



genesisplus+

2018



PROJECT DRAWINGS

Module 3: Manual Project Drawings

LEVEL: INTERMEDIATE

Genesis Release 18

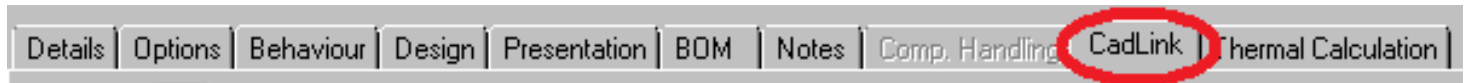
CADLINK

PLEASE FOLLOW THE BASIC TRAINING MANUAL PRIOR TO USING THIS MANUAL

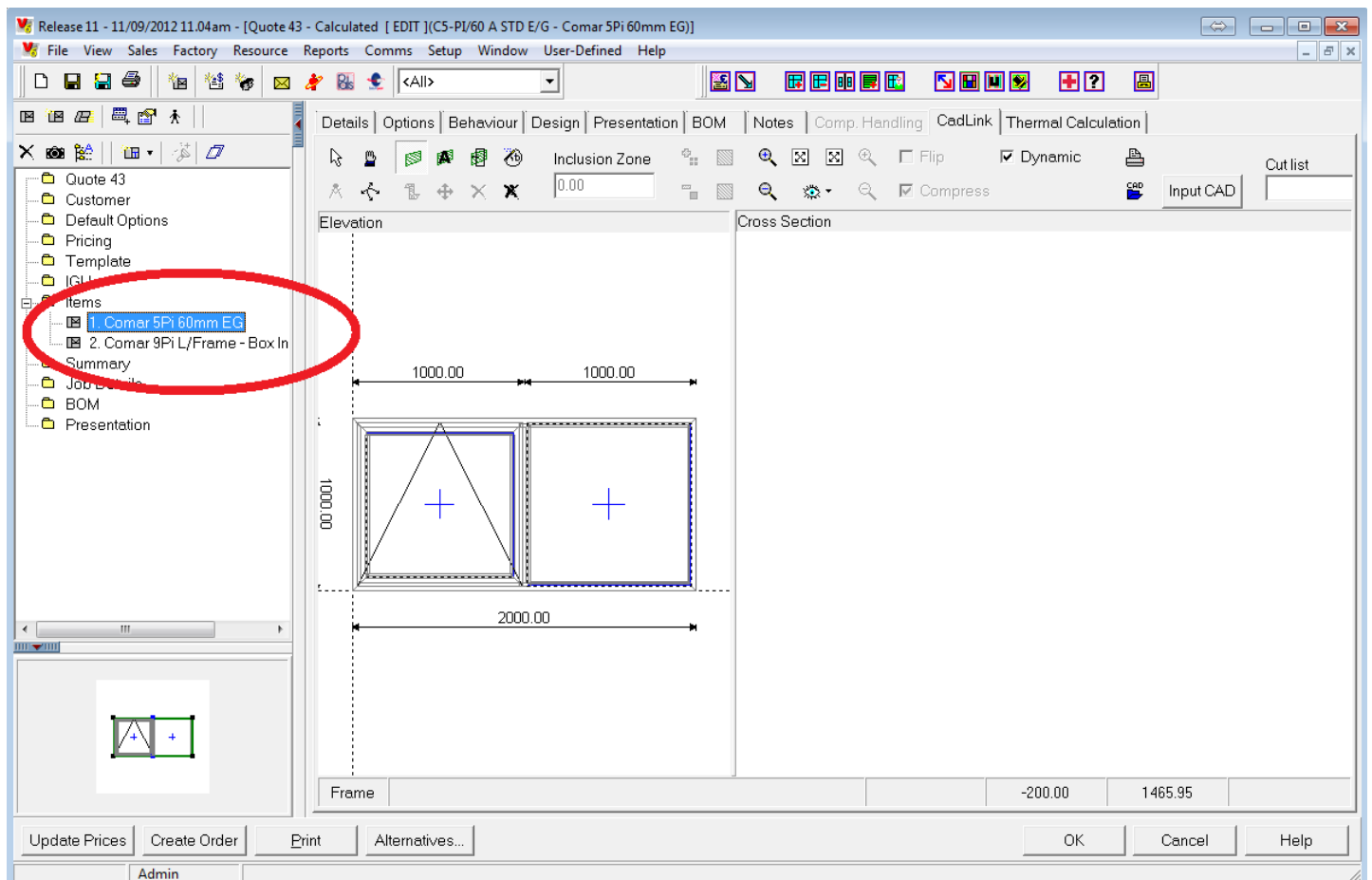
ONCE YOU HAVE BUILT YOUR FRAMES WE CAN CREATE SECTION THROUGH DETAILS. GENESIS HAS A FACILITY CALLED "CADLINK", THIS ALLOWS YOU TO TAKE A SWIPE THROUGH OF ANY SECTION AND CREATE A CAD DRAWING OF IT.

I HAVE CREATED TWO FRAMES IN MY QUOTE SO WHILST WORKING THROUGH THIS YOU MAY NEED TO USE DIFFERENCE SCALES AND YOUR DRAWINGS MAY LOOK DIFFERENT.

FROM THE DESIGN SCREEN YOU SHOULD BE ABLE TO SEE THE CADLINK SCREEN, PLEASE CLICK ONTO THIS.

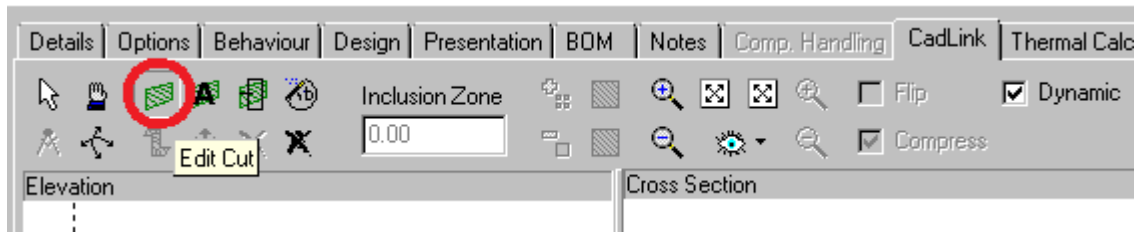


YOU WILL SEE THE TWO FRAMES THAT I HAVE IN MY QUOTE DOWN THE LEFT HAND SIDE, I CAN CLICK BETWEEN THESE AND THE DRAWING IN THE CADLINK SCREEN CHANGES TO SHOW THE NEW DRAWING. I HAVE HIGHLIGHTED THE FIRST SCREEN AND WILL WORK ON THIS SCREEN.

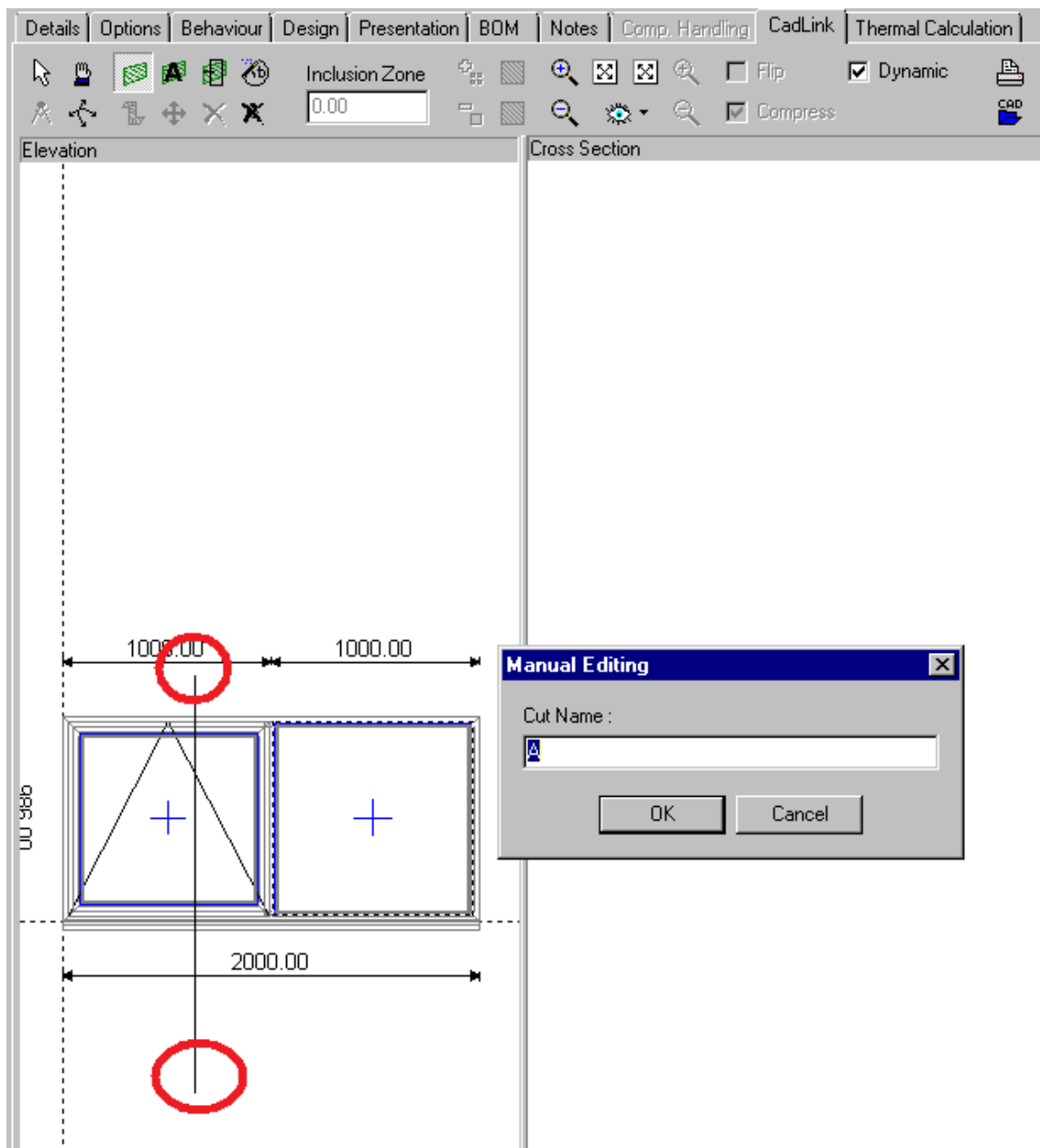


TO START WITH I AM GOING TO MANUALLY CREATE SECTION THROUGH DRAWINGS AS IT IS USEFUL TO PRODUCE JUST ONE QUICK DRAWING.

