USED TO HIGHLIGHT SOME AREAS IN ONE MOMENT



BEFORE WE CHANGE THE DESIGN OF THIS SCREEN, LETS TAKE A BIT OF TIME GETTING USED TO THE NEW MENUS THAT YOU CAN ACCESS NOW WE HAVE ADDED A FRAME.

DESIGN

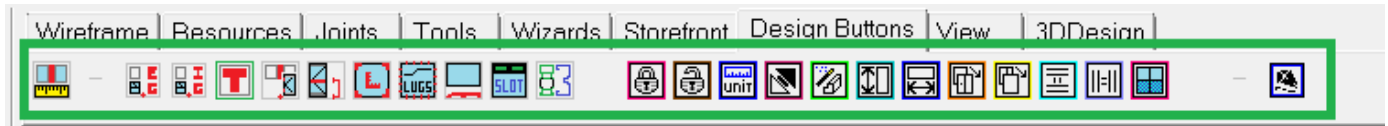
THE DESIGN SCREEN DRAWING BOARD WILL SHOW YOU WHAT THE FRAME LOOKS LIKE, ALL CHANGES TO THE FRAME INCLUDING ADDING TRANSOMS, CHANGING SIZES ETC AND ADDING WINDOWS OR DOORS ARE DONE HERE. THE FRAMES SHOWN ARE BEING BUILT IN FULL SIZED EXTRUSIONS SO THE SCALE IS A TRU REPRESENTATION OF THE FINISHED PRODUCT.

WHEN YOU HIGHLIGHT A FRAME IN THE ITEMS TAB (AS SHOWN IN THE LEFT HAND SIDE ABOVE IN GREEN) THE DESIGN SCREEN/DRAWING BOARD SHOWS YOU THE DESIGN FOR THAT ITEM, YOU CAN CLICK BETWEEN THE FRAMES (ITEMS) IF YOU HAVE MORE THAN ONE IN A QUOTE AND IF YOU ARE IN THE DESIGN SCREEN THE FRAME SHOWN WILL SWITCH TO SHOW YOU THE ONE THAT YOU HAVE HIGHLIGHTED.

THE ORANGE RECTANGLE INDICATES THE OBJECTS BOX, THIS LISTS ALL THE ASSEMBLIES YOU HAVE USED AS WELL AS GLASS AND DOORS.

CHANGING THE DESIGN

WE ARE NOW GOING TO CHANGE THE DESIGN OF THE FRAME SO WE NOW MOVE DOWN TO THE DRAWING BOARD (WHILST IN DESIGN) AND THERE ARE MACRO DESIGN BUTTONS WHICH ARE RELEVANT TO THE FRAME THAT WE ARE VIEWING AT THAT TIME. THERE ARE QUITE A FEW BUTTONS HERE (AND THEY ARE SMALL) BUT GENERALLY THE FIRST SET OF BUTTONS ARE TO CHANGE THE DESIGN OF THE FRAME, ADDING DOORS AND ADDING WINDOWS. THE SECOND SET OF BUTTONS ARE SIMPLE COMMANDS LIKE CHANGING SECTIONS, SPLITTING LIGHTS (ADDING MULLIONS OR TRANSOMS), MERGING LIGHTS (DELETING MULLIONS OR TRANSOMS), CHANGING HEIGHTS OR TRANSOMS AND WIDTHS OF MULLIONS AND CHANGING GLASS. YOU WILL NOTICE THAT THE AMOUNT OF BUTTONS THAT YOU SEE WHEN DESIGNING DIFFERENT SYSTEMS WILL CHANGE DEPENDING ON WHAT FRAME YOU ARE DESIGNING. I.E YOU WOULDN'T HAVE A DOOR BUTTON FOR BUILDING A WINDOW. LIKE AUTOCAD THE BUTTONS ARE THERE TO MAKE IT QUICKER TO PERFORM EVERYDAY TASKS.



WE ARE NOW GOING TO CHANGE THE DESIGN AND DIMENSIONS OF THIS FRAME, IN MOST CASES THE SECOND BUTTON SHOWN IN THE DESIGN SCREEN WILL PERFORM A TASK TO CHANGE THE DESIGN OR THE DIMENSIONS.

(IF YOU WANT TO EXPLORE WHAT THESE BUTTONS DO YOU CAN USE YOUR MOUSE TO HOVER OVER THE BUTTON AND IT SHOULD TELL YOU WHAT COMMAND THE BUTTON PERFORMS).

CLICK ONTO THE FRAME BUILD BUTTON.



THIS WILL BRING UP THE REBUILD BUTTON, WE WILL BE CHANGING THE SIZES LATER ON.

THIS SCREEN (WHICH IS ONE OF THE COMMON SCREENS) HANDLES THE MOST PART OF THE FRAMING PART OF OUR DESIGN (EXCLUDING ADDING VENTS ETC).

WE CAN CHANGE THE WIDTH, HEIGHT LIGHTCODE OR COLUMNS AND ROWS, THE DESCRIPTION AND QUANTITY OF THE FRAME, EXTRUSION FINISH, AND SECTIONS TO BE USED.

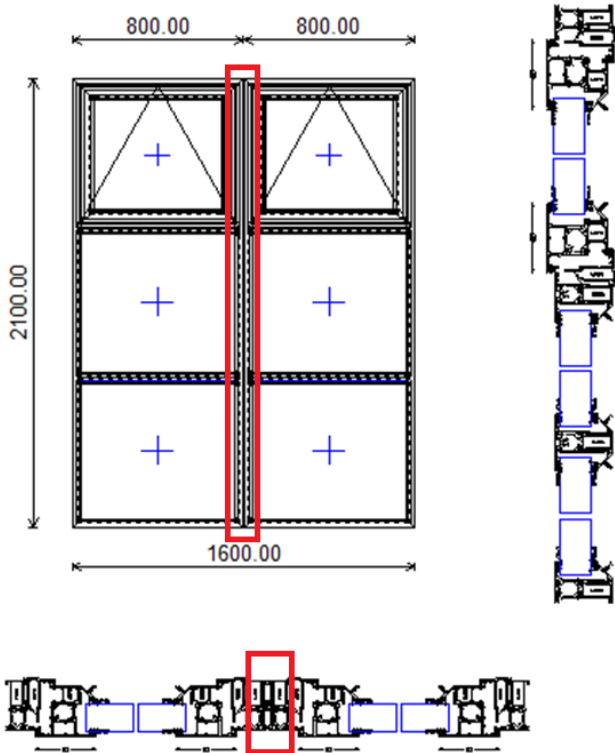
THE DEFAULT SECTIONS FOR THE HEAD, TRANSOMS ETC ARE BASED ON OUR TECHNICAL MANUAL, IN MOST CASES YOU MAY NEED TO CHECK THE WINDLOADING FOR THE FRAMES TO INDICATE WHAT MULLIONS OR TRANSOMS TO USE, BUT AS STANDARD THESE WILL BE THE SECTIONS TO USE (SUBJECT TO WINDLOADINGS). **DO NOT CLICK OK**

Width 1000	Head Extension - Add On Piece None	Fixing Strap No Fixing Straps
Height 1000	Sub Cill Type None	
Light Code 1	Columns 1	Sub Cill Nosing CS 588 - 52mm Nosing
Rows 1		
VCouplers GK 856 (3mm Gap) - IXX - 26.55	Frame Quantity 1	Single or Dual Colour ? Single Colour
HCouplers None with 0mm Gap	Frame Description Screen 6	Outside Finish [COL:COMAR:WHITE (WHITE)]
Item Comments		Glass [FIL:COMAR:6-16-6 FL]
	Create	Cancel

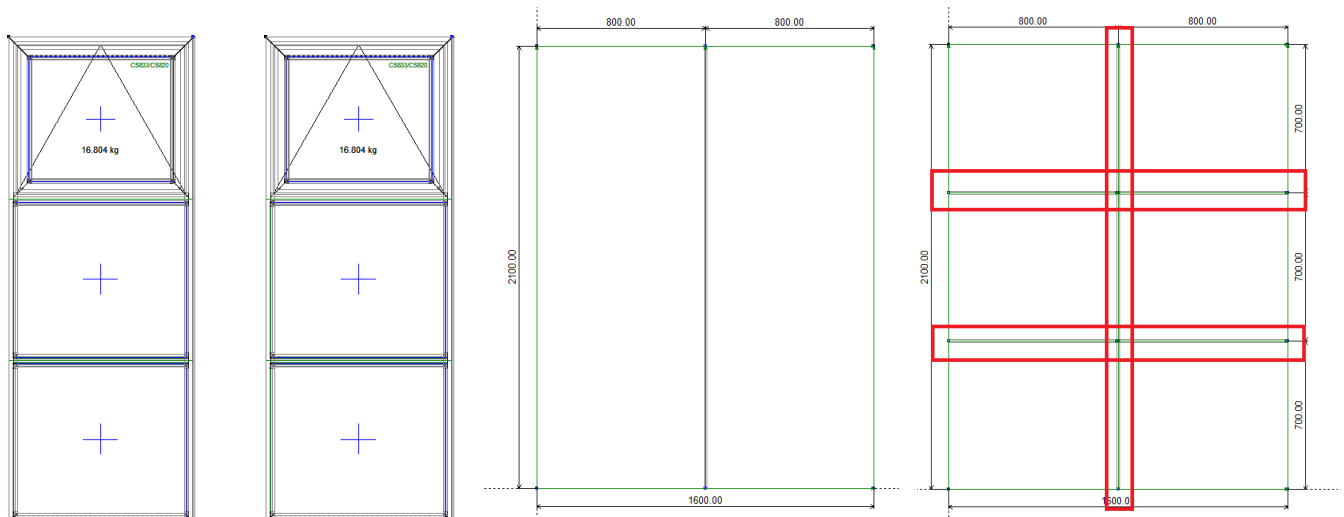
IMPORTANT DIFFERENCES WHEN BUILDING A COUPLED FRAMES

ON COUPLED FRAMES WE HAVE TO BUILD A LAYOUT FRAME WHICH INSTEAD OF HAVING NORMAL MULLIONS WILL INCLUDE THE COUPLING SECTIONS.

IN THIS NEXT EXAMPLE WE WILL BE BUILDING THE FOLLOWING FRAME AND YOU CAN SEE THAT IT IS COUPLED DOWN THE CENTRE AS SHOWN IN RED.



WHAT WE ARE ACTUALLY BUILDING ARE TWO SEPERATE FRAMES (FIG 1) AND WE ARE COUPLING THEM TOGETHER. BUT BASED ON WHAT WE HAVE ALREADY LEARNT, IF THIS WAS ONE FRAME THEN WE WOULD BE DESIGNING THE FRAME AS A LIGHTCODE OF 33. HOWEVER ON COUPLED FRAMES THE FIRST BUILD BUTTON IS JUST BUILDING THE COUPLERS. SO WE SPECIFY THEM AS A 11 (FIG 2). THIS WILL ADD ONE VERTICAL COUPLER. IN MOST CASES WE ONLY USE 1,11,111,1111,11111 AND NOT ANYTHING ABOVE A LIGHT CODE OF 1 ON EACH COLUMN. THIS WILL HORIZONTALLY COUPLE THE FRAME IF WE DO. (FIG 3) AS SHOWN BELOW.



YOU WILL SEE THAT THE BELOW SCREEN HAS ALREADY SELECTED THE PROFILES THAT ARE THE STANDARD DEFAULT FOR THIS SYSTEM ON THE COUPLER, BASED ON WINDLOADINGS WE MAY NEED TO CHANGE THE SIZE OF THEM AND THERE ARE VARIOUS OPTIONS AVAILABLE. THIS MANUAL IS ONLY DESIGNED TO TEACH YOU HOW TO BUILD FRAMES. ALL WINDLOADINGS WILL BE THE RESPONSIBILITY OF THE END USER OF GENESIS

TO SHOW SOME MORE OPTIONS, PLEASE CHANGE ALL OF THE DETAILS AS SHOWN BELOW. INCLUDING ADDING A SUBCILL AND A HEAD EXTENTION.

WHEN YOU HAVE CHANGED THE HIGHLIGHTED ITEMS PLEASE CLICK OK.

Build Coupled Frame - Comar 5Pi Eco - 53.5mm

Width

1600

Height

2100

Light Code

11

VCouplers

lxx Req - 0

GK 856 (3mm Gap) - lxx - 26.55

HCouplers

lyy Req - 1.04

None with 0mm Gap

Item Comments

Head Extension - Add On Piece

CS 851 (25mm Height Deduction)

Sub Cill Type

CS 890 - 95mm (23mm Height deducti

Sub Cill Nosing

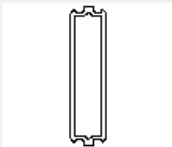
CS 588 - 52mm Nosing


Frame Quantity

1

Frame Description

Window 4





Fixing Strap

No Fixing Straps

Single or Dual Colour ?