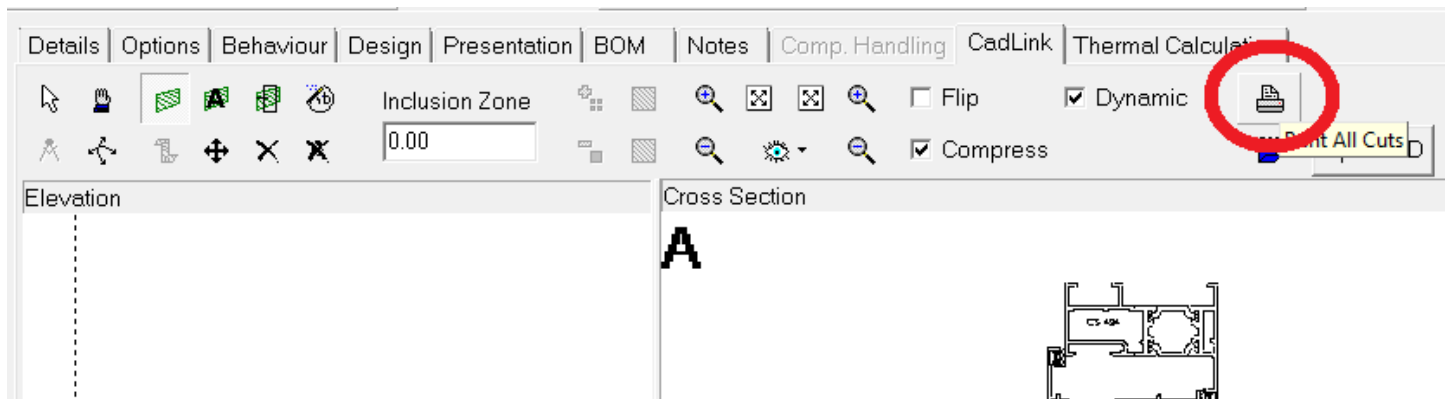
WE USE THE EDIT CUT BUTTON FOR THIS. CLICK ONTO THIS BUTTON SO THAT IT IS PRESSED IN (AS SHOWN) – AS DEFAULT IT MAY ALREADY BE PRESSED IN ON YOUR SCREEN. IF YOU ACCIDENTLY UNCLICK IT THEN SIMPLY CLICK BACK ONTO IT AGAIN.



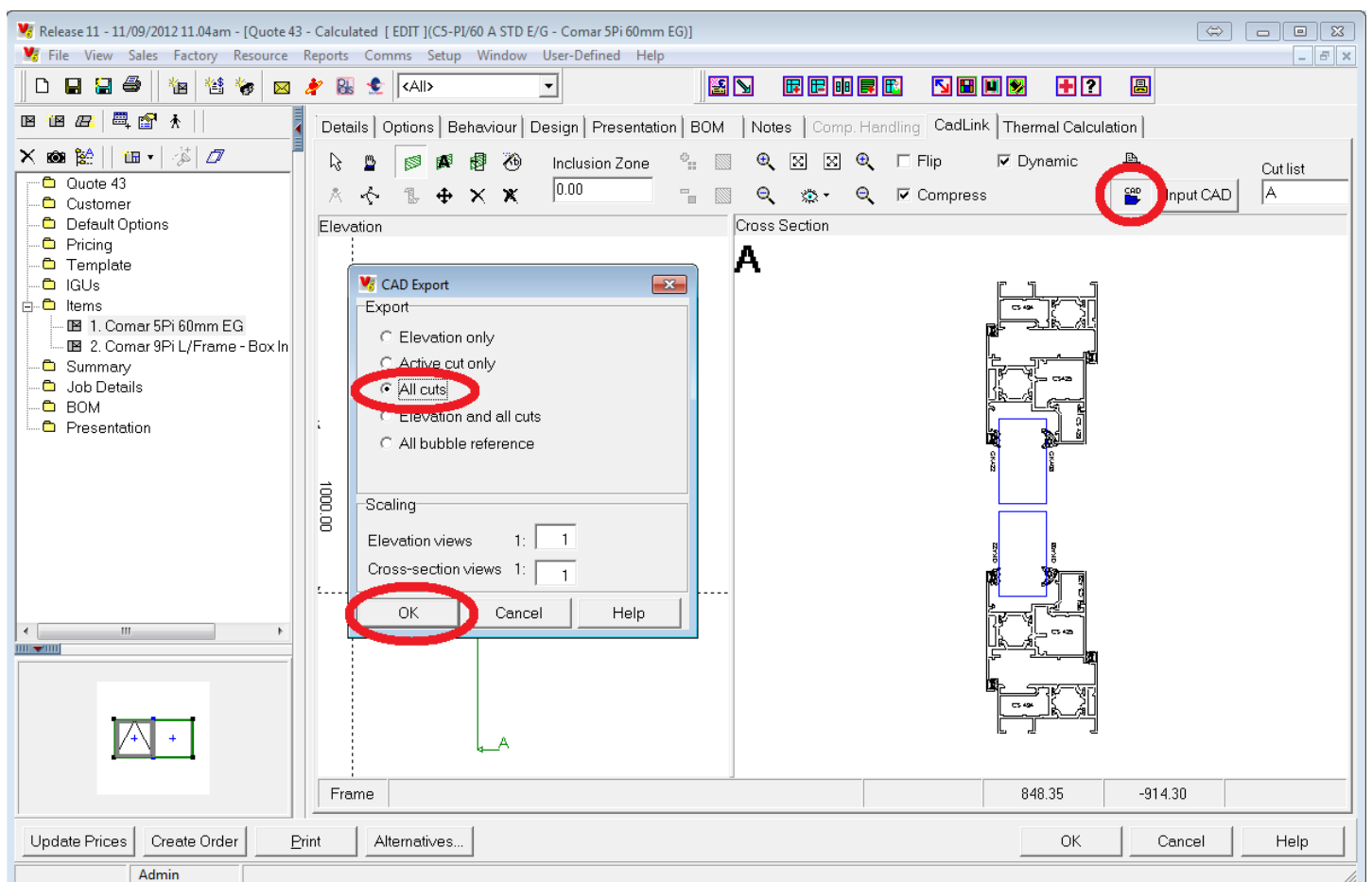
USING YOUR MOUSE TAKE THE POINTER TO THE TOP OF THE FRAME AND NOW WITH THE LEFT HAND MOUSE BUTTON HELD DOWN, DRAG THE LINE THROUGH TO THE BOTTOM OF THE FRAME AND THEN LEFT GO OF THE MOUSE BUTTON. A CUT NAME BOX WILL SHOW UP, CLICK OK ON THIS BUTTON TO CONFIRM THE CUT.



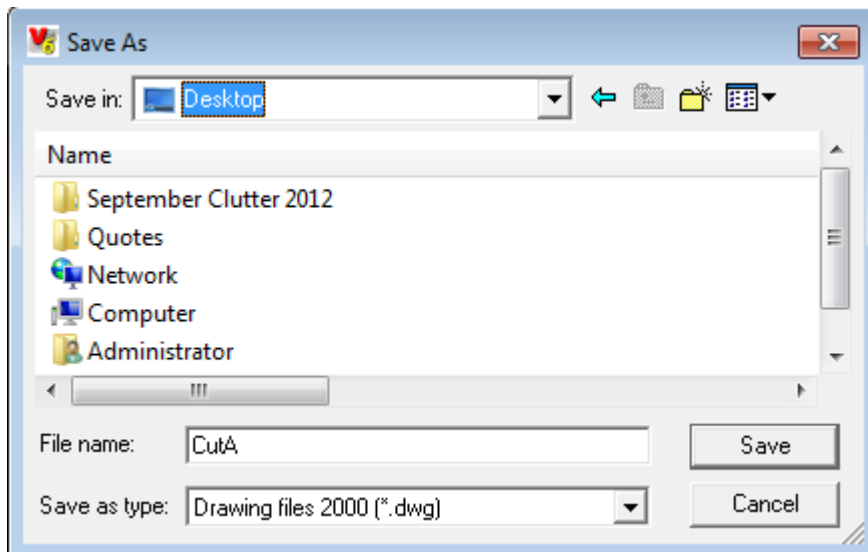
USING THE MOUSE WE CAN CREATE ANOTHER CUT BY USING THE POINTER AND DRAGGING THIS THROUGH ANOTHER SECTION. AT THIS POINT WE CAN CLICK ONTO THE PRINT BUTTON AND THIS WILL QUICKLY PRINT OUT THE CUTS THAT YOU HAVE CREATED.



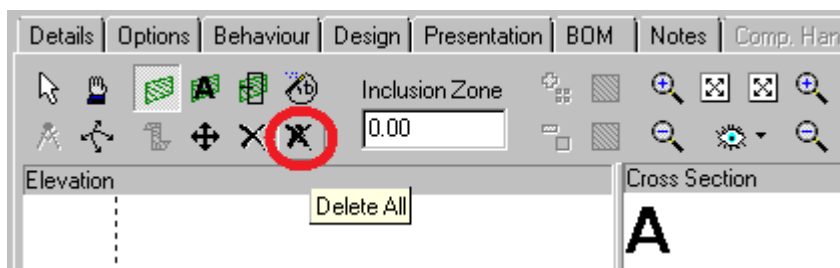
WE CAN ALSO SAVE THE DRAWINGS ONTO YOUR COMPUTER WHICH CAN THEN BE EMAILED LATER. TO DO THIS CLICK ONTO THE BLUE CAD BUTTON, THIS WILL BRING UP A BOX WHERE YOU CAN CHOOSE TO SAVE ALL THE CUTS OR JUST THE ACTIVE CUT THAT YOU ARE LOOKING AT.



ONCE YOU HAVE CLICKED OK YOU CAN CHOOSE TO SAVE THEM IN A FOLDER, YOU CAN RENAME THEM IF YOU WISH AND ONCE YOU HAVE CLICKED SAVE , THE BOX WILL COME UP AGAIN IF THERE IS MORE THAN ONE CUT AND YOU CAN SAVE THESE TOO.



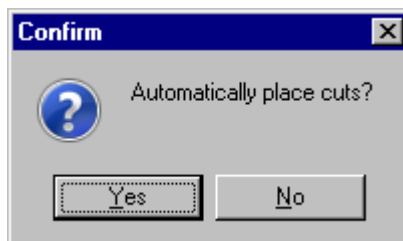
YOU CAN USE THE DELETE ALL BUTTON TO WIPE ALL OF THE SECTION THROUGHS AND WE CAN THEN BEGIN AGAIN.