Single Colour

Outside Finish

[COL:COMAR:WHITE (WHITE)]

Glass

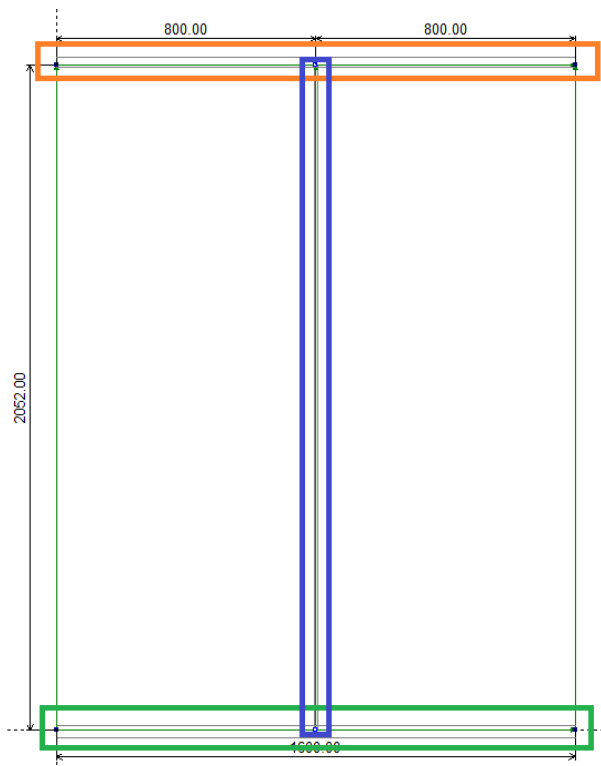
[FIL:COMAR:6-16-6 FL]

Create

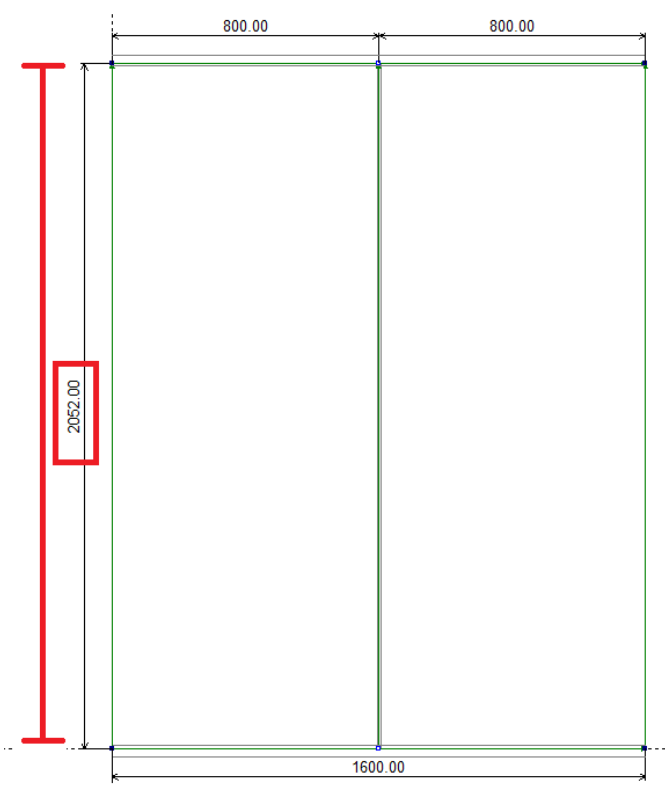
Cancel

THE SCREEN HAS NOW BEEN REDESIGNED

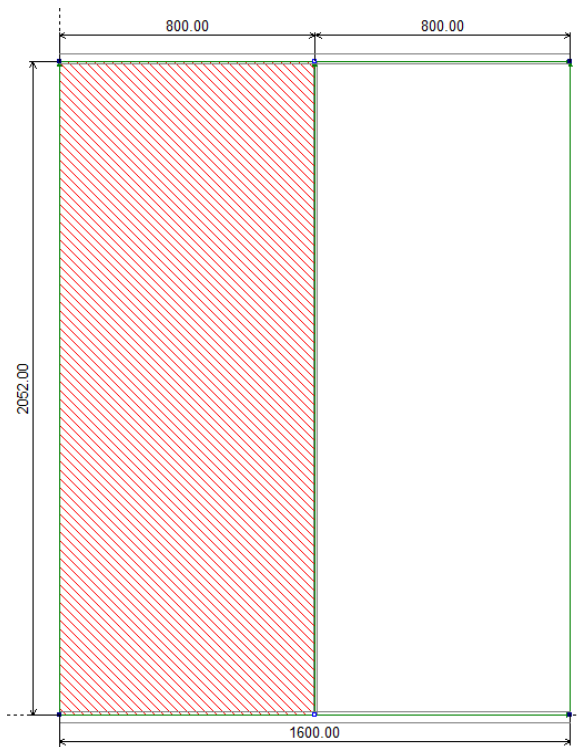
BASED ON THE OPTIONS THAT YOU HAVE CHOSEN YOU WILL SEE THE HEAD EXTENTION (ORANGE), THE SUBCILL (GREEN) AND THE COUPLER (BLUE), AT PRESENT THERE ARE NO SECTIONS FOR THE MAIN FRAME INCLUDED ON THESE THREE THINGS.



COUPLERS AND HEAD EXTENTIONS. THROUGHOUT THE PROGRAM IT IS IMPORTANT TO UNDERSTAND THAT ALL HEAD EXTENTIONS AND ALL COUPLERS ARE SHOWN ON THE SOFTWARE OUTSIDE OF THE MAIN FRAME DIMENSIONS. WHEN YOU FIRST BUILD THE FRAME IN THIS EXAMPLE WE STARTED WITH AN OVERALL FRAME SIZE OF 2100, WHEN WE ADDED THE SIBCILL AND HEAD EXTENTION IT DEDUCTED THE DIMENSION OF THESE TWO THE HEIGHT 9WHICH NOW SHOWS AS 2052). YOU CAN SEE THAT THE DIMENSION SHOWN ON SCREEN IS NOT TO THE OUTSIDE OF THESE ADD ON PROFILES BUT WHERE THE INSERTED COUPLED FRAMES WILL BE



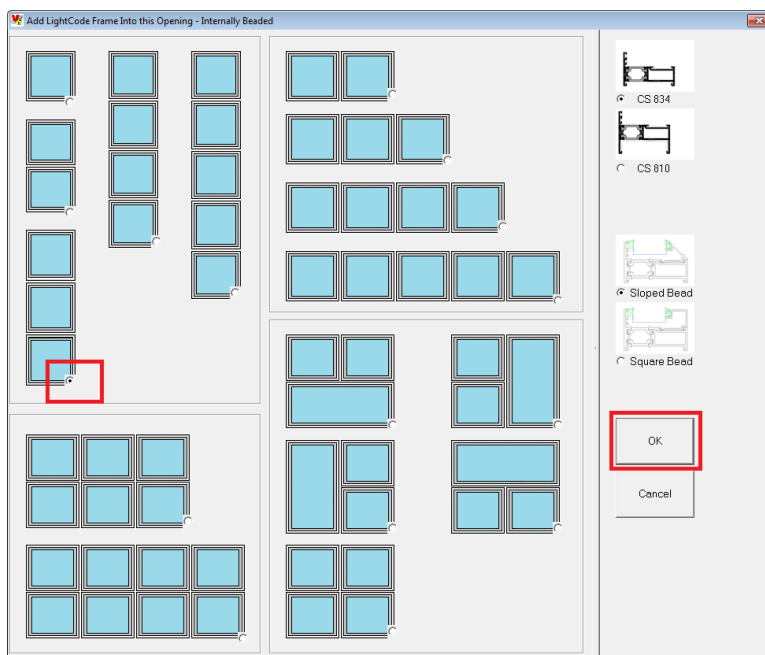
OK WE NOW WANT TO ADD THE ACTUAL PROFILES INTO THIS FRAME. HIGHLIGHT THE LEFT HAND LIGHT AS SHOWN. BELOW.



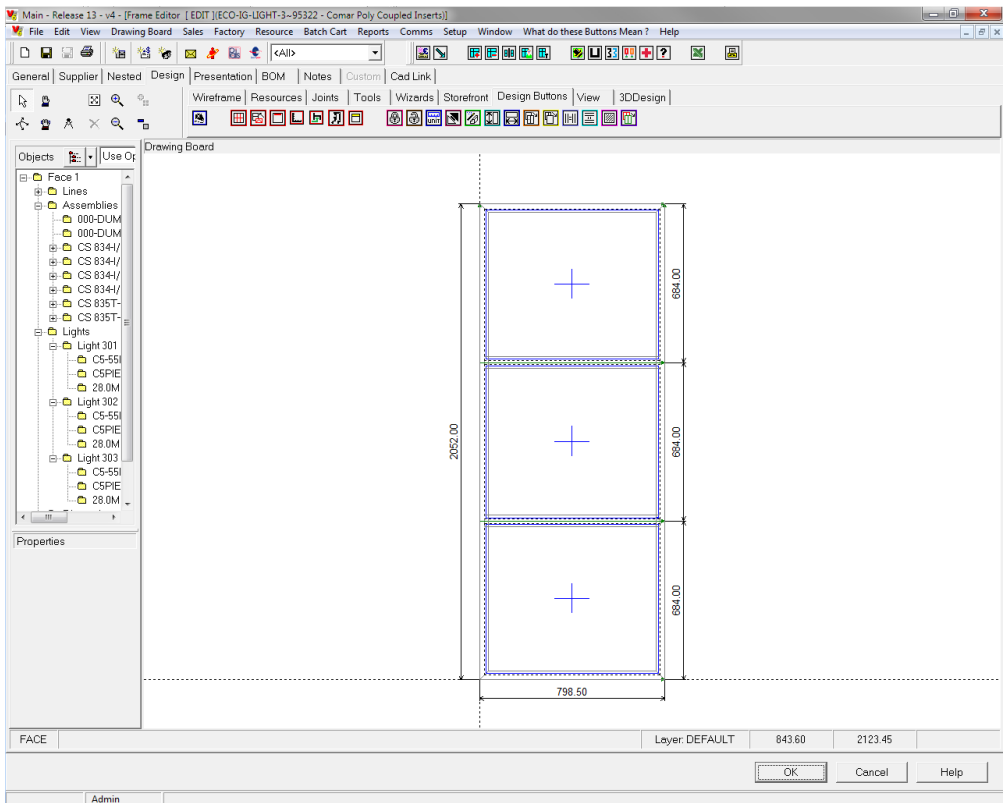
NOW CLICK ONTO THE THIRD BUTTON (AS SHOWN BELOW)



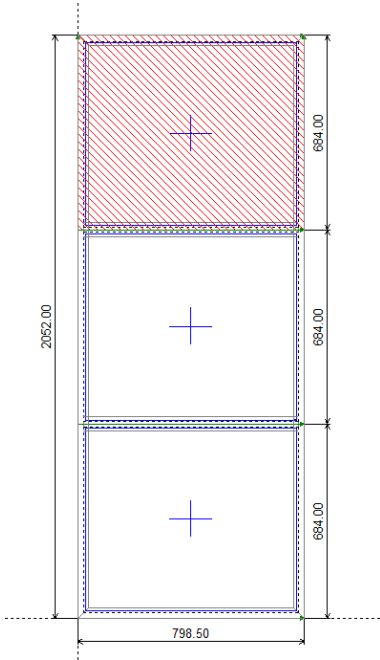
ON COUPLED FRAMES YOU WILL SEE THAT WE HAVE A CHOICE OF PREBUILT FRAMES TO ADD INTO THIS SCREEN. YOU MAY NOT FIND ALL COMBINATIONS, BUT WE CAN USE THE SPLIT AND MERGE FUNCTIONS IN THE SOFTWARE TO ADD AND REMOVE MULLIONS. PLEASE CHOOSE THE OPTION AS SHOWN IN THIS EXAMPLE AND CLICK OK



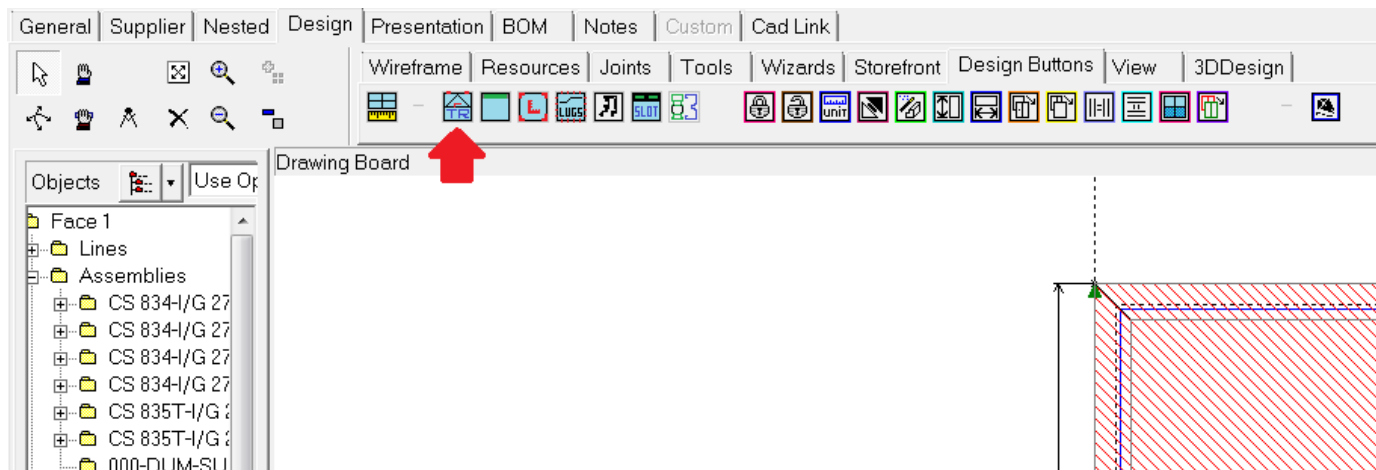
HOPEFULLY WHEN YOU ADD THIS FRAME IT SHOULD USE THE COMMAND (OPEN RESOURCE – EXPLAINED FURTHER ON LATER) , THIS OPENS UP THE PART OF THE WINDOW THAT WE HAVE JUST ADDED.