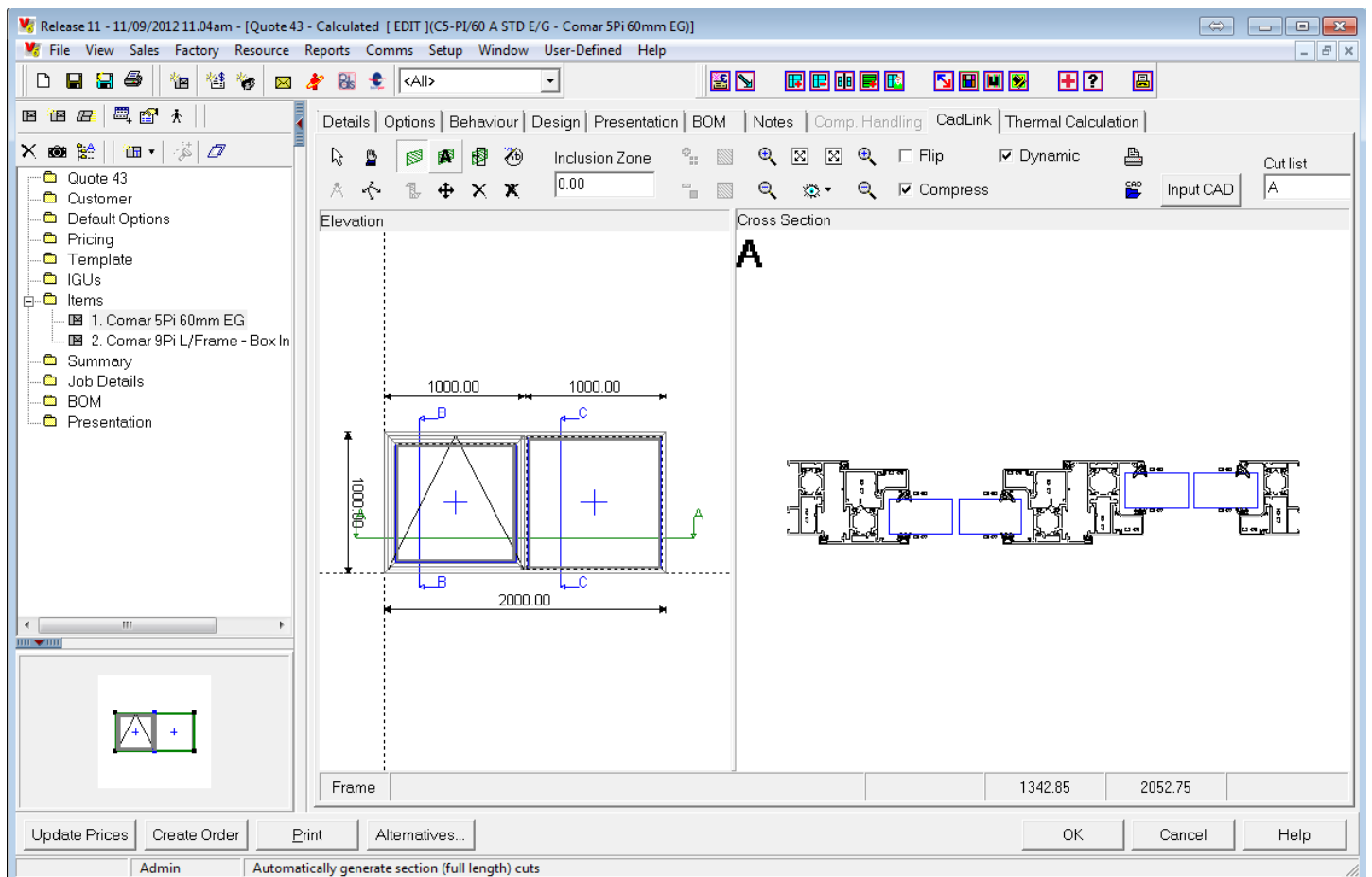
ANOTHER WAY TO CREATE CUTS IS TO USE THE AUTOMATICALLY GENERATE SECTION THROUGH CUTS, THIS WILL WORK OUT ALL OF THE UNIQUE SECTION THROUGHS AND CREATE THEM ALL WITHOUT HAVING TO SWIPE THROUGH EACH ONE WITH YOUR MOUSE.



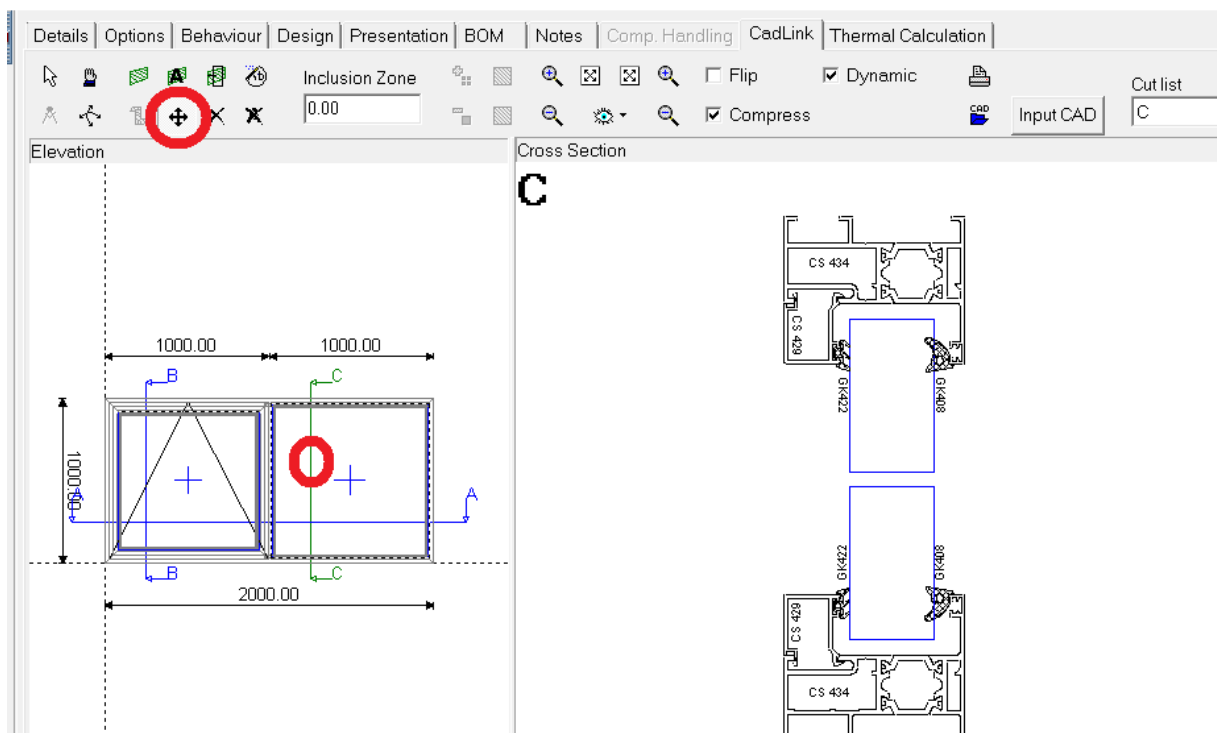
CLICK ONTO THIS BUTTON NOW AND THE FOLLOWING BOX WILL APPEAR, CLICK YES TO CONTINUE.



YOU WILL SEE THAT THE PROGRAM HAS DONE THIS FOR YOU AND SHOWS YOU THE FIRST CUT THAT IT CREATED AS A DEFAULT IN THE VIEWER BOX.



YOU CAN USE THE SELECT OR MODIFY CUT BUTTON TO VIEW THEM BY CLICKING ON THE LINE AFTER SELECTING THE TOOL FROM THE TOOLBAR (AS SHOWN).



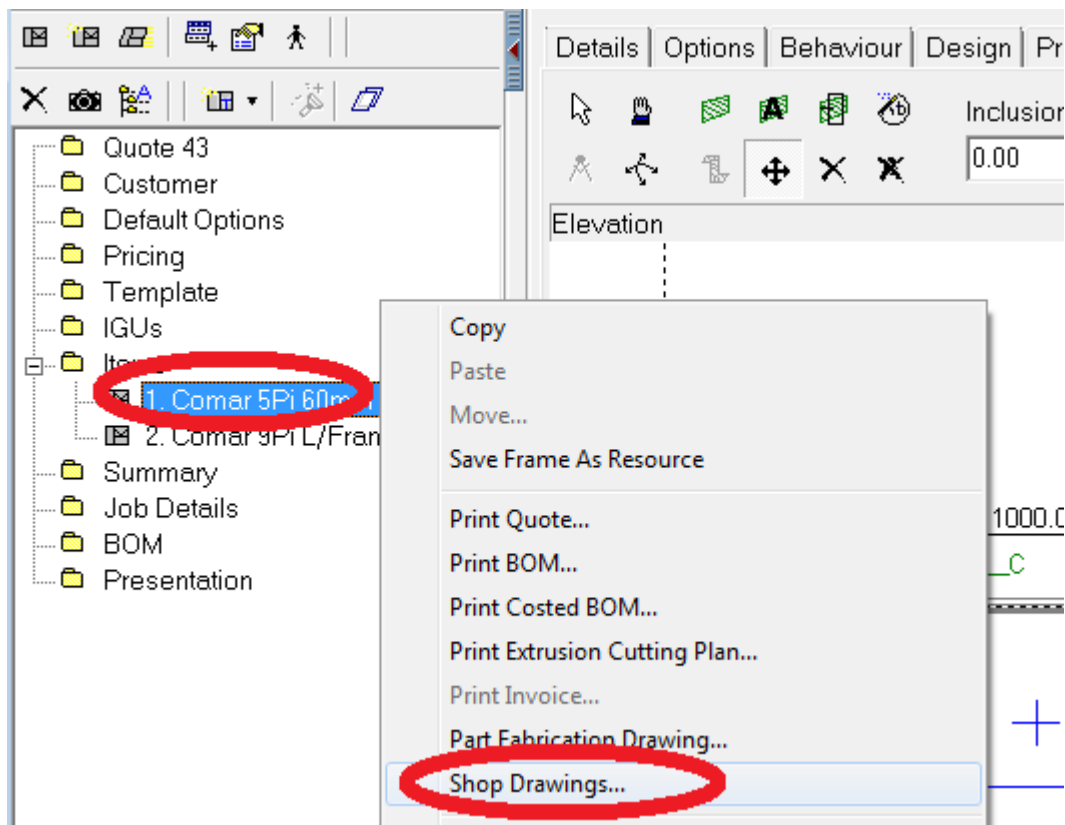
SHOPDRAWINGS

PLEASE MAKE SURE THAT YOU HAVE CREATED A QUOTE AND ADDED SOME SECTION THROUGH DRAWINGS BEFORE RUNNING THROUGH THIS.

ONCE YOU HAVE BUILT YOUR FRAMES AND CREATED SOME SECTION THROUGH DETAILS IN CADLINK WE CAN NOW USE THE NEW INBUILT SHOPDRAWINGS CAD TEMPLATES. THIS ALLOWS US TO PLACE SECTION THROUGHS AND FRAMES ONTO ONE DRAWING AND WILL THEN ALLOW YOU TO EXPORT THE COMPLETE TEMPLATE INTO AUTOCAD.

USING YOUR MOUSE HIGHLIGHT THE FIRST FRAME IN THE QUOTE ITEMS SCREEN (YOU MUST HAVE A QUOTE OPEN AT THIS STAGE).

ONCE HIGHLIGHTED, CLICK YOUR RIGHT HAND MOUSE BUTTON AND CHOOSE SHOPDRAWINGS.



THE FOLLOWING SCREEN WILL APPEAR AND THIS ALLOWS YOU TO CHOOSE AN INBUILT TEMPLATE, EXTRA TEMPLATES CAN BE ADDED AND IMPORTED INTO GENESIS.

IN MOST CASES WE CAN LEAVE THIS AS IT IS AND JUST CLICK OK.

Shop Drawings

General

Scaling / Labels

CAD Options

Output File Path:

C:\GENESIS34\ShopExport\%QUOTE_NUM%\

...

Title Block:

[COMAR : A3 TEMPLATE 1] A3 Template 1

X

...

Font Settings

Font:

Arial

AaBbYyZz

Label Size:

10

Schedule Size:

10

Dimension Size:

10

Glazing Schedule

☐ Use Shop Drawing marks on glazing

Glazing Schedule Prefix

Default Layout Scheme

☐ Blank

☒ Condensed

☐ Standard

☐ Expanded

Measurements

Imperial

Metric

Precision:

1/8"

0.5mm

Style:

Standard

Units:

Metric

☐ Break before second measurement

☒ Break before dimension text

Page Setup (mm)

Orientation

☐ Portrait

☒ Landscape

Named pages:

Width:

Height:

Margins

Top:

10.00

Bottom:

30.00

Left:

10.00

Right:

10.00

Dimension Clipping Distance

Elevation:

0.00

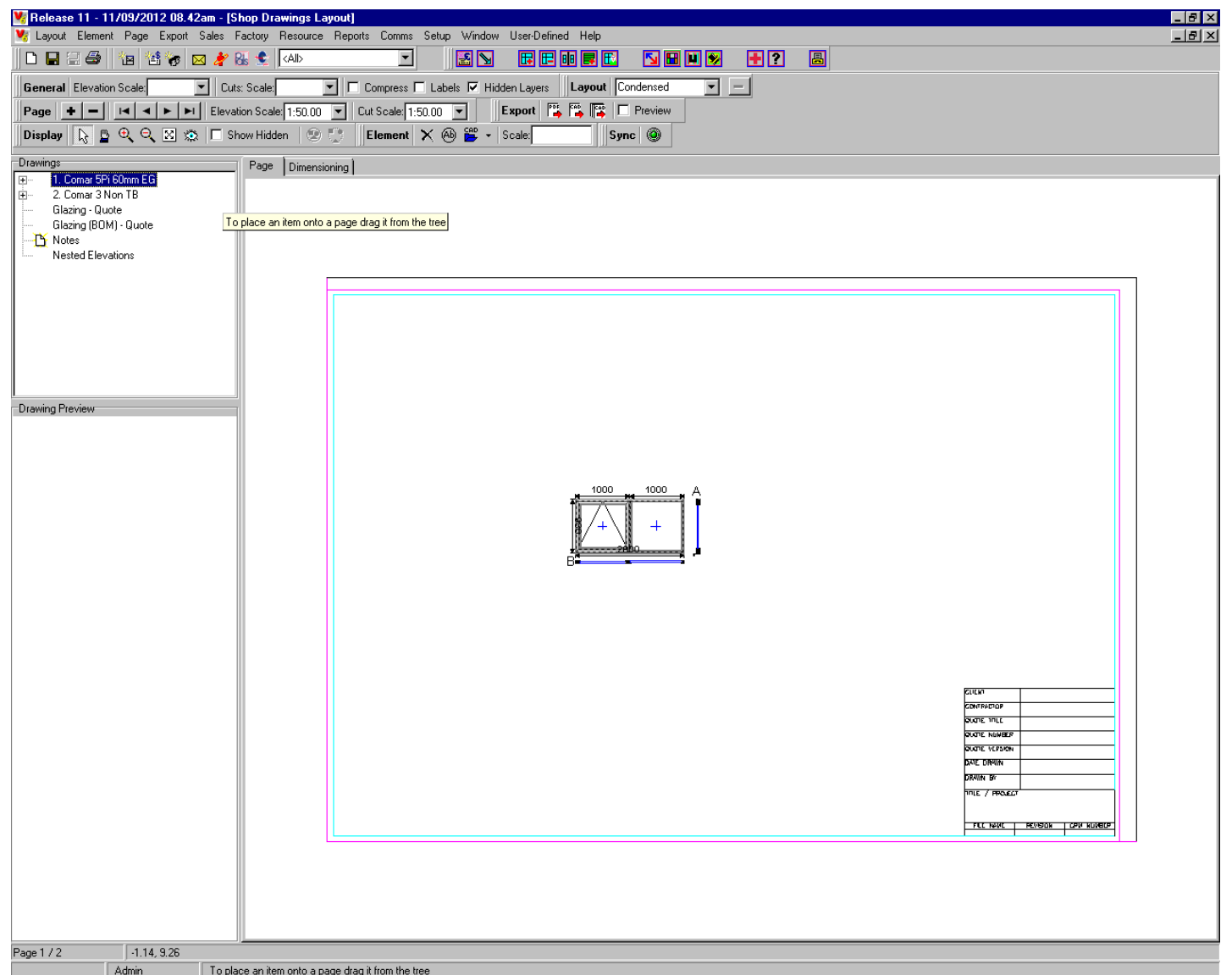
Detail Cut:

0.00

OK

Cancel

THE SHOPDRAWING SCREEN WILL NOW APPEAR. YOU WILL SEE THAT GENESIS HAS TAKEN THE FIRST FRAME AND ADDED THE SECTION THROUGH DETAILS THAT WE HAVE CREATED DIRECTLY NEXT TO THE FRAME.

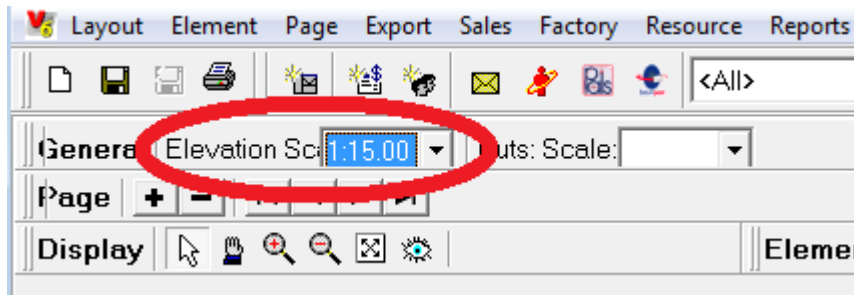


THE BUTTONS AT THE TOP ALLOW YOU TO VIEW THE SEPARATE PAGE OF EACH ITEM. FOR THIS EXAMPLE PLEASE GO BACK TO THE FIRST ITEM USING THIS BUTTON AFTER YOU HAVE LOOKED THROUGH.



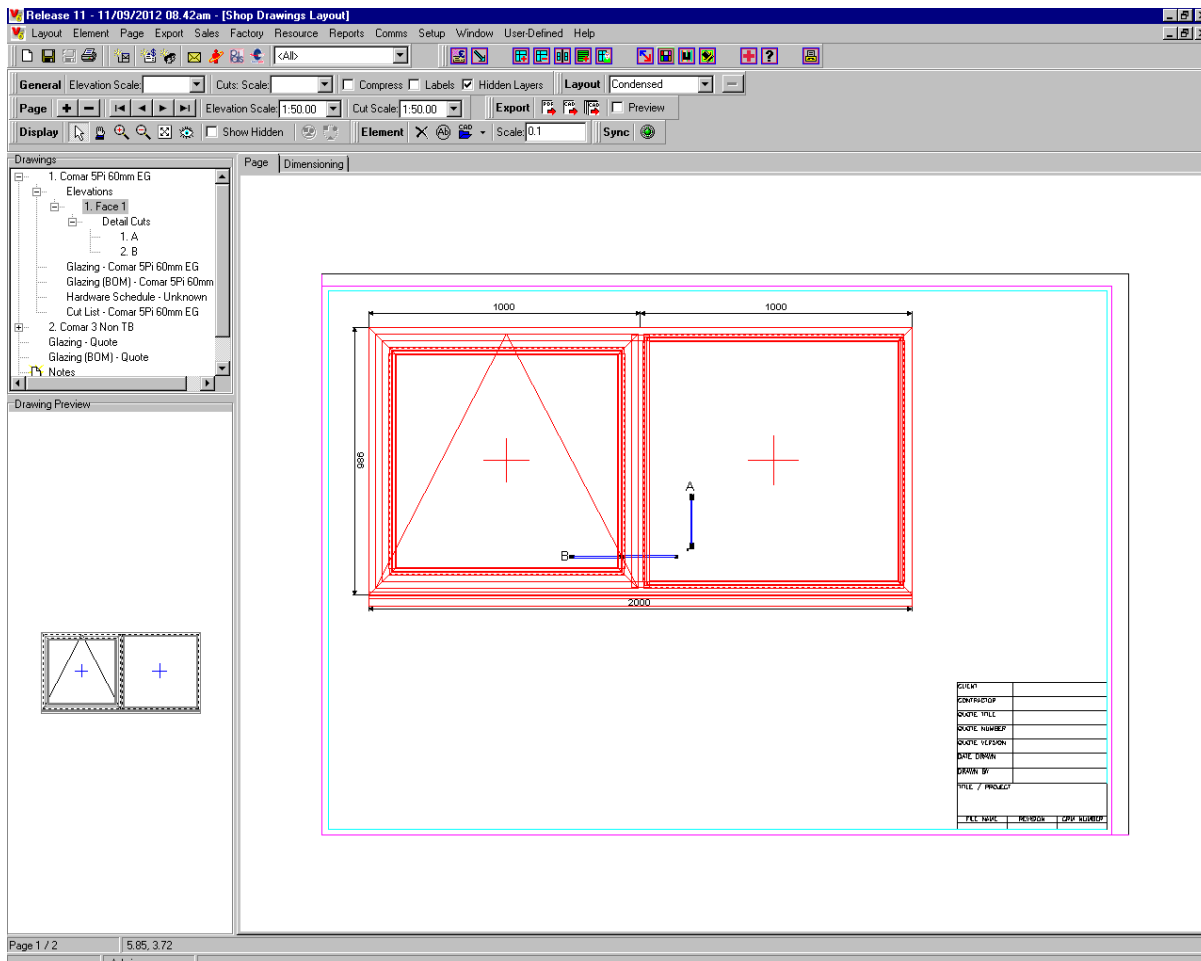
AT THE STAGE WE COULD EASILY JUST SAVE THEM ALL TO CAD DRAWINGS (AS SHOWN LATER ON IN THIS MANUAL), BUT AS AN EXAMPLE WE WILL CHANGE THE SIZES OF THE DRAWINGS SO WE CAN VIEW THEM BETTER. THIS WILL BE USEFUL IF YOU WANT TO CREATE PDF DRAWINGS AS THE SMALLER ONES ARE NOT VERY VISIBLE AT THIS STAGE.