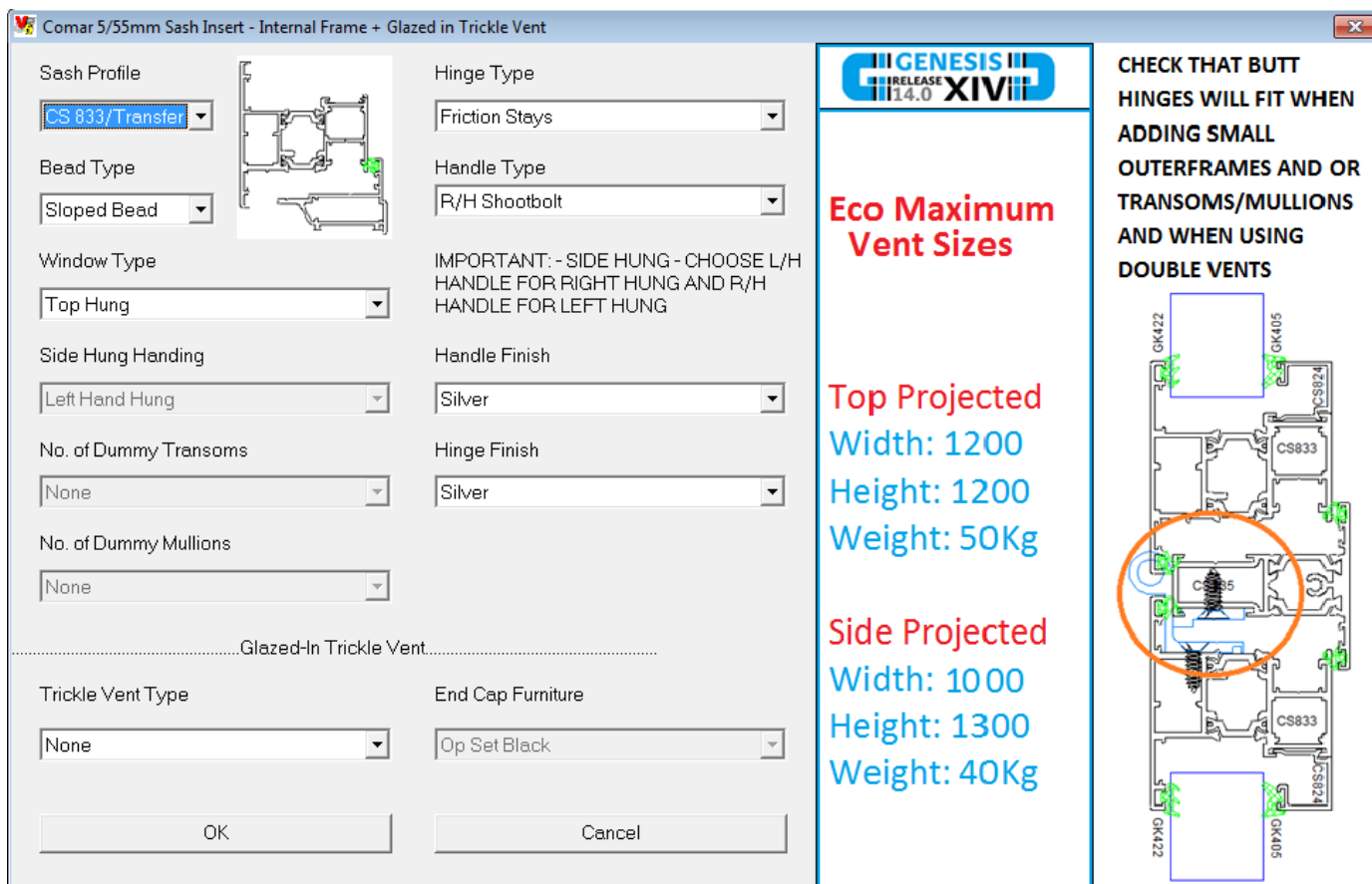
WE WILL ADD A VENT INTO THE FRAME, PLEASE HIGHLIGHT THE LIGHT AS SHOWN



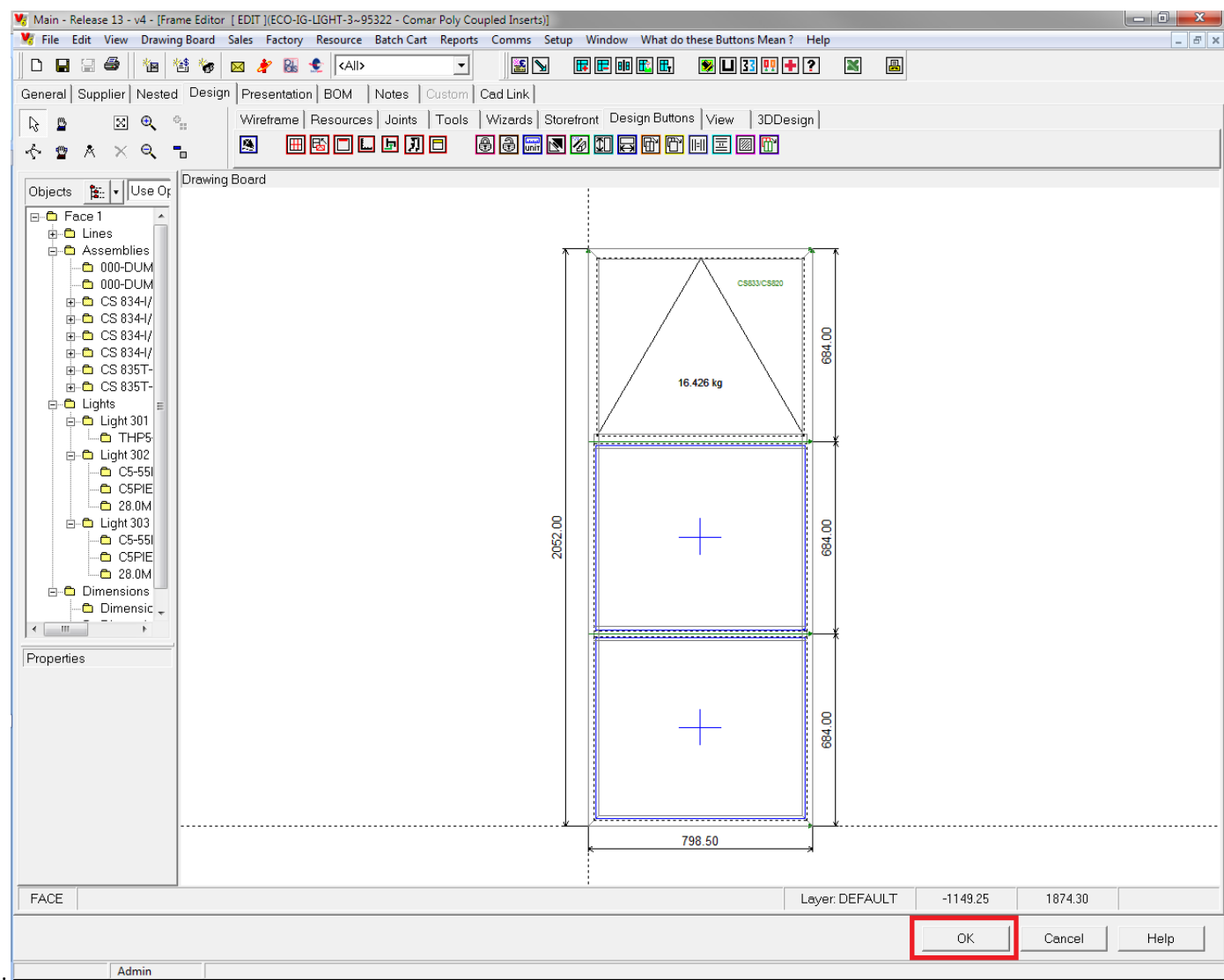
NOW CLICK ONTO THE OPENING SASH BUTTON (AS SHOWN BELOW)



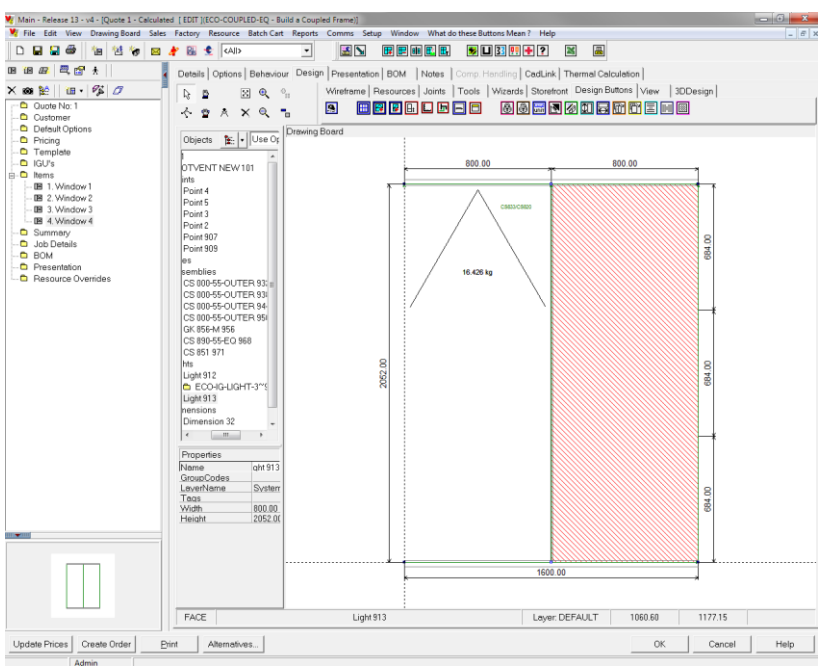
FOR THIS EXAMPLE WE WILL LEAVE EVERYTHING AS IT IS. NOW CLICK OK.



THIS WILL NOW SHOW YOU THE NEW DESIGN FOR THIS ONE PART OF THE COUPLED FRAME. CLICK OK AT THE BOTTOM AND THIS WILL RETURN YOU TO THE MAIN QUOTE AND FRAME.



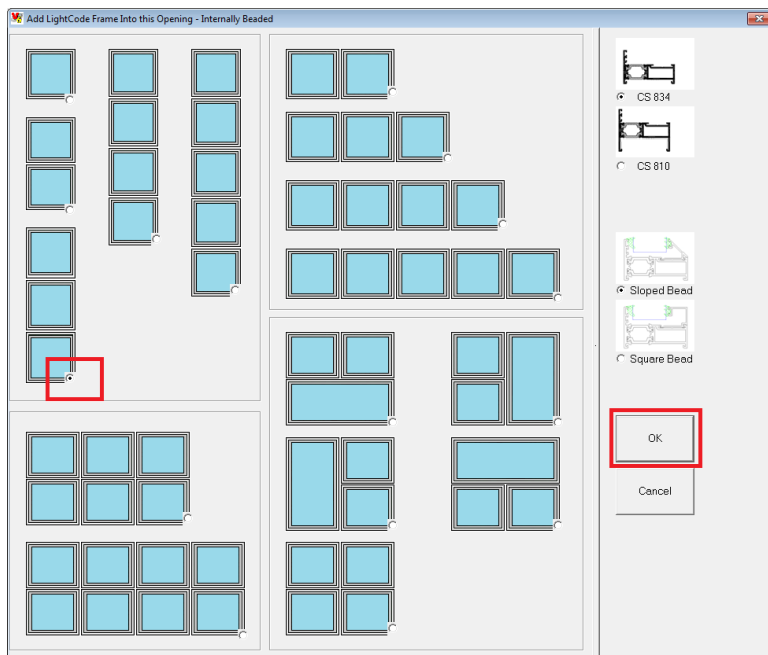
WE WILL NOW BUILD THE OTHER SIDE OF THE FRAME. HIGHLIGHT THE LEFT HAND LIGHT AS SHOWN. BELOW.



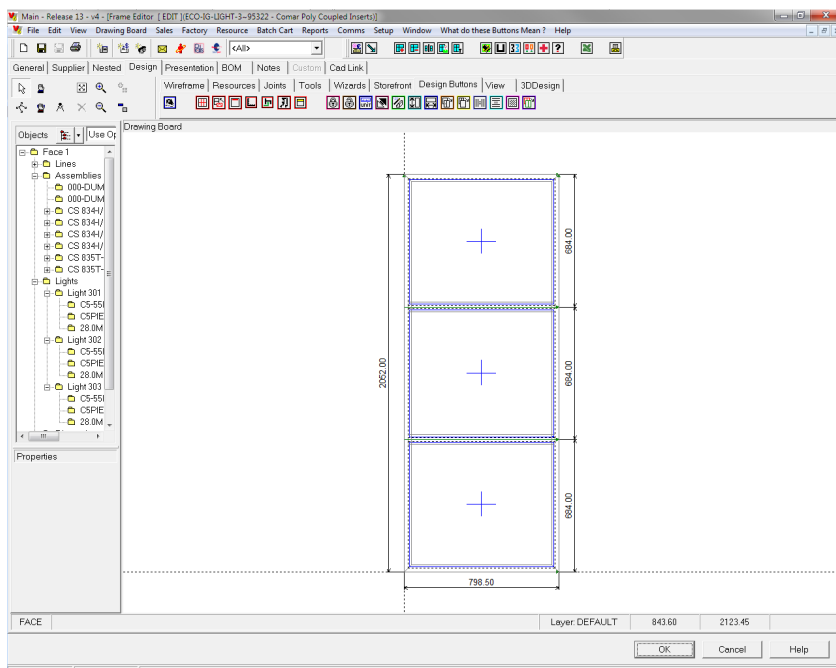
NOW CLICK ONTO THE THIRD BUTTON (AS SHOWN BELOW)



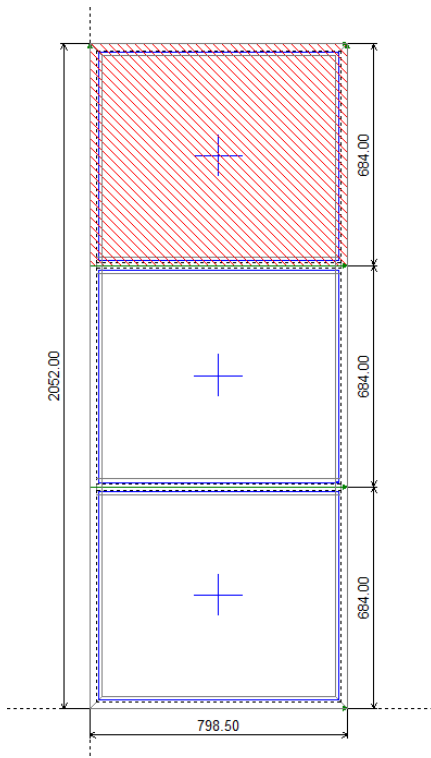
ON COUPLED FRAMES YOU WILL SEE THAT WE HAVE A CHOICE OF PREBUILT FRAMES TO ADD INTO THIS SCREEN. YOU MAY NOT FIND ALL COMBINATIONS, BUT WE CAN USE THE SPLIT AND MERGE FUNCTIONS IN THE SOFTWARE TO ADD AND REMOVE MULLIONS. PLEASE CHOOSE THE OPTION AS SHOWN IN THIS EXAMPLE AND CLICK OK



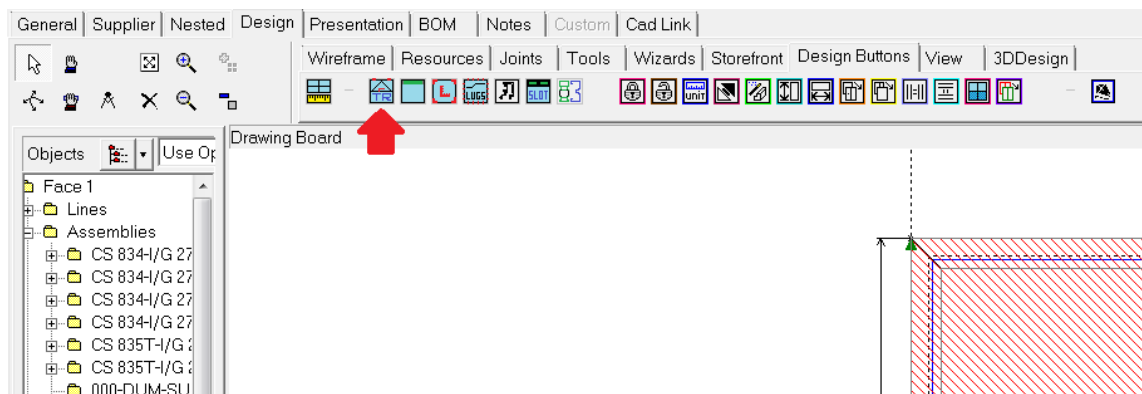
HOPEFULLY WHEN YOU ADD THIS FRAME IT SHOULD USE THE COMMAND (OPEN RESOURCE – EXPLAINED FURTHER ON LATER) , THIS OPENS UP THE PART OF THE WINDOW THAT WE HAVE JUST ADDED.