AT THE TOP TOOLBAR YOU WILL SEE ELEVATION SCALE. FOR THIS EXAMPLE CHANGE THIS TO BE 1:15.00.



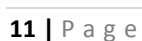
AS YOU CHANGE THIS YOU WILL SEE THAT THE FRAME DRAWING BECOMES BIGGER. YOU MAY NEED TO CHANGE THIS A FEW TIMES DEPENDING ON THE SIZE OF YOUR FRAME TO FIT IT ON THE PAGE.

YOU CAN USE YOUR MOUSE TO HIGHLIGHT THE FRAME AND MOVE IT INTO A BETTER POSITION, YOU CAN ALSO USE THE LEADING EDGES OF THE HIGHLIGHTED FRAME TO MANUALLY DRAG THIS BIGGER AND SMALLER.

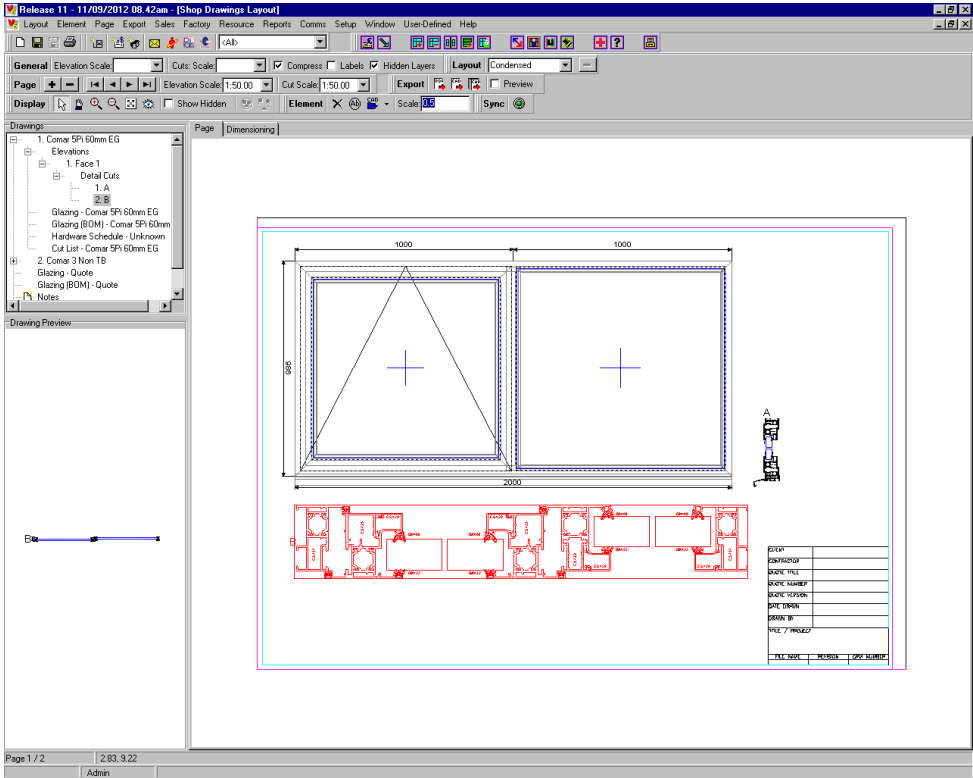


Outs: Scale: 1:15.00 ▼

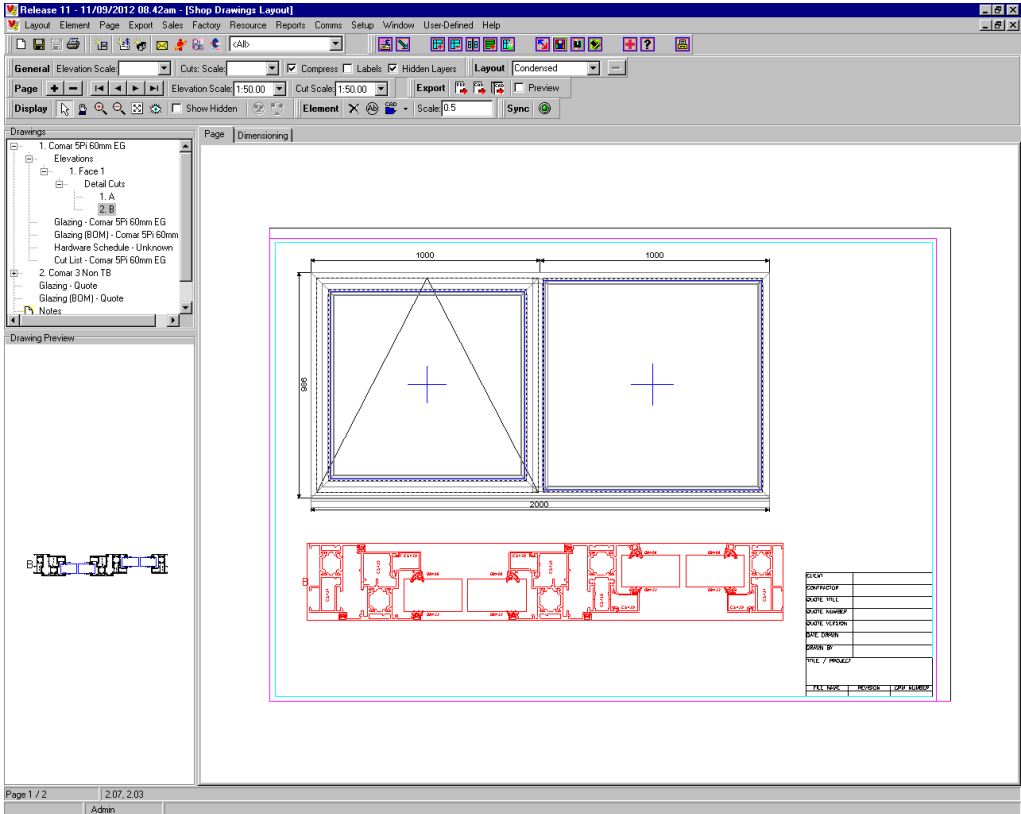
YOU WILL SEE THAT THE DRAWINGS REDUCE IN SIZE. THIS IS DUE TO THE GLASS BEING REDUCED.



USING THE CUTS SCALE OR YOUR MOUSE YOU CAN THEN DRAG THE CUT THROUGHS TO BE MORE VISIBLE



YOU CAN ALSO HIGHLIGHT ANY OF THE SECTIONS OR FRAME AND PRESS THE DELETE BUTTON TO REMOVE PARTS OF THEM FROM THE DRAWING.

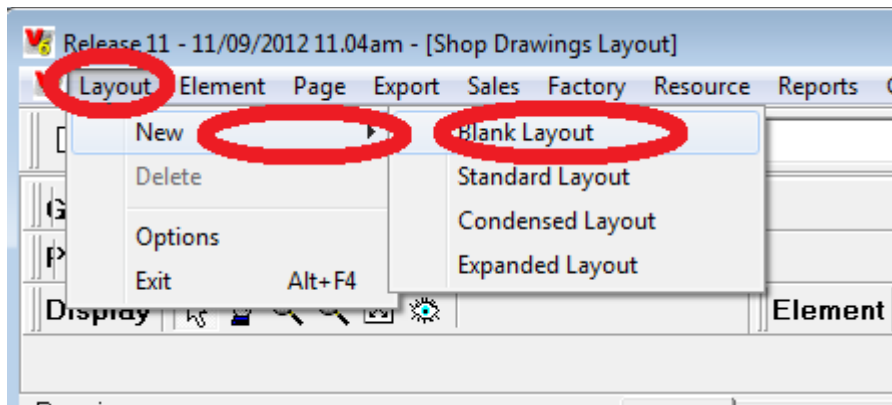


AGAIN YOU CAN USE THE FOLLOWING BUTTONS AT THE TOP TO MOVE TO THE NEXT FRAME. CHANGING THE SIZE OF THE DRAWING SON THE FIRST PAGE DOES NOT CHANGE THE OTHER ONES; EACH ONE WOULD NEED TO BE PRODUCED SEPARATELY.

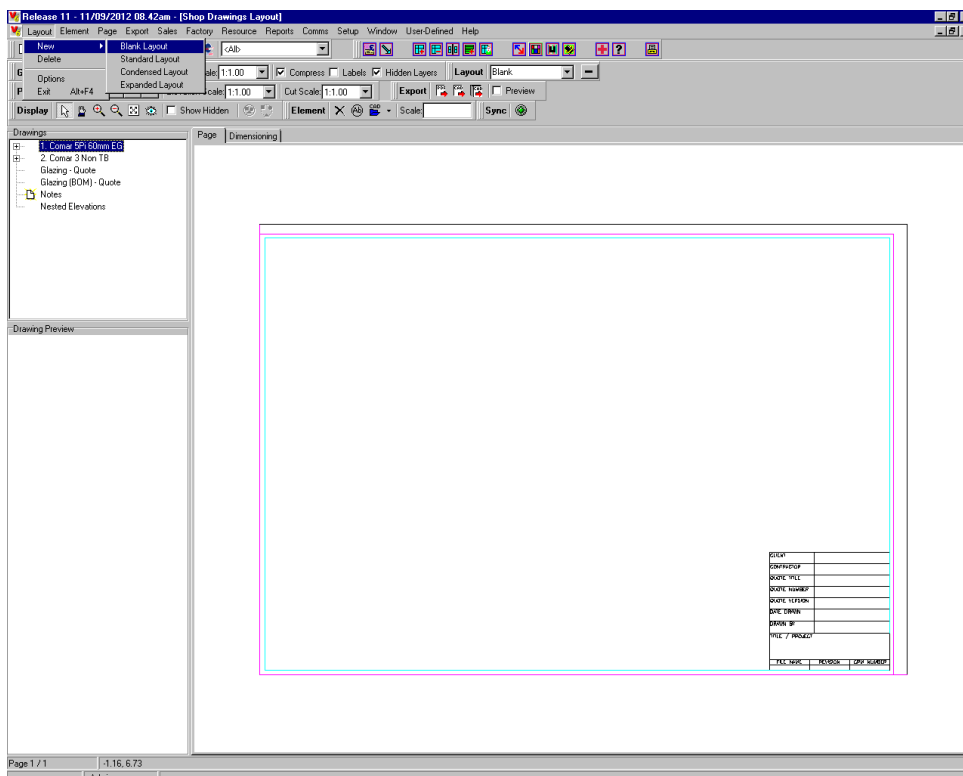


WE WILL NOW WORK WITH A BLANK DRAWING AND ADD SOME OF THE CUTS IN SEPERATELY.

FIRST OF ALL WE ARE GOING TO ADD A BLANK TEMPLATE IN, GO TO THE TOP LEFT HAND SIDE AND CLICK ONTO “LAYOUT”, FOLLOWED BY “NEW” AND THEN “BLANK LAYOUT”.

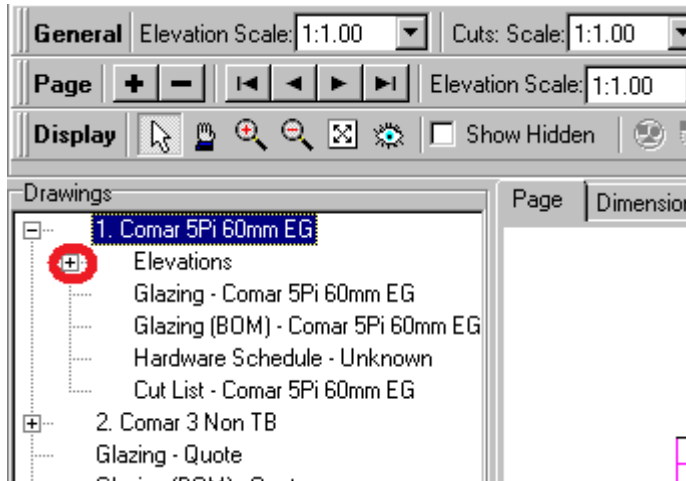


THIS WILL BRING UP THE BLACK TEMPLATE SCREEN FOR ALL FRAMES IN THIS QUOTE.

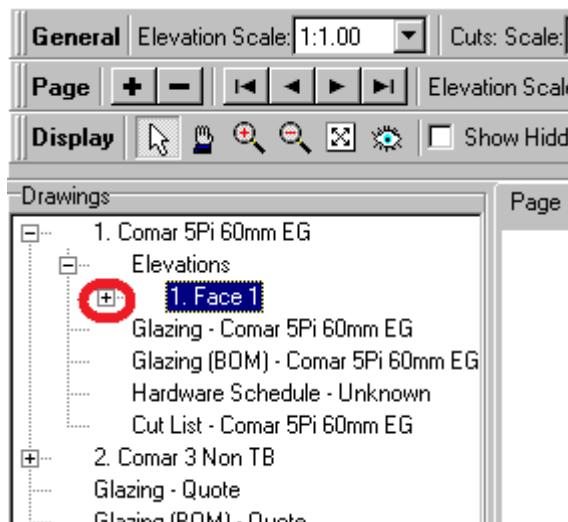


AS A DEFAULT THE TREE OF OPTIONS IS MINIMISED, THIS ALLOWS AND WE NEED TO OPEN THEM UP TO GET MORE OF THE AVAILABLE RESOURCES. CLICK ONTO THE PLUS SIGNS AS SHOWN BELOW.

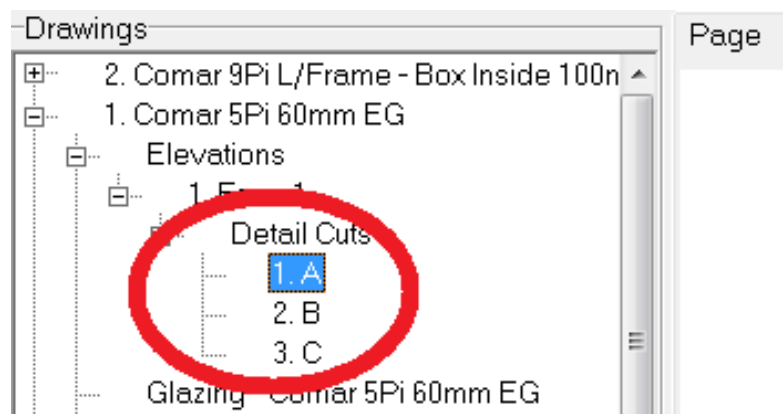
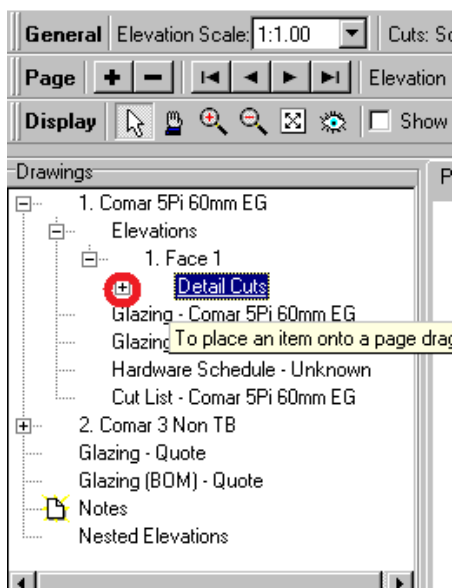
THE FIRST ONE WILL OPEN THE FACES OF THE DRAWING.



ONCE YOU CAN SEE FACE 1, CLICK ONTO THE CROSS NEXT TO THIS ONE

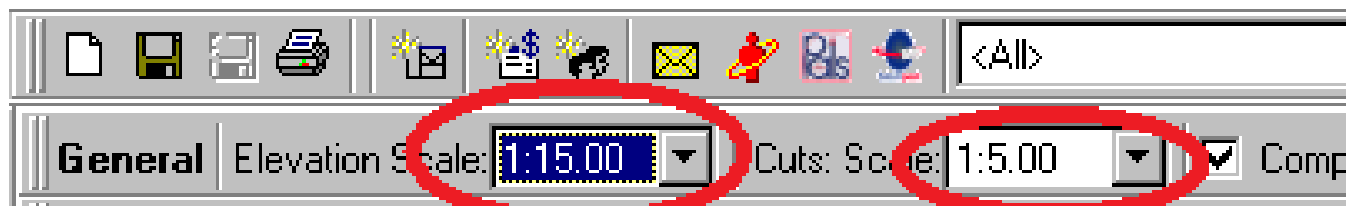


WE NOW GET DOWN TO DETAIL CUTS, CLICK ON THIS ONE FINAL TIME AND WE WILL SEE THE SECTION THROUGHS THAT WERE CREATED IN CADLINK EARLIER.

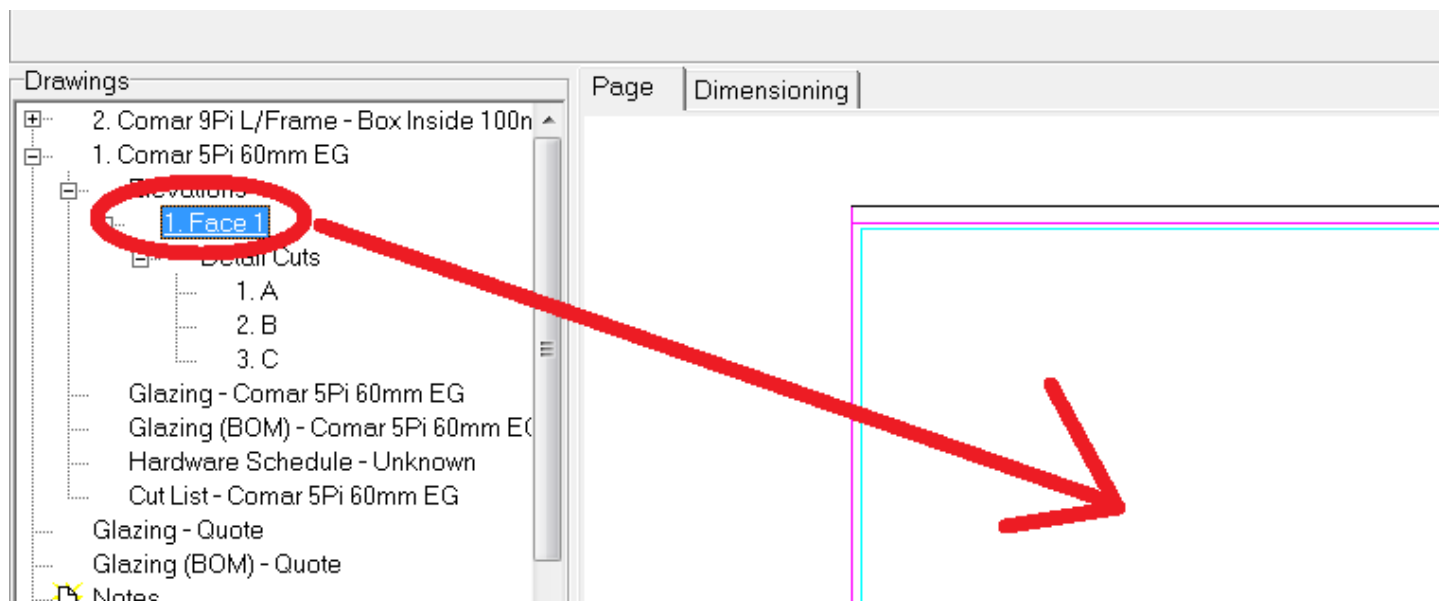


BEFORE WE START USING THE SECTION THROUGH DRAWINGS WE CAN SETUP THE SCALE OF THEM BEFORE THEY ARE ADDED. CHANGE THEM AS SHOWN BELOW (DEPENDING ON THE SIZE OF THE DRAWINGS YOU MAY NEED TO USE A DIFFERENT SCALE).