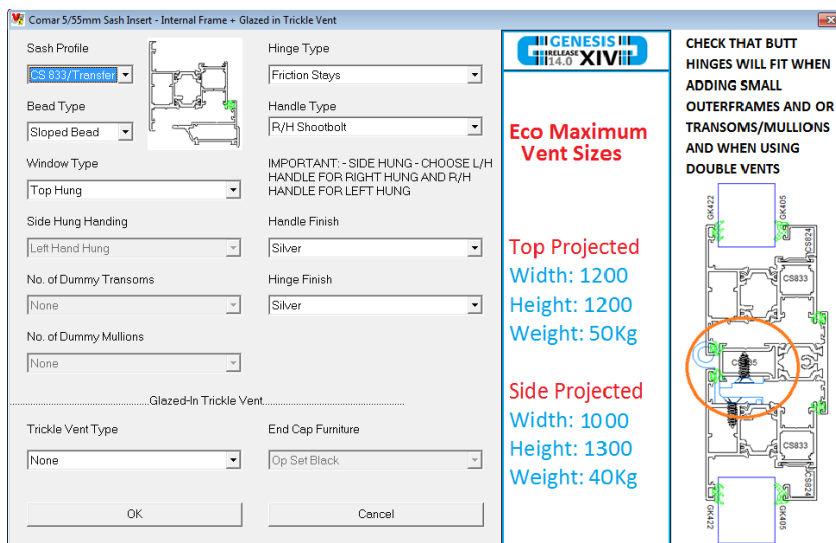
WE WILL ADD A VENT INTO THE FRAME, PLEASE HIGHLIGHT THE LIGHT AS SHOWN



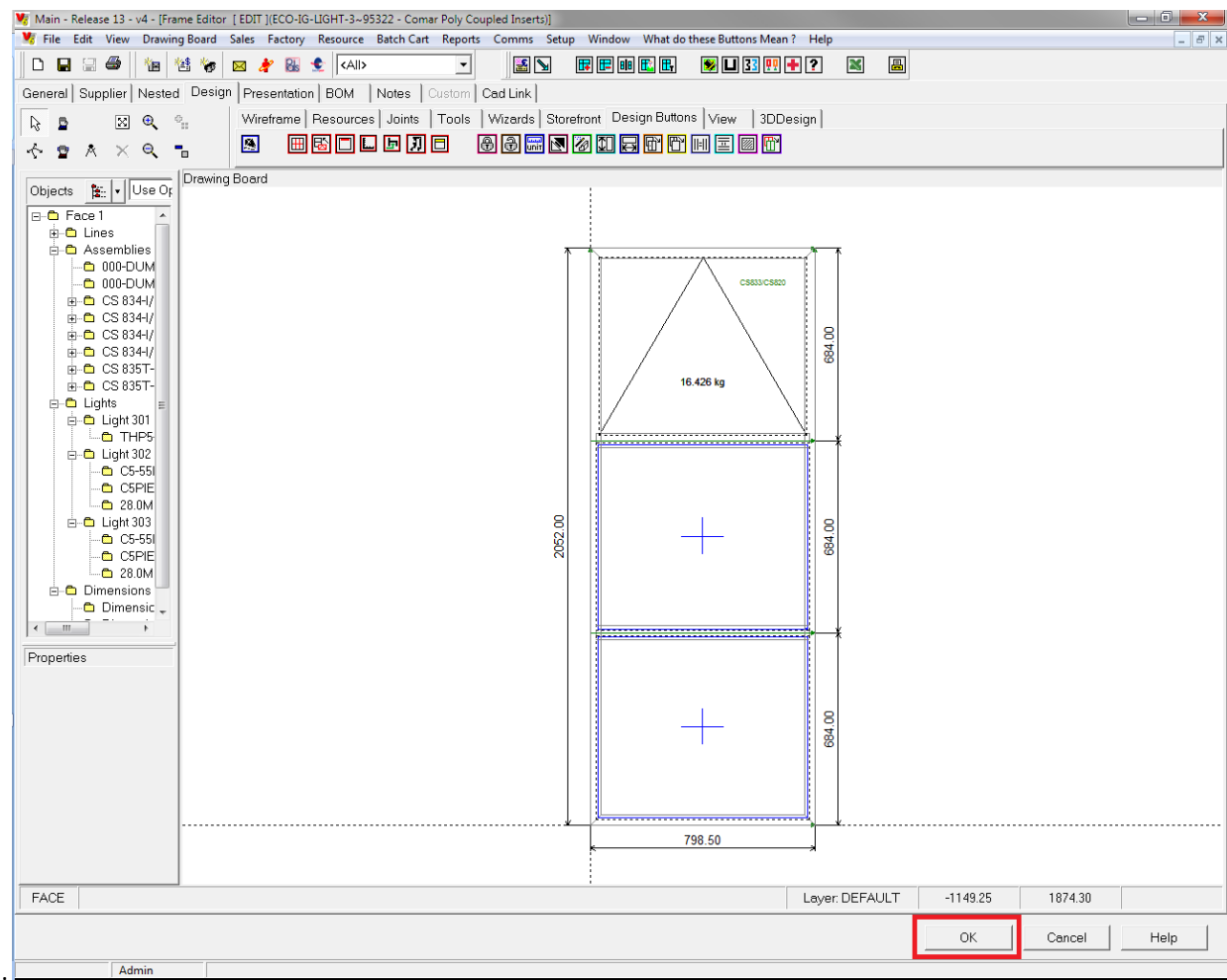
NOW CLICK ONTO THE OPENING SASH BUTTON (AS SHOWN BELOW)



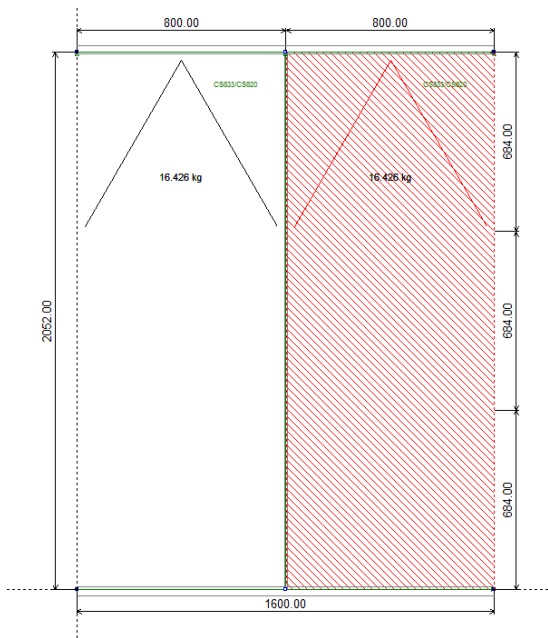
FOR THIS EXAMPLE WE WILL LEAVE EVERYTHING AS IT IS. NOW CLICK OK.



THIS WILL NOW SHOW YOU THE NEW DESIGN FOR THIS ONE PART OF THE COUPLED FRAME. CLICK OK AT THE BOTTOM AND THIS WILL RETURN YOU TO THE MAIN QUOTE AND FRAME.



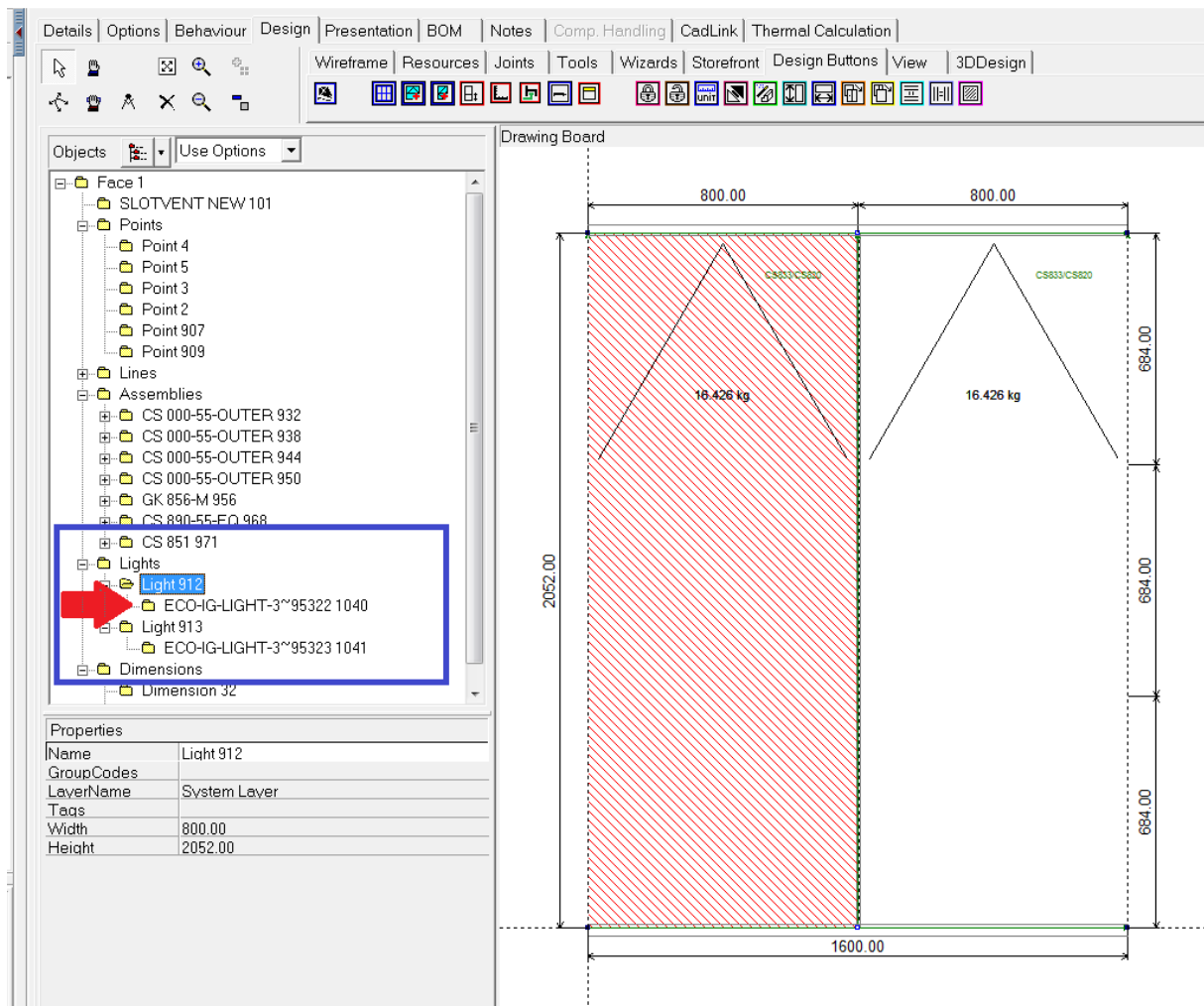
WE SHOULD NOW BE BACK AT THE MAIN QUOTE AND BOTH SIDES OF THE FRAME ARE FILLED IN.



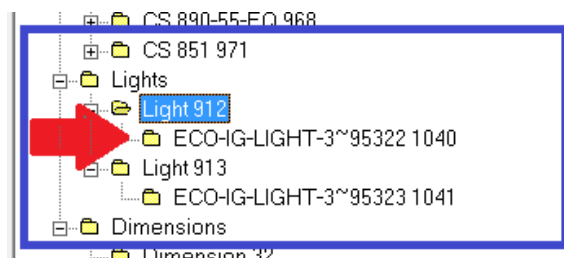
OPENING UP ONE FRAME TO MAKE CHANGES (OPEN RESOURCE)

IF WE WANT TO MAKE CHANGES TO ONE OF THE FRAMES THEN WE HAVE TO USE SOMETHING CALLED “OPEN RESOURCE” AS MENTIONED EARLIER. HIGHLIGHT THE LIGHT WHICH CONTAINS THE FRAME THAT

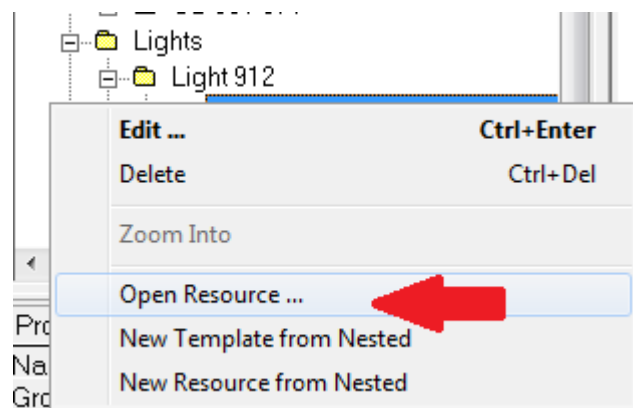
WE WANT TO CHANGE. YOU WILL SEE IN THE OBJECTS BOX THAT IT HAS THE LIGHT NUMBER AND THEN UNDERNEATH IS THE ACTUAL FRAME (AS SHOWN IN THE RED ARROW).



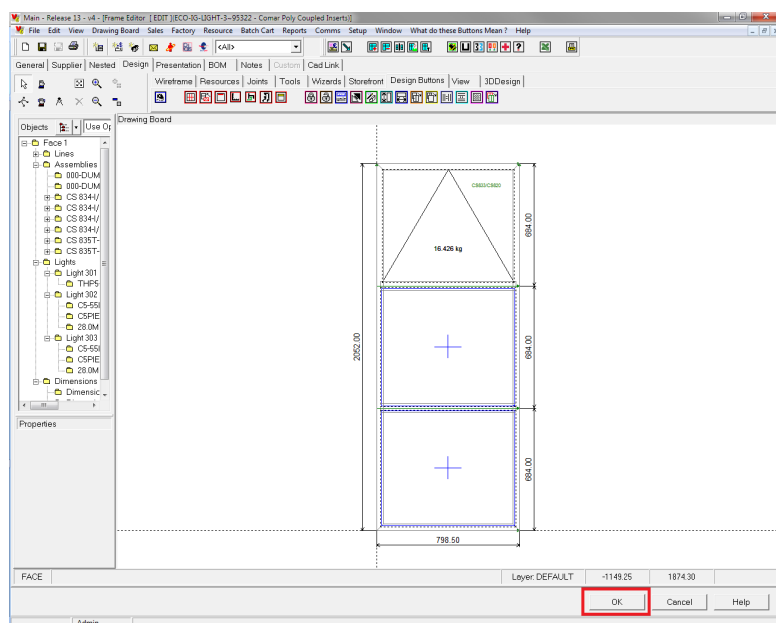
USING YOUR MOUSE, CLICK ONTO THE FRAME (AS SHOWN BY THE ARROW) AND CLICK YOUR RIGHT HAND MOUSE BUTTON.