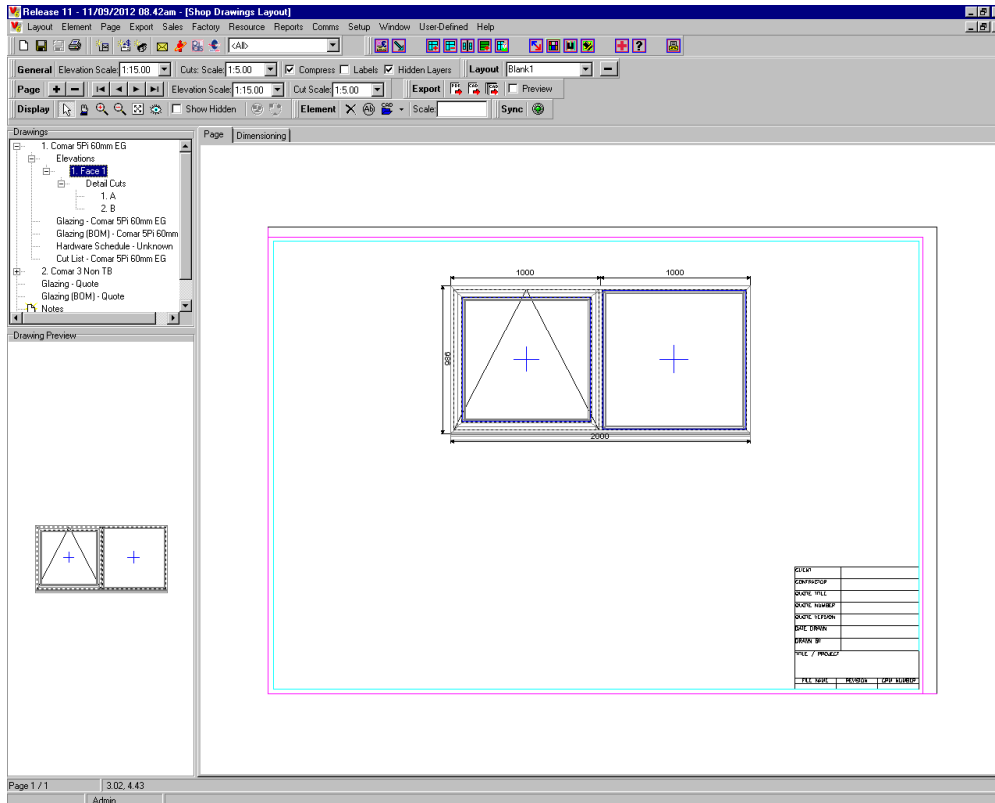
WE CAN ALSO DRAG THEM TO RESIZE THEM AFTERWARDS BUT IT MAY SAVE A BIT OF TIME DOING THIS FIRST.



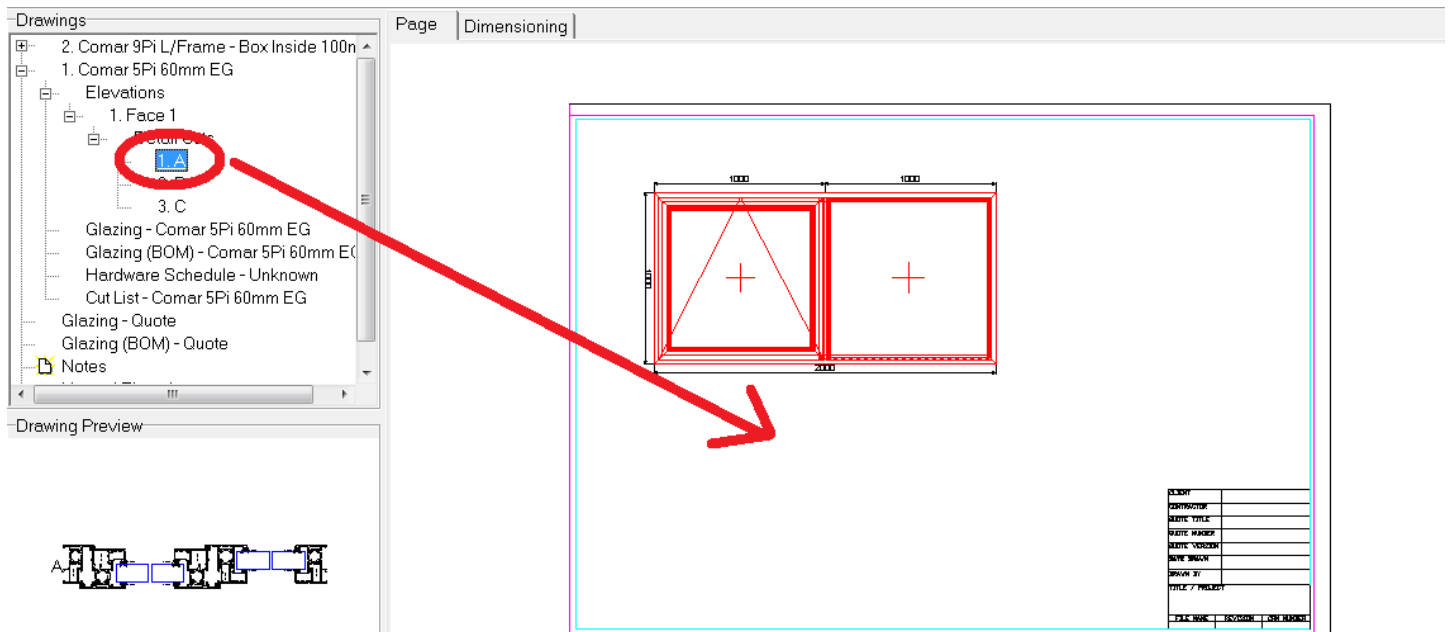
NOW THAT WE CAN SEE ALL OPTIONS THAT ARE AVAILABLE WE ARE GOING TO START BY ADDING A DRAWING OF THE FRAME. USING YOUR MOUSE HIGHLIGHT FACE ONE AND THEN DRAG AND DROP THIS INTO YOUR DRAWING, ONCE IN THE DRAWING YOU CAN MOVE IT AROUND AGAIN.



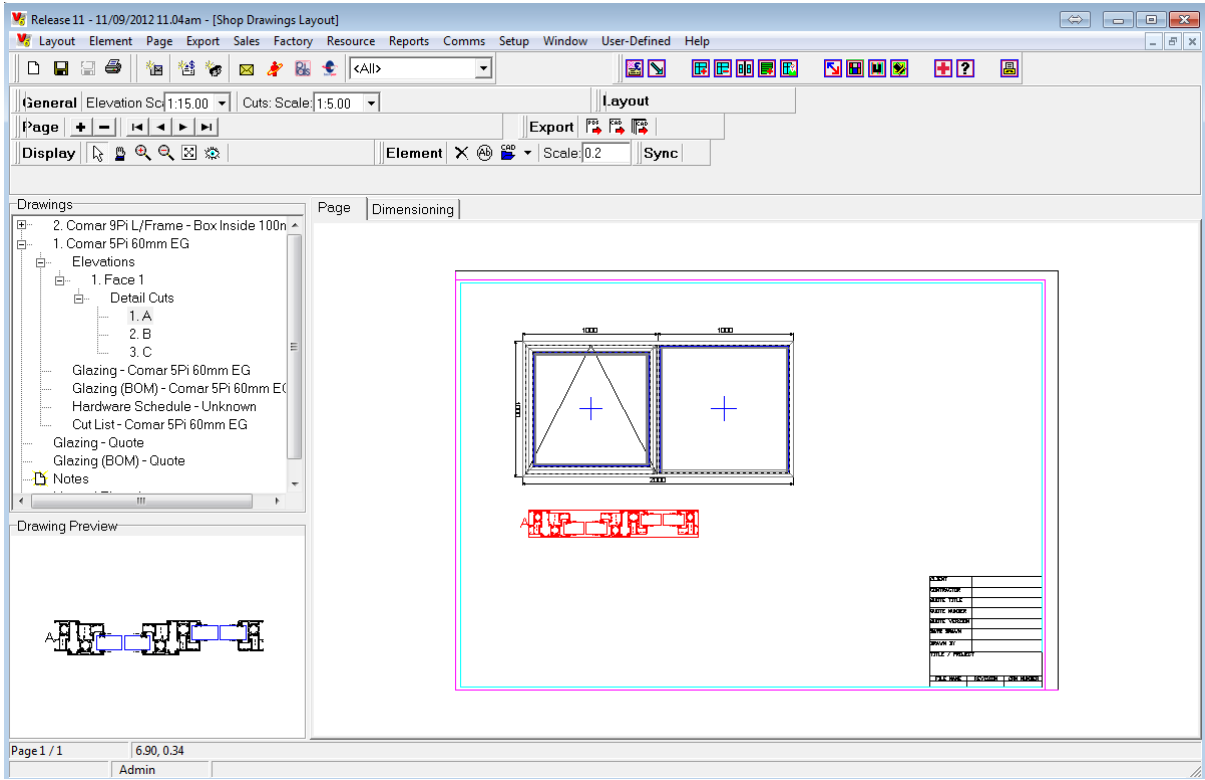
YOU WILL SEE THAT THE FRAME IS NOW SHOWN ON THE DRAWING.