WHEN THE FOLLOWING MENU COMES UP, GO TO “OPEN RESOURCE”



YOU WILL SEE THAT YOU NOW HAVE THE SAME SCREEN THAT WE HAD BEFORE AND CAN MAKE CHANGES TO THE FRAME OR READD THE SASH. WE WONT MAKE ANY CHANGES FOR THIS EXAMPLE SO JUST CLICK OK TO RETURN TO THE MAIN SCREEN AGAIN.



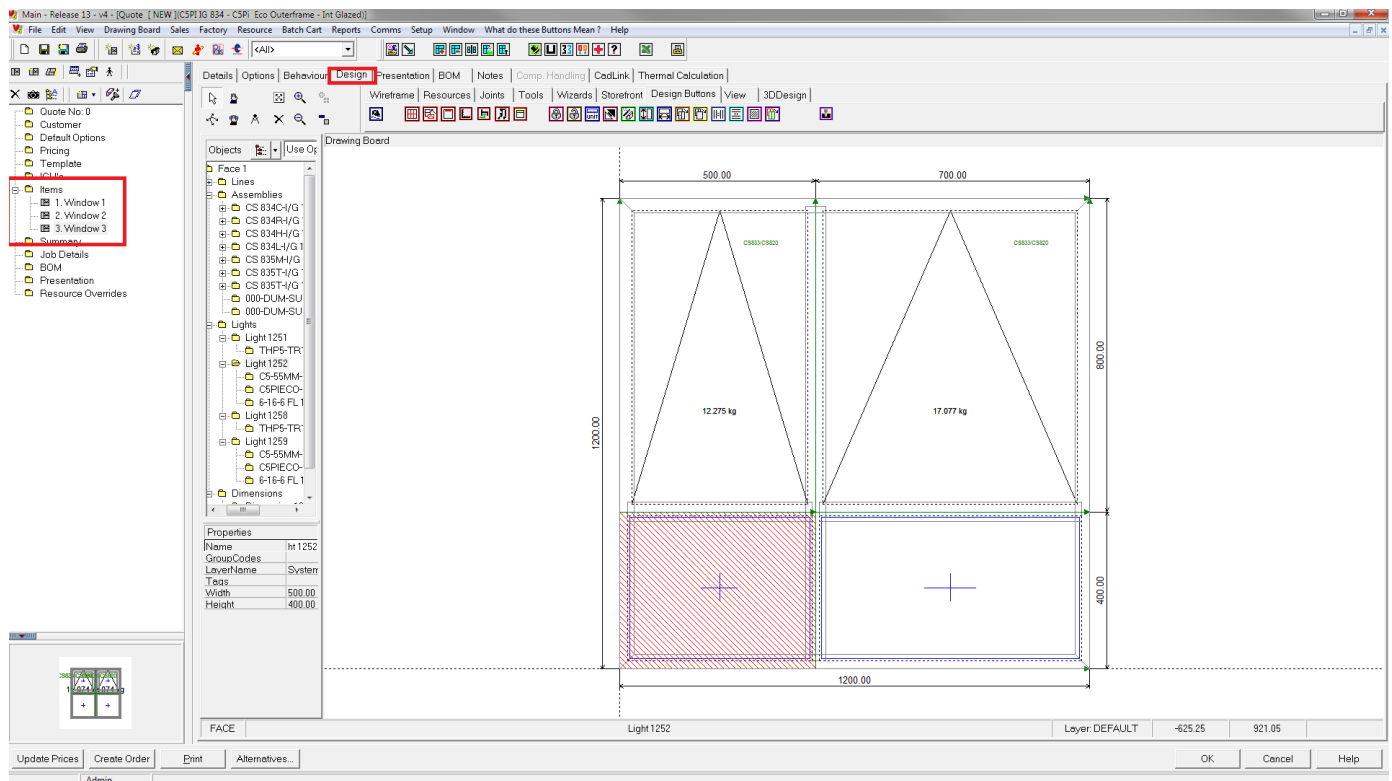
THIS FRAME IS NOW COMPLETE. ITS ALWAYS BEST TO USE THE QUICKSAVE BUTTON AFTER ADDING A FEW ITEMS AS THIS WILL TO SAVE WHERE YOU ARE. CLICK ONTO THE BUTTON AS SHOWN.



FINALISING THE QUOTE

BEFORE WE SHUT THIS DOWN THIS QUOTE LET US HAVE A LOOK AROUND THE OTHER SCREENS IN GENESIS. THIS PROCEDURE OBVIOUSLY DOESNT NEED TO BE PERFORMED ON EVERY QUOTE BUT IT MAY ANSWER SOME OF THE QUESTIONS ON WHAT ELSE CAN BE DONE.

THE LEFT HAND SIDE OF THE SCREEN SHOWS THE 3 ITEMS THAT WE HAVE ALREADY DESIGNED.

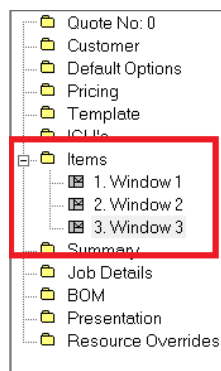


AT PRESENT WE ARE IN THE DESIGN SCREEN, THIS SCREEN ALLOWS US TO SEE THE DESIGN THAT WE HAVE MADE AND MAKE CHANGES ETC. ALONG THE MIDDLE SET OF TOOLBARS AS SHOWN YOU CAN SEE THE DESIGN TAB.

WHILST IN THE DESIGN SCREEN WE CAN CLICK FROM ITEM TO ITEM AND THE DESIGN SCREEN WILL SHOW EACH FRAME AS WE DO SO.



TO DO SO JUST USE YOUR MOUSE TO CLICK THROUGH



ALONG THE MIDDLE SET OF TABS AGAIN, WE CAN CLICK FROM DESIGN SCREEN TO THE DETAILS TAB, THIS SCREENS SHOWS THE DESCRIPTION THAT WE ADDED EARLIER (WHICH CAN BE CHANGED HERE), WE CAN ALSO ADJUST THE FRAME QUANTITY (IF WE HAVE FORGOT TO CHANGE IT WHEN BUILDING THE FRAME). IT ALSO SHOWS A PER ITEM PRICE.

DetailsOptionsBehaviourDesignPresentationBOMNotesComp. HandlingCadLinkThermal Calculation

Code:C5-PI/60 A STD

Description:Frame 4

Frame Type:Comar 5/60mm - Poly-External Glaze

Quantity:1

Status:Estimation

Item Number:4

Customer Ref:

Stage:

Delivery Date:23/02/2012

Comments:

☒ Display on Customer Reports

Cost Price:£ 740.62

Overhead:£ 0.000.00%

Markup:£ 0.000.00%

Gross Selling Price:£ 740.62

Discount:£ 0.000.00%

Net Selling Price:£ 740.62

Price Now

£ 740.62

£ 0.000.00%

£ 0.000.00%

£ 740.62

£ 0.000.00%

£ 740.62

AGAIN WE JUST USE THE YOUR MOUSE TO CLICK THROUGH EACH ITEM

Quote No: 0

Customer

Default Options

Pricing

Template

IGOs

Items

1. Window 1

2. Window 2

3. Window 3

Summary

Job Details

BOM

Presentation

Resource Overrides

IN THE SAME LINE OF TABS WE CAN CLICK ON BOM (BILL OF MATERIALS) THIS SHOWS THE LIST OF CUT ITEMS AND COMPONENTS THAT HAVE BEEN INCLUDED IN THIS ONE FRAME. CLICK THROUGH THE ITEMS AS SHOWN ABOVE BEFORE.

DetailsOptionsBehaviourDesignPresentationBOMNotesComp. HandlingCadLinkThermal Calculation

Extrusion	Description	Quantity	Finish Colour	Length	Cut1	Cut2	Bends
CS 588	50mm Sub Cill Nosing	1	WHITE (WHITE)	2000.0	0.0T	0.0T	
CS 484	C5 Pi - Sub Cill Carrier - (Complete)	1	WHITE (WHITE)	2000.0	0.0T	0.0T	
CS 439	C5 Pi - Tran/Mullion - (Complete)	1	WHITE (WHITE)	958.5	0.0T	0.0T	
CS 439	C5 Pi - Tran/Mullion - (Complete)	1	WHITE (WHITE)	928.0	0.0T	0.0T	
CS 436	C5 Pi - Vent/D-Leg Profile - (Complete)	2	WHITE (WHITE)	965.5	45.0T	45.0T	
CS 436	C5 Pi - Vent/D-Leg Profile - (Complete)	2	WHITE (WHITE)	935.0	45.0T	45.0T	
CS 435	C5 Pi - Tran/Mull - (Complete)	1	WHITE (WHITE)	891.5	0.0T	0.0T	
CS 434	C5 Pi - E/Leg O/F E/G - (Complete)	1	WHITE (WHITE)	2000.0	45.0T	45.0T	
CS 434	C5 Pi - E/Leg O/F E/G - (Complete)	1	WHITE (WHITE)	2000.0	45.0T	45.0T	
CS 434	C5 Pi - E/Leg O/F E/G - (Complete)	1	WHITE (WHITE)	986.0	45.0T	45.0T	
CS 434	C5 Pi - E/Leg O/F E/G - (Complete)	1	WHITE (WHITE)	986.0	45.0T	45.0T	
CS 429	C7+C5 Pi - Square Bead	4	WHITE (WHITE)	958.5	0.0T	0.0T	
CS 429	C7+C5 Pi - Square Bead	4	WHITE (WHITE)	411.5	0.0T	0.0T	
CS 422	C7+C5 Pi - Slope Bead	4	WHITE (WHITE)	898.7	45.0T	45.0T	
CS 422	C7+C5 Pi - Slope Bead	4	WHITE (WHITE)	425.2	45.0T	45.0T	

Quote No: 0

Customer

Default Options

Pricing

Template

IGOs

Items

1. Window 1

2. Window 2

3. Window 3

Summary

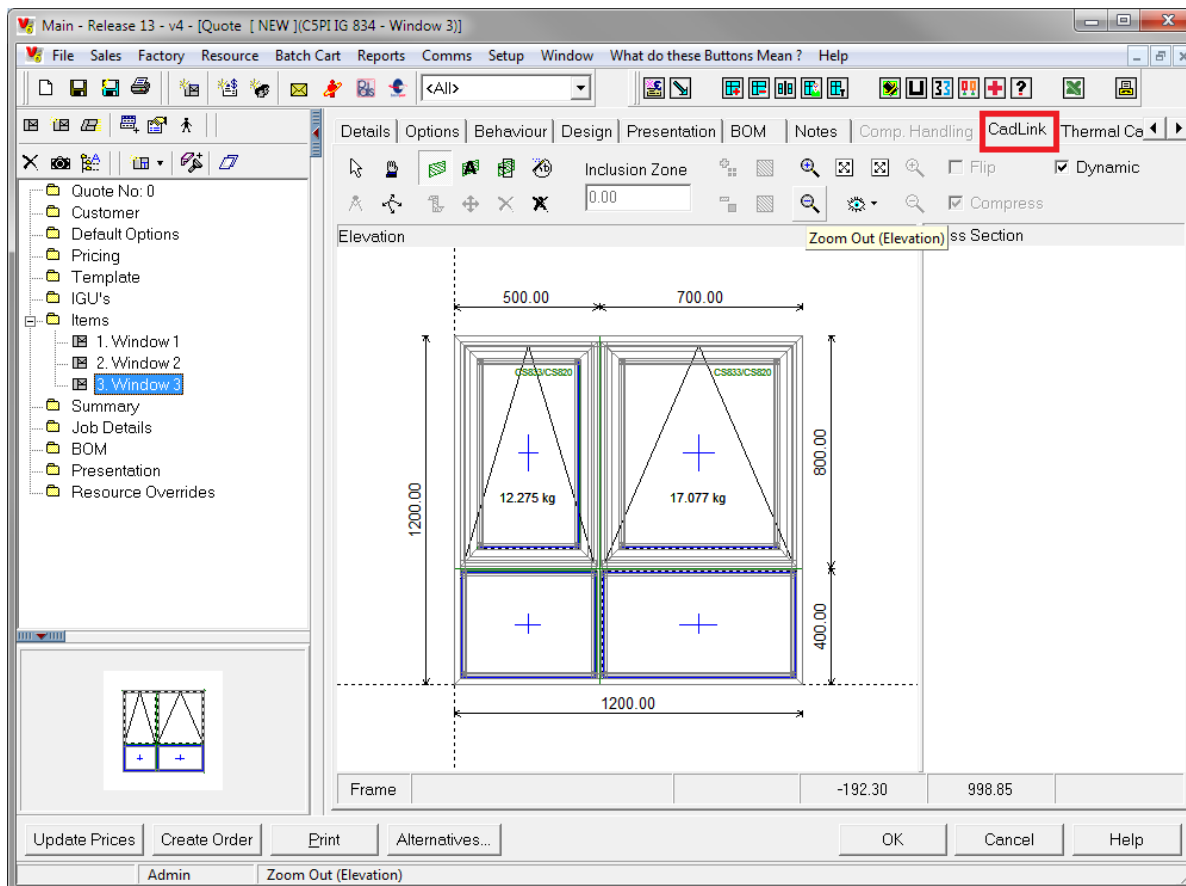
Job Details

BOM

Presentation

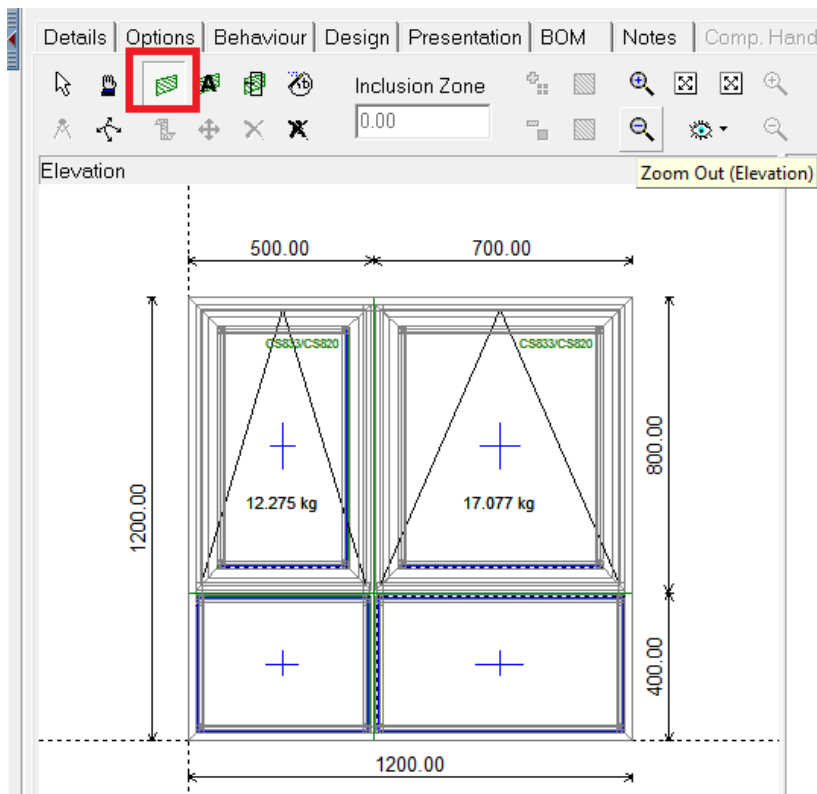
Resource Overrides

ANOTHER TAB ON THE SAME GROUP IS CADLINK. SWITCH INTO THIS TAB.



WHEN YOU FIRST GO INTO THIS SCREEN, YOU WILL SEE THE BELOW BUTTON IS PRESSED IS ALREADY PRESSED IN, IF IT ISNT PLEASE CLICK ON IT AND IT WILL BE.

IN A MOMENT WE WILL BE USING OUR MOUSE TO SWIPE THROUGH A SECTION ON A FRAME AND THIS WILL SHOW US A CAD DRAWING OF WHAT SECTIONS HAVE BEEN INCLUDED.

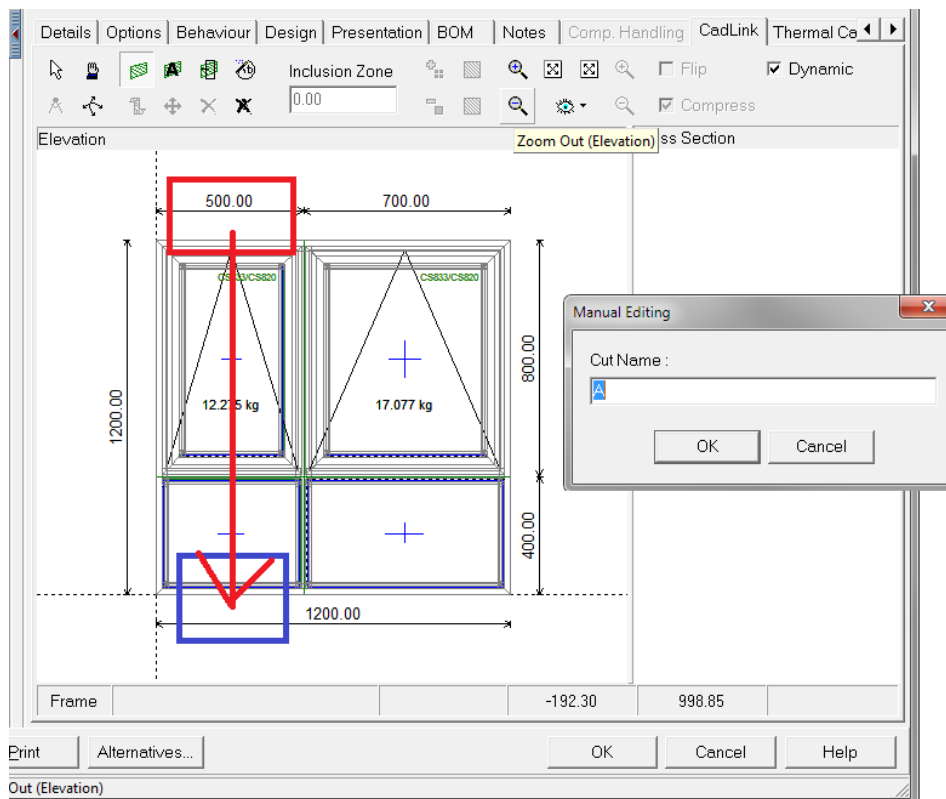


POSITION YOUR MOUSE ROUGHLY IN THE AREA THAT IS SHOWN IN THE RED SQUARE BELOW, WE WILL BE SWIPING THROUGH THE TOP OF THE VENT AND SO THIS IS THE ONLY REASON THAT WE ARE STARTING HERE.

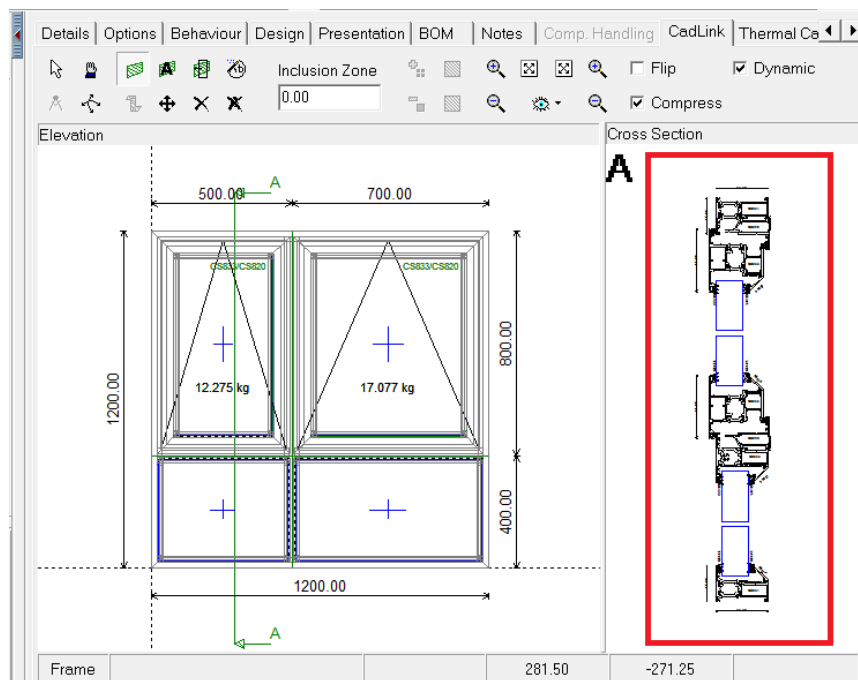
NOW HOLD DOWN YOUR MOUSE BUTTON AND MOVE IT TOWARDS YOU SO THAT YOU ARE NOW POSITIONED ROUGHLY IN THE SECOND BLUE SQUARE (AS SHOWN BELOW).

NOW LET GO OF YOUR MOUSE, THE MANUAL EDITING BOX WILL NOW COME UP, THE FIRST CUT THAT YOU CREATE WILL HAVE “A” AS THE DEFAULT, AS YOU CREATE MORE IT WILL GO TO B AND C, ETC.

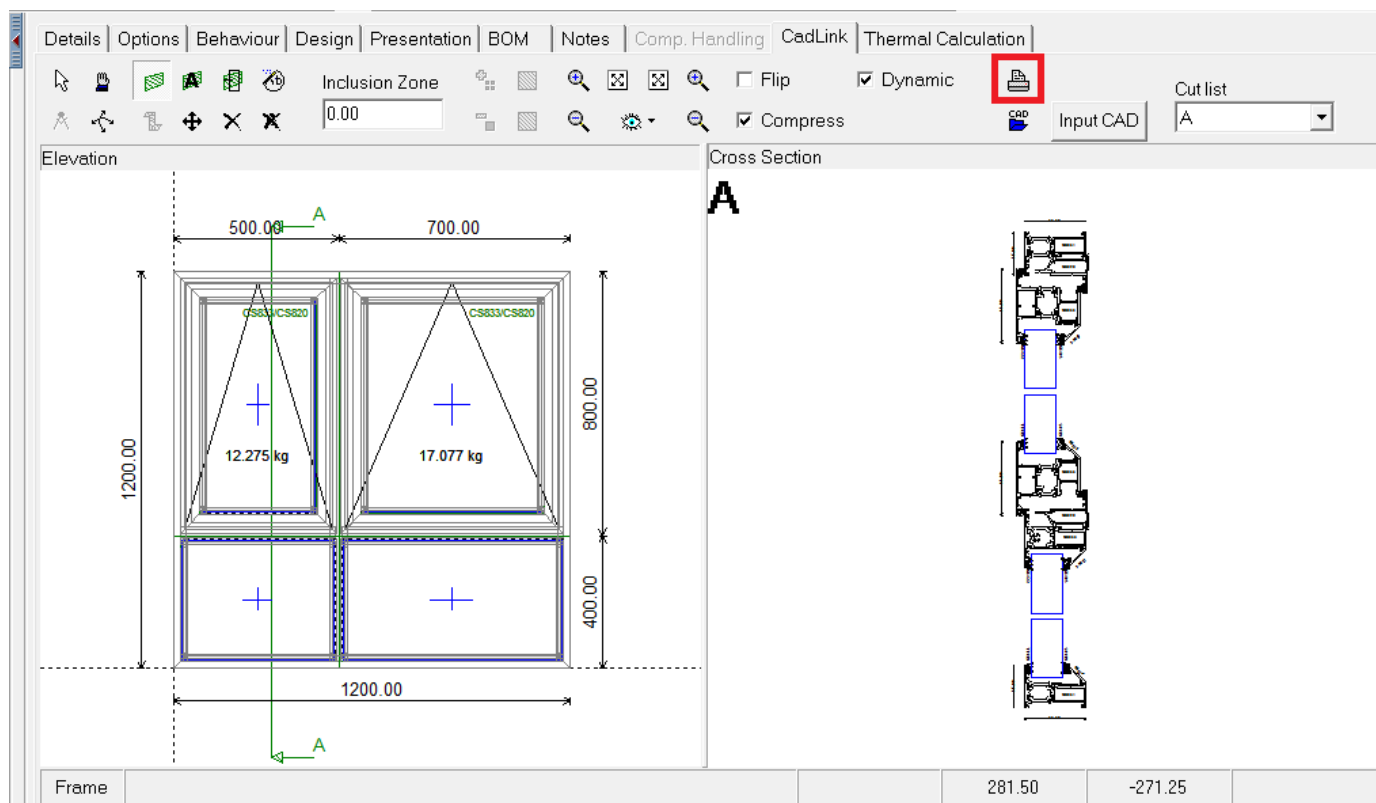
DO NOT CHANGE THE CUT NAME AND NOW CLICK OK



YOU WILL SEE THAT YOU NOW HAVE A SECTION THROUGH OF THE FRAME SHOWN ON THE RIGHT HAND SIDE SCREEN (AS SHOWN BELOW).



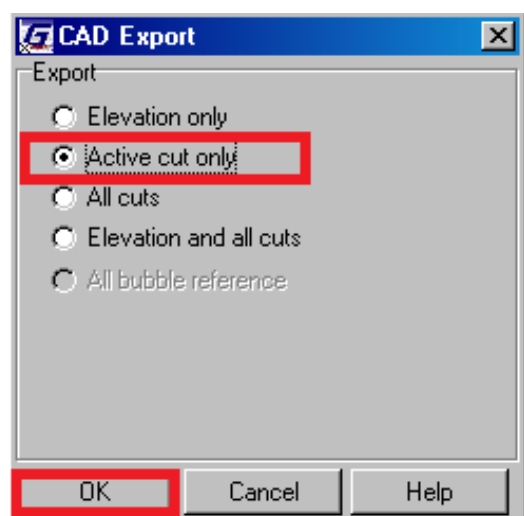
WE CAN DO A FEW THINGS WITH THIS CAD DRAWING, BUT IF WE WANT TO JUST PRINT WHAT WE CAN SEE WE CAN CLICK ONTO THE PRINT BUTTON AS SHOWN IN THE RED BOX BELOW. CLICK ON THIS BUTTON NOW.



WE HAVE SEVERAL OPTIONS FOR PRINTING THESE DRAWINGS,

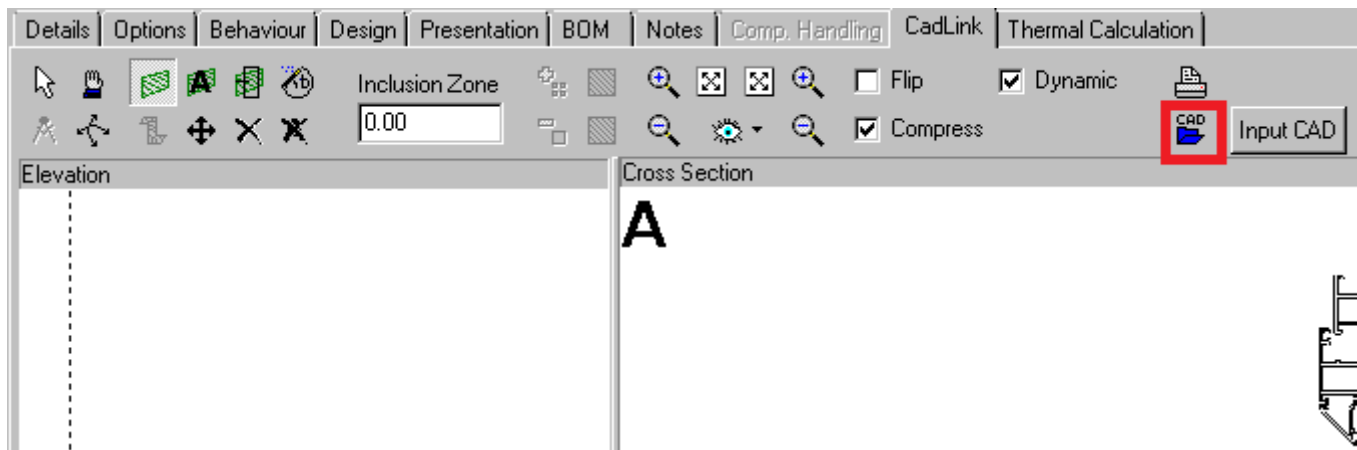
- 1) ELEVATION - THIS PRINTS THE FRAME DRAWINGS
- 2) ACTIVE CUT – THIS OPTION WILL PRINT JUST THE SECTION THROUGH THAT IS SHOWN ABOVE
- 3) ALL CUTS – IF YOU HAVE CREATED MORE THAN ONE CUT THROUGH THIS WILL PRINT ALL OF THEM FOR THIS ONE FRAME
- 4) ELEVATIONS AND ALL CUTS – THIS WILL PRODUCE THE DRAWINGS AND ALL CUTS

FOR OUR EXAMPLE JUST CHOOSE ACTIVE CUT AND CLICK OK. PLEASE BE AWARE THAT YOU WONT ACTUALLY SEE WHAT IS HAPPENING AS IT WILL BE SENT STRAIGHT TO THE PRINTER (IF ONE IS CONNECTED)

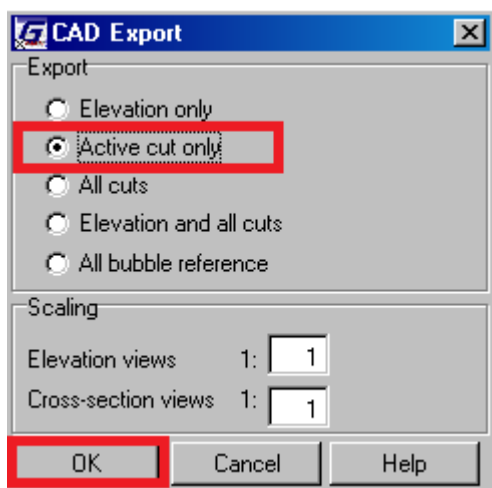


ANOTHER OPTION WE HAVE IS SAVING THE CUTS FOR USE IN AUTOCAD.

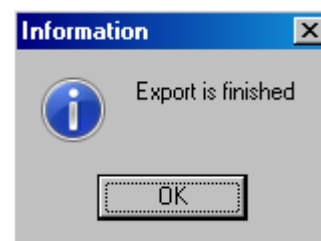
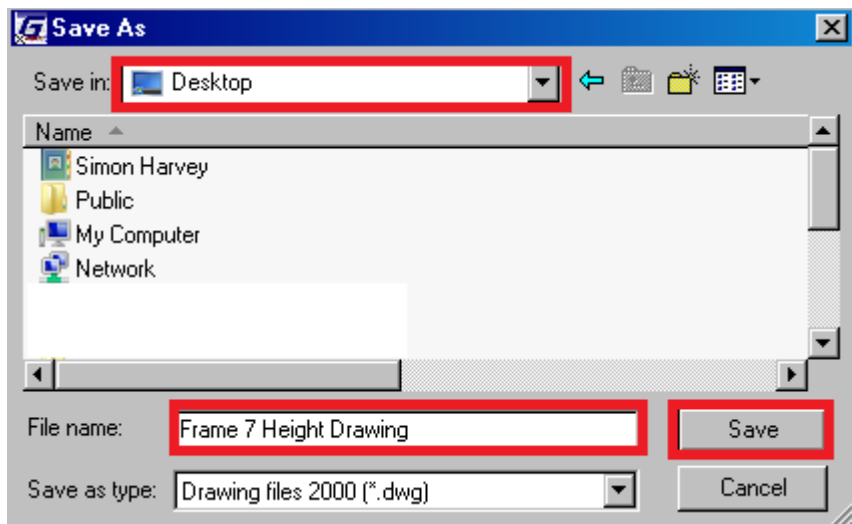
CLICK ONTO THE BLUE CAD BUTTON AS SHOWN IN THE RED BOX BELOW.



THIS BOX FOLLOWS THE SAME EXPLANATION AS BEFORE AND SHOULD BE SELF EXPLANATORY. CLICK ON ACTIVE CUT ONLY FOR THIS EXAMPLE AND CLICK OK.



TO MAKE IT EASIER TO FIND I WOULD RECOMMEND SAVING ONTO YOUR DESKTOP AND RENAINING THE FILE TO SOMETHING MORE RELEVANT. NOW CLICK ONTO SAVE. "EXPORT IS FINISHED" WILL APPEAR ONCE IT IS SAVED AND CLICK OK ON THAT BOX TOO.



U VALUES

ANOTHER TAB ON THE MIDDLE SECTION IS THERMAL CALCULATIONS THESE ARE “U VALUES”. WE ARE CURRENTLY WORKING THROUGH AS MANY COMBINATIONS OF FRAMES AS POSSIBLE AND GENERALLY MOST POLYAMIDE FRAMES HAVE ALREADY BEEN DONE. IF WE HIGHLIGHT FRAME 4 IN THE LEFT HAND SIDE AS SHOWN BELOW AND THEN SWITCH TO THE THERMAL CALCULATION TAB, YOU WILL SEE A NEW SCREEN. PROVIDING THAT ALL OF THE FRAME SECTIONS HAVE BEEN CALCULATED BY US YOU WILL INSTANTLY GET A U VALUE OF THE FRAME.

THERE ARE A LOT OF VARIABLES THAT YOU NEED TO TAKE INTO ACCOUNT INCLUDING CENTRE PANE VALUE OF THE GLASS ETC SO WE CANNOT GO INTO THAT AT THIS STAGE.

IF YOU HAVE AN INTEREST IN THIS AREA PLEASE LET US KNOW AND WE CAN PROVIDE A MORE COMPREHENSIVE MANUAL JUST FOR U VALUES.

The screenshot displays the 'Genesis Estimating Software from Comar Architectural Aluminium Systems' interface. The 'Thermal Calculation' tab is active, showing a window with dimensions: Height (mm) 986.00, Width (mm) 2000.00, and Area (m²) 1.9720. The 'Uf-System1' is selected, and the 'U Value' is calculated as 1.6599 W/m².K. The 'Transmission of Glazing' table shows a total transmission of 1.7125 W/K. The 'Transmission junctions structure - Glazing' table shows a total transmission of 0.0000 W/K. The 'Transmission of structure' table shows a total transmission of 1.6639 W/K. The 'Total transmission (W/K)' is 3.3764.

Code	Width	Height	Quantity	Coeff area	Area	Transmission (W/K)
6-16-6 FL	881.500	408.000	1	1.1000	0.3597	0.3956
6-16-6 FL	881.500	408.000	1	1.1000	0.3597	0.3956
6-16-6 FI	948.500	441.500	1	1.1000	0.4188	0.4606

Code	Width	Height	Quantity	Coeff linear	Perimeter	Transmission (W/K)
6-16-6 FL	881.500	408.000	1	0.0000	2.5790	0.0000
6-16-6 FL	881.500	408.000	1	0.0000	2.5790	0.0000
6-16-6 FI	948.500	441.500	1	0.0000	2.7800	0.0000

Class	Combination	Length	Lf	Coeff area	Area	Transmission (W/K)
C5Pi 60mm Window System	CS 434	493.000	49.000	3.3600	0.0242	0.0812
C5Pi 60mm Window System	CS 434	1000.000	49.000	3.3600	0.0490	0.1646
C5Pi 60mm Window System	CS 434	1000.000	49.000	3.3600	0.0490	0.1646
C5Pi 60mm Window System	CS 434	493.000	49.000	3.3600	0.0242	0.0812
C5Pi 60mm Window System	CS 434:CS 436	1000.000	82.500	3.4800	0.0825	0.2871
C5Pi 60mm Window System	CS 434:CS 436	1000.000	82.500	3.4800	0.0825	0.2871

FINALISING THE QUOTE

OK WE HAVE ADDED 7 FRAMES AND JUST AS AN EXAMPLE WE HAVE SEEN HOW TO CHANGE DESCRIPTIONS, LOOKED QUICKLY AT THE AUTOCAD SIDE AND THE U VALUES.

WE ARE NOW GOING TO FINISH THE QUOTE AND PRINT OUT SOME REPORTS.

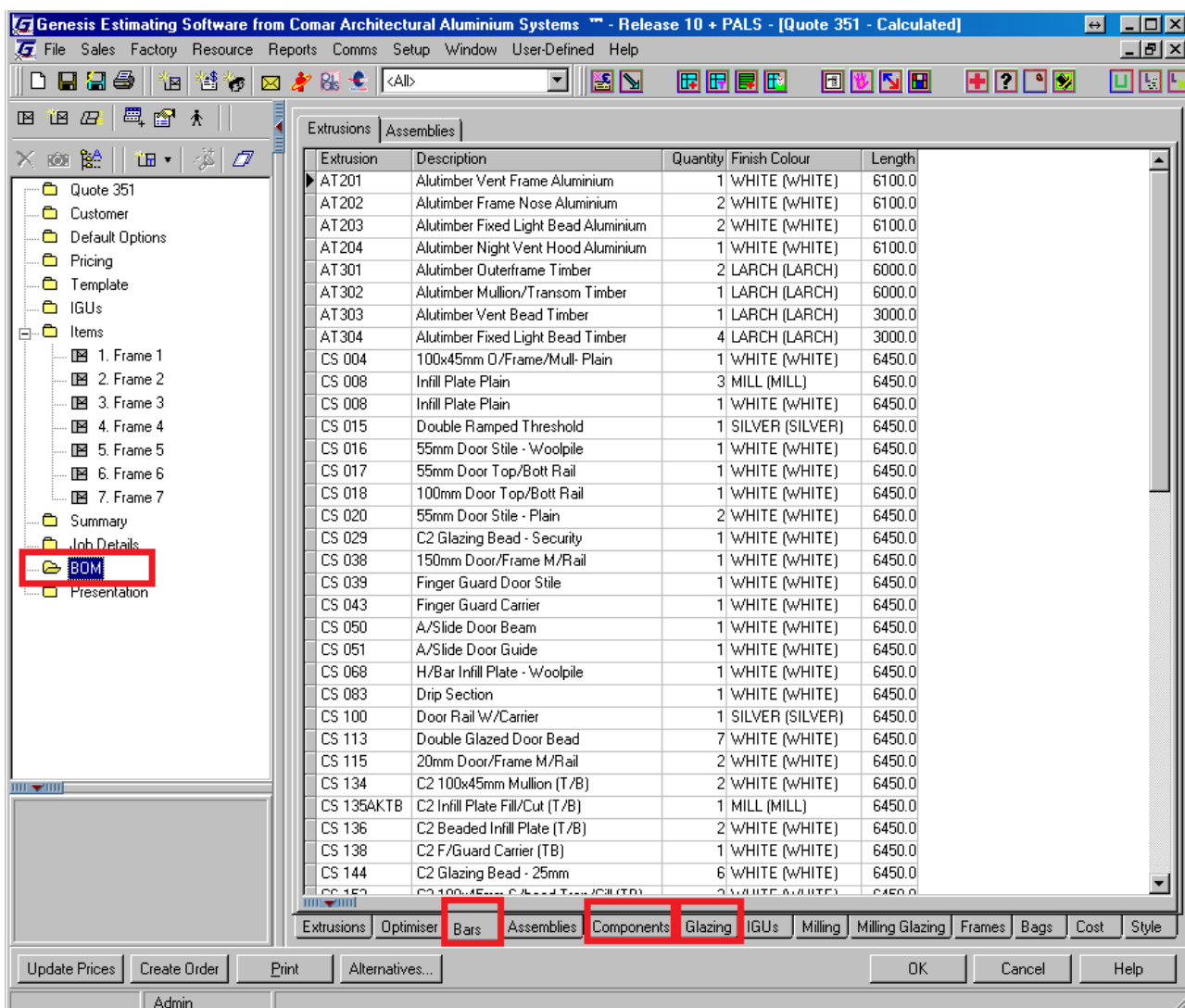
THE PROGRAM WILL COME SETUP WITH EXTRUSIONS AND COMPONENTS AND WILL GIVE YOU GLASS SIZES AND CUTTING LISTS. WE MAY HAVE ALSO SET UP THE DISCOUNTS THAT YOU RECEIVE AS A COMPANY FROM US, BUT THIS NEEDS TO BE SETUP ONE IN THE DATABASE AND DOESN'T NEED TO BE INCLUDED IN THIS BASIC MANUAL.

WHAT WE WILL NEED TO ALSO LOOK AT LATER WILL BE ADDING IN FABRICATION LABOUR, GLASS PRICES AND YOUR OVERHEAD AND MARKUP THAT YOU WOULD LIKE TO APPLY TO THE QUOTE.

IF WE LOOK AGAIN DOWN THE LEFT HAND SIDE OF THE SCREEN (UNDER THE 7 ITEMS THAT WE HAVE CREATED) WE CAN SEE ANOTHER BOM TAB. EARLIER WE SHOWED YOU THE BOM TAB ALONG THE TOP AND THIS WAS RELEVANT TO THE FRAME THAT YOU HAD HIGHLIGHTED ONLY.

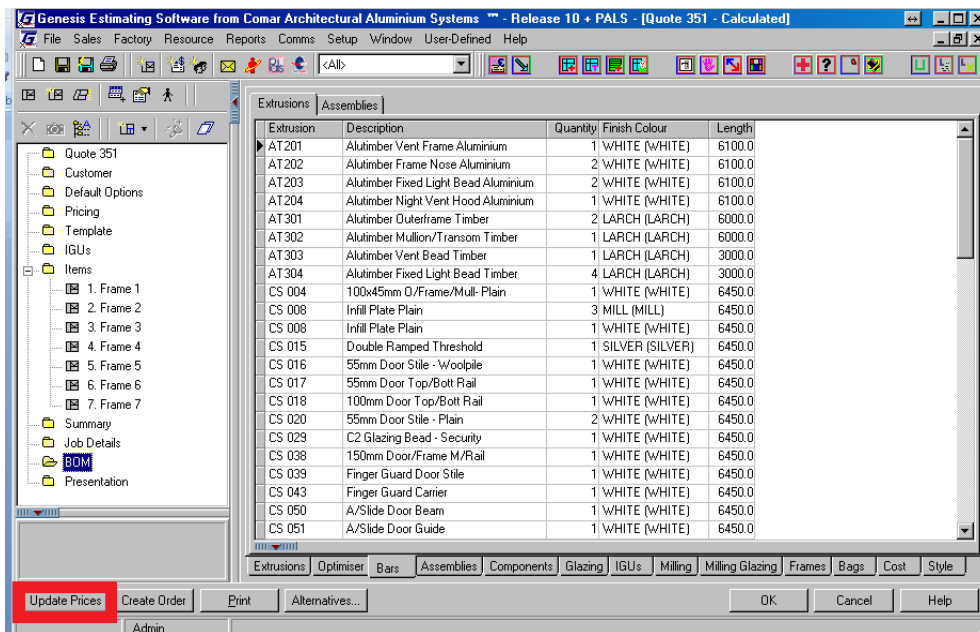
THE BOM DOWN THE LEFT HAND SIDE SHOWS THE BILL OF MATERIALS, EXTRUSIONS, COMPONENTS AND GLASS FOR ALL OF THE ITEMS IN THE QUOTE. CLICK ONTO THIS BOM TAB AND THEN SWEEP THE TABS AT THE BOTTOM UNDER THE EXTRUSIONS TO SWITCH THROUGH TO HAVE A LOOK

AGAIN THIS ISN'T SOMETHING YOU HAVE TO DO EVERYTIME BUT WE ARE JUST FINDING OUR WAY AROUND THE SCREEN.

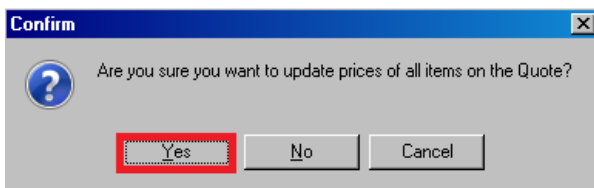


OK SO WE ARE GOING TO SHUT DOWN THE QUOTE NOW, BUT THERE IS ONE FINAL THING THAT WE MUST ALWAYS DO BEFORE SHUTTING DOWN.

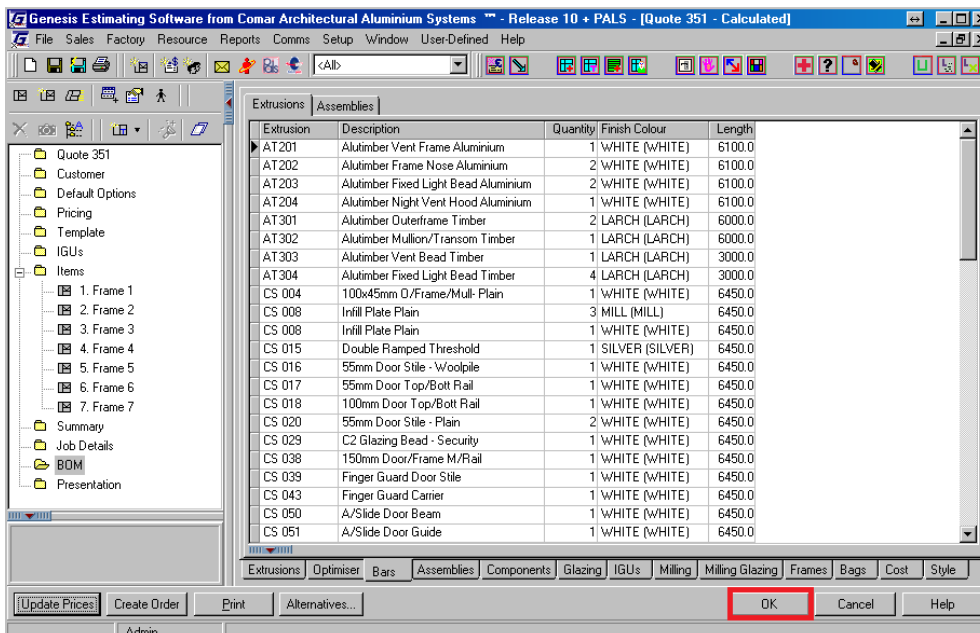
ALWAYS CLICK THIS BUTTON BEFORE FINALISING A QUOTE



CONFIRM THAT YOU WANT TO UPDATE THE PRICES BY CLICKING YES.



OK NOW CLICK OK TO EXIT THE QUOTE AS SHOWN BELOW (BOTTOM OF SCREEN)



YOU MAY NOTICE THE STATUS BAR OF THE SAVING AT THE BOTTOM OF THE SCREEN.



PRINTING OUT REPORTS

AT THE TOP OF THE SCREEN YOU WILL SEE THE TOOLBAR SET OF BUTTONS, ONE OF THEM IS A PRINTED BUTTON; THIS CONTAINS MOST OF OUR CUSTOMISED REPORTS. CLICK ONTO THIS BUTTON



HOPEFULLY THE TABS ALONG THE TOP WILL BE SELF EXPLANATORY.



WE WILL PRINT OUT A PURCHASE ORDER WHICH WILL LIST OF THE MATERIALS.

- 1) CLICK ONTO THE ORDERING TAB
- 2) TICK THE PURCHASE ORDER TICK BOX
- 3) CLICK ONTO PREVIEW (THIS MEANS THAT WE WILL GET TO SEE IT FIRST BEFORE PRINTING)
- 4) QUOTE NUMBER (SEE FURTHER BELOW FOR THIS).
- 5)

Comar Architectural Aluminium Systems Report Menu

Type or Search Quote Number

Search

☒ Click Preview Report

Quote Reports

Presentation Reports

Ordering Reports

Survey Reports

Glass Reports

Optimised Cutplan

Fabrication Reports

U Values Reports

Windload Reports

Favourites

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

the Parkside group

☒ Purchase Order Port

☐ Landscape Costed B

☐ Non Costed BOM

☐ Spare

☐ Cut Bar Paint List

☐ Full Bar Paint List

☐ Delivery Installation

☐ Order Confirmation

☐ Caldwell Order Form

☐ Spare

☐ Spare

☐ Spare

OK Cancel

IF WE KNOW THE QUOTE NUMBER YOU CAN TYPE IT INTO THE BOX, IF NOT WE CAN SEARCH FOR IT USING THE BUTTON SHOWN IN THE RED BOX BELOW. CLICK ONTO SEARCH

Comar Architectural Aluminium Systems Report Menu

Type or Search Quote Number

Search

☒ Click Preview Report

Quote Reports

Presentation Reports

Ordering Reports

Survey Reports

Glass Reports


Optimised Cutplan


Fabrication Reports

U Values Reports

Windload Reports

Favourites





☒ Purchase Order Port

☐ Landscape Costed B

☐ Non Costed BOM

☐ Spare

☐ Cut Bar Paint List

☐ Full Bar Paint List

☐ Delivery Installation

☐ Order Confirmation

☐ Caldwell Order Form

☐ Spare

☐ Spare

☐ Spare

OK Cancel

WHEN THE BOX COMES UP FIND THE QUOTE THAT YOU HAVE CREATED, HIGHLIGHT IT AND THEN CLICK OK.

Quote Pick List

Search (Quote Number):

Family 1 2 3 4 A

All Families

Quoting

Drawing

Survey

Cutting Lists

Completion

Prefix	Quote Number	Suffix	Quote Title
SH	352		C7Pi double and single doors, locks change based on height
SH	351		Burger King
SH	350		C7Pi Midrail Options

OK

Cancel

YOU WILL SEE THAT THERE IS NOW A QUOTE NUMBER IN THE BOX AND WE CAN NOW CLICK OK.

Type or Search Quote Number

170

Search

☒ Click Preview Report

Quote Reports

Presentation Reports

Ordering Reports

Survey Reports

Glass Reports

Optimised Cutplan

Fabrication Reports

U Values Reports

Windload Reports

Favourites


☒ Purchase Order Portals

☐ Landscape Costed BOM

☐ Non Costed BOM

☐ Spare

☐ Cut Bar Paint List

☐ Full Bar Paint List

☐ Delivery Installation

☐ Order Confirmation

☐ Caldwell Order Form

☐ Spare

☐ Spare

☐ Spare

OK

Cancel

Costed BOM Report

Page No: 1 **PURCHASE ORDER** Date/Time: 24/02/2012 13:12:43

Quote Title: *Buger King*
 Quote No: *SH-351- -Ver 7*
 Cust Name: *Do Not Delete*
 Job Ref:
 Finish: *[COL:COMAR.WHITE (WHITE;*
 Deliv Date:
 Other:

To: *The Parkside Group Ltd
 Unit 5, The Willow Centre,
 17 Willow Lane
 Mitham
 Surrey
 CR4 4NX
 Telephone : 020 8685 9885
 Comar Direct Fax Order Line: 0208 685 0800*

Delivery Address (If different than Company Address):

From:

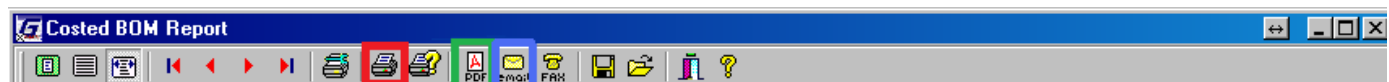
Finish Specification:			Marine Guarantee Required ?		Order No:	Date:
Finish 1 (Specify)	Finish 2 (Specify)	Finish 3 (Specify)	Yes	No		
<i>Matt-Satin - Gloss</i>	<i>Matt-Satin - Gloss</i>	<i>Matt-Satin - Gloss</i>				

Part Code	QtyBar*	Description	Discount	Cost *
AT201	1	<i>Alutimber Vent Frame Aluminium</i> Length: 6,100 mm Box Qty: 10 Finish: WHITE	0 %	£62.95
AT202	2	<i>Alutimber Frame Nose Aluminium</i> Length: 6,100 mm Box Qty: 10 Finish: WHITE	0 %	£66.36
AT203	2	<i>Alutimber Fixed Light Bead Aluminium</i> Length: 6,100 mm Box Qty: 10 Finish: WHITE	0 %	£23.06
AT204	1	<i>Alutimber Night Vent Hood Aluminium</i> Length: 6,100 mm Box Qty: 10 Finish: WHITE	0 %	£39.96
AT301	2	<i>Alutimber Outerframe Timber</i> Length: 6,000 mm Box Qty: 10 Finish: LARCH	0 %	£240.38
AT302	1	<i>Alutimber Mullion/Transom Timber</i> Length: 6,000 mm Box Qty: 10 Finish: LARCH	0 %	£168.89
AT303	1	<i>Alutimber Vent Bead Timber</i> Length: 3,000 mm Box Qty: 10 Finish: LARCH	0 %	£25.64
AT304	4	<i>Alutimber Fixed Light Bead Timber</i> Length: 3,000 mm Box Qty: 10 Finish: LARCH	0 %	£89.12

Page 1 of 11

AT THE TOP OF THE REPORT YOU HAVE A TOOLBAR WITH SEVERAL OPTIONS AS SHOWN BELOW

THE BUTTON WITH THE RED BOX IS FOR PRINTING DIRECT TO THE PRINTED
 THE BUTTON WITH THE GREEN BOX IS FOR CREATING AN SAVING A PDF OF THE REPORT
 THE BUTTON WITH THE BLUE BOX WILL CREATE A PDF OF THE REPORT AND WILL ATTACH IT TO AN EMAIL.



WHEN YOU HAVE FINISHED LOOKING AT THE REPORT CLICK THE CLOSE BUTTON AS SHOWN BELOW.

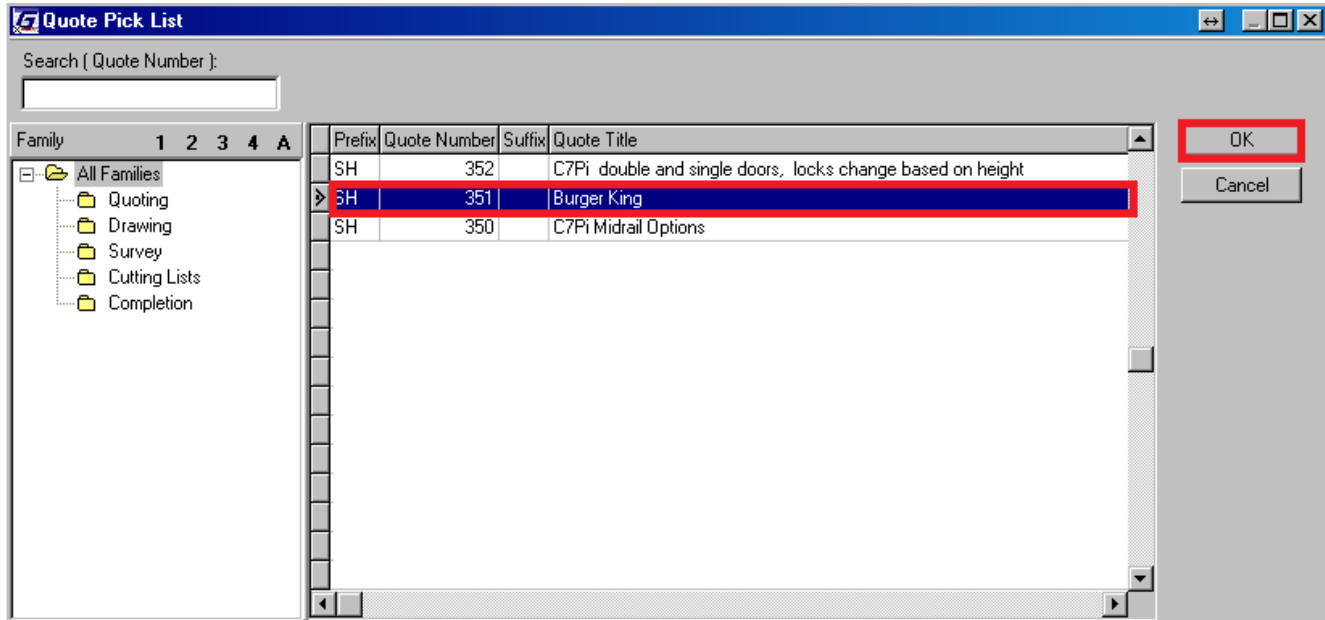


EDITING/CHANGING AN EXISTING QUOTE

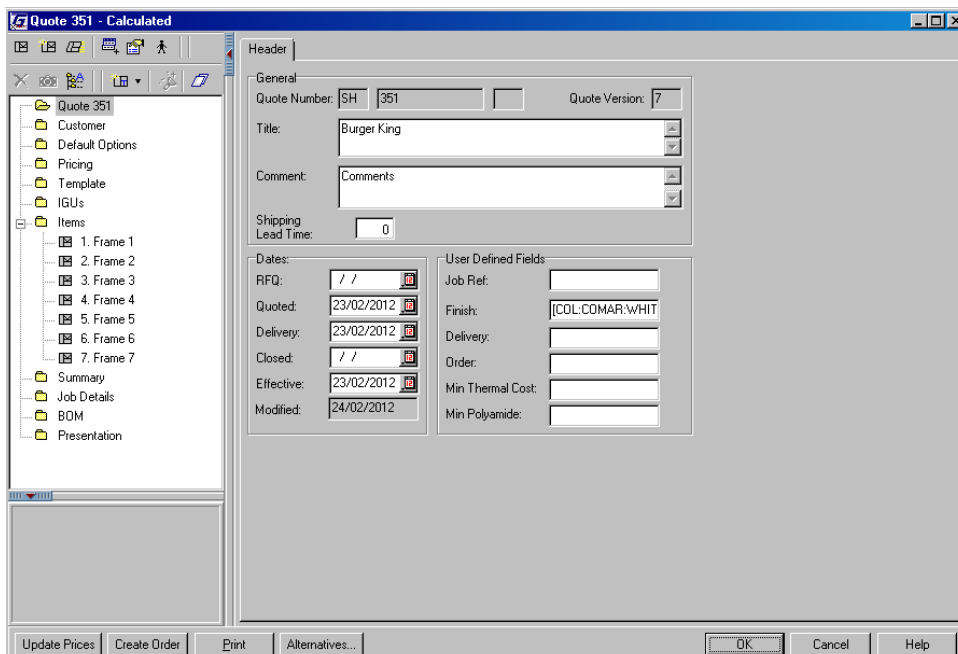
IF YOU NEED TO GO BACK INTO A QUOTE, CLICK ONTO THE EDIT EXISTING QUOTE BUTTON



THE BELOW SCREEN WILL APPEAR, CHOOSE THE RELEVANT QUOTE FROM THE LIST AND THEN CLICK OK.



YOU ARE NOW BACK INTO THE QUOTE AND CAN CHANGE THE ITEMS OR ADD MORE, AFTER YOU HAVE MADE CHANGES ALWAYS REMEMBER CLICK UPDATE PRICES BUTTON BEFORE FINALISING A QUOTE



WELL DONE, YOU HAVE COMPLETED THE BASIC ECO WINDOW MANUAL