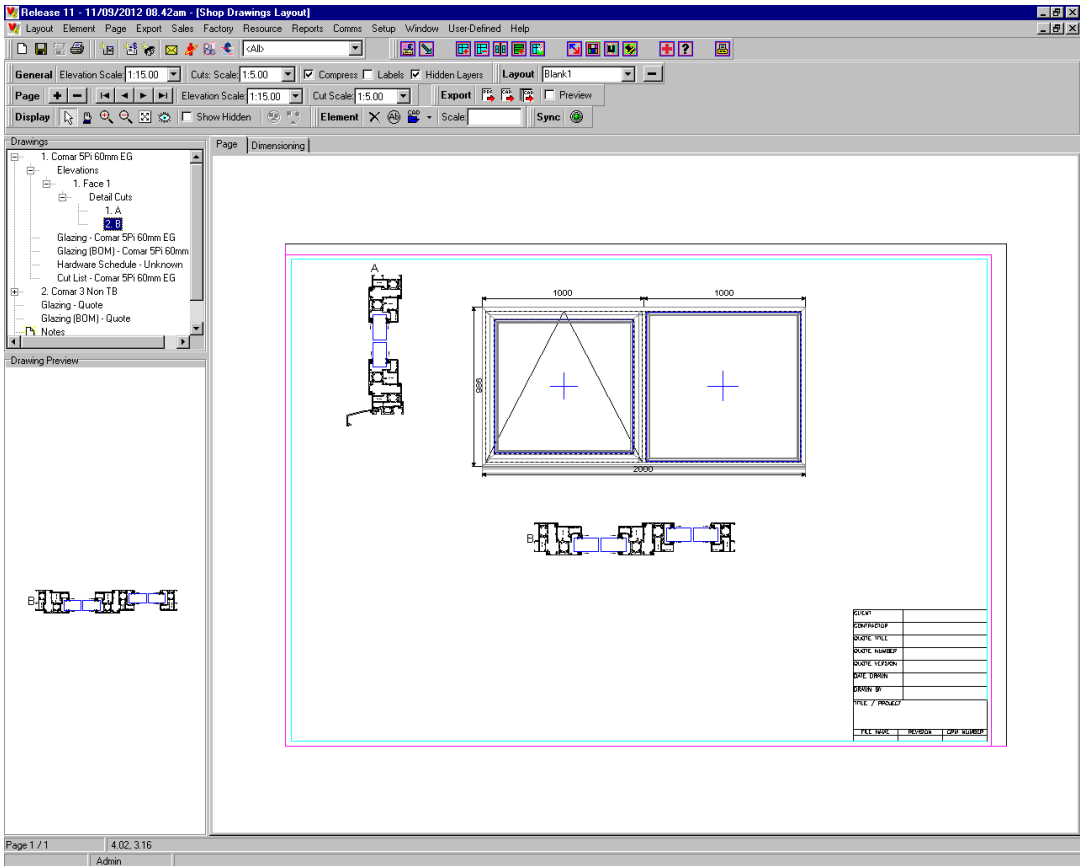
NOW HIGHLIGHT ONES OF THE DETAIL CUTS (I HAVE CHOSEN "A" AND DRAG AND DROP THIS ONTO THE DRAWING



YOU CAN CHANGE THE SCALE OR USE YOUR MOUSE TO MAKE THESE BIGGER OR SMALLER AND COMPRESS THEM OR NOT COMPRESS THEM (REMOVE GLASS AS SHOWN BEFORE).



WE CAN THEN REPEAT THE SAME FOR OTHER CUTS ONTO THE DRAWING



OTHER OPTIONS ARE AVAILABLE LIKE THE CUT LIST. THESE CAN BE DRAGGED AND DROPPED INTO THE DRAWING ALSO.

Drawings

2. Comar 9Pi L/Frame - Box Inside 100n

1. Comar 5Pi 60mm EG

Elevations

1. Face 1

Detail Cuts

1. A

2. B

3. C

Glazing - Comar 5Pi 60mm EG

Glazing (BOM) - Comar 5Pi 60mm EG

Hardware Schedule - Unknown

Cut List - Comar 5Pi 60mm EG

Glazing - Quote

Glazing (BOM) - Quote

Notes

Drawing Preview

Page

Dimensioning

Quantity	Extrusion	Description	Length	Int Mark
1	CS 432	CS PI - Sub Cill Noting - (Complete)	2000 mm	
1	CS 434	CS PI - Trans Mullion - (Complete)	625 mm	
1	CS 434	CS PI - E/Lag O/D B/O - (Complete)	2000 mm	
1	CS 434	CS PI - E/Lag O/D B/O - (Complete)	2000 mm	
2	CS 434	CS PI - E/Lag O/D B/O - (Complete)	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	

THE CUT LIST ALLOWS YOU TO PRODUCE A PRESENTABLE SHOP DRAWING WHICH CAN BE NICELY PRINTED IN PDF. THEY CAN BE EXPORTED INTO CAD BUT CHANGES MAY BE REQUIRED TO THE FONT SIZE ON CAD ONCE IMPORTED.

Release 11 - 11/09/2012 08:42am - [Shop Drawings Layout]

Layout Element Page Export Sales Factory Resource Reports Comms Setup Window User-Defined Help

General Elevation Scale: 1:15.00 Dwg Scale: 1:5.00 Compress Labels Hidden Layers Layout Blank 1

Page 1 / 1 Elevation Scale: 1:15.00 Dwg Scale: 1:5.00 Export Preview

Display Show Hidden Element Scale: 1:5.00 Sync

Drawings

1. Comar 5Pi 60mm EG

Elevations

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Detail Cuts

1. A

2. B

Glazing - Comar 5Pi 60mm EG

Glazing (BOM) - Comar 5Pi 60mm EG

Hardware Schedule - Unknown

Cut List - Comar 5Pi 60mm EG

Glazing - Quote

Glazing (BOM) - Quote

Notes

Drawing Preview

Page

Dimensioning

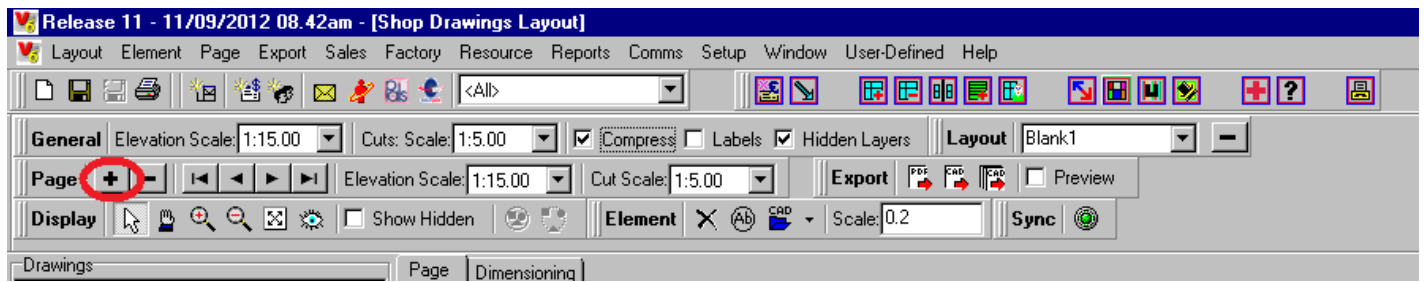
Quantity	Extrusion	Description	Length	Int Mark
1	CS 559	50mm Sub Cill Noting - (Complete)	2,000 mm	
1	CS 484	CS PI - Sub Cill Carrier - (Complete)	2,000 mm	
1	CS 438	CS PI - Trans Mullion - (Complete)	625 mm	
1	CS 434	CS PI - E/Lag O/D B/O - (Complete)	2,000 mm	
1	CS 434	CS PI - E/Lag O/D B/O - (Complete)	2,000 mm	
2	CS 434	CS PI - E/Lag O/D B/O - (Complete)	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
2	CS 429	CS PI - Square Bead	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	
1	CS 425	CS PI - Vent (HD) - (Complete)	955 mm	

18 | Page

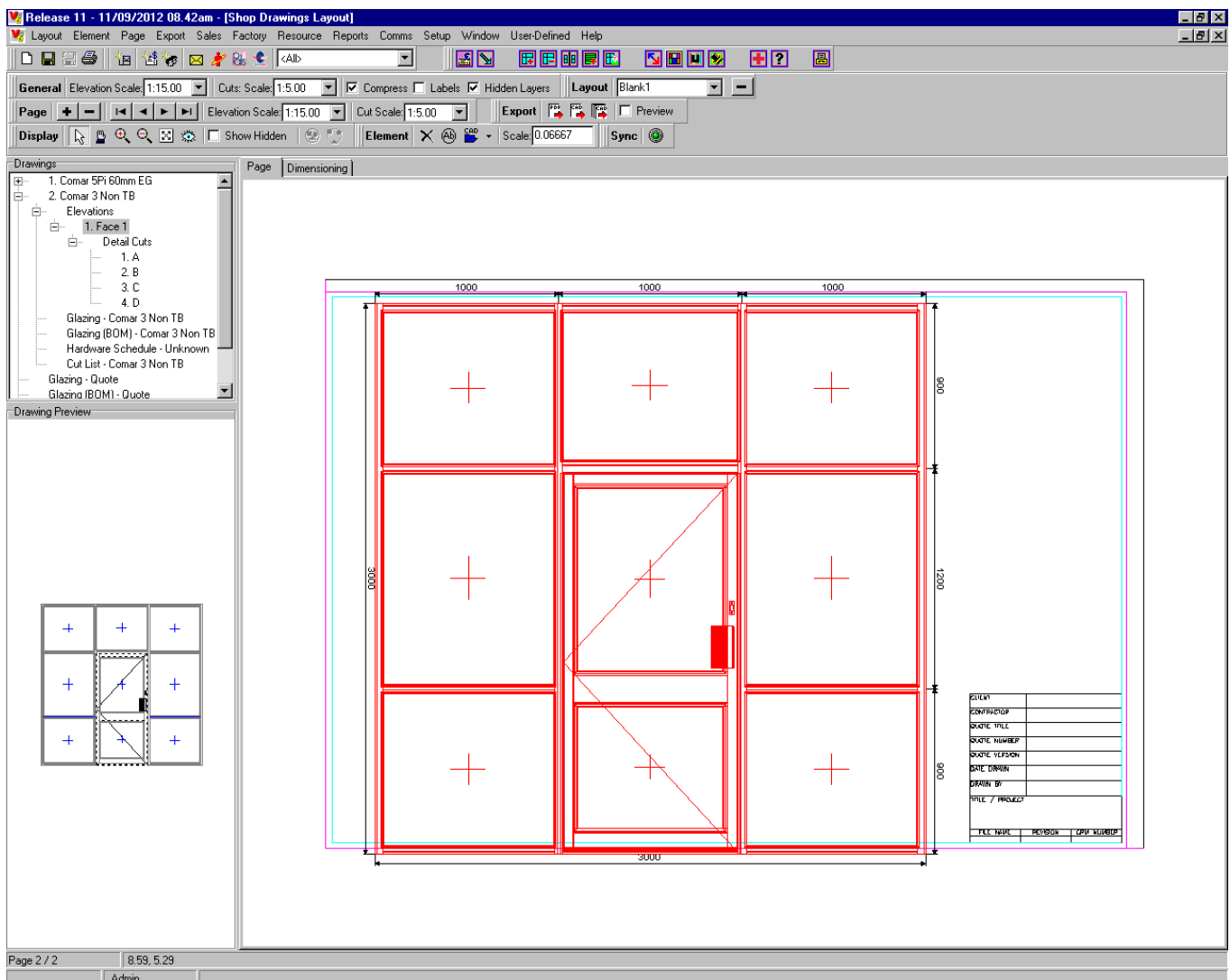
THIS HAS ADDED A SHOPDRAWING FOR THE FIRST FRAME.

WE CAN USE THE “PAGE +” BUTTON TO ADD MORE PAGES FOR OTHER FRAMES.

CLICK ONTO THE “PAGE +” BUTTON ONCE. THIS WILL ADD ANOTHER BLANK TEMPLATE.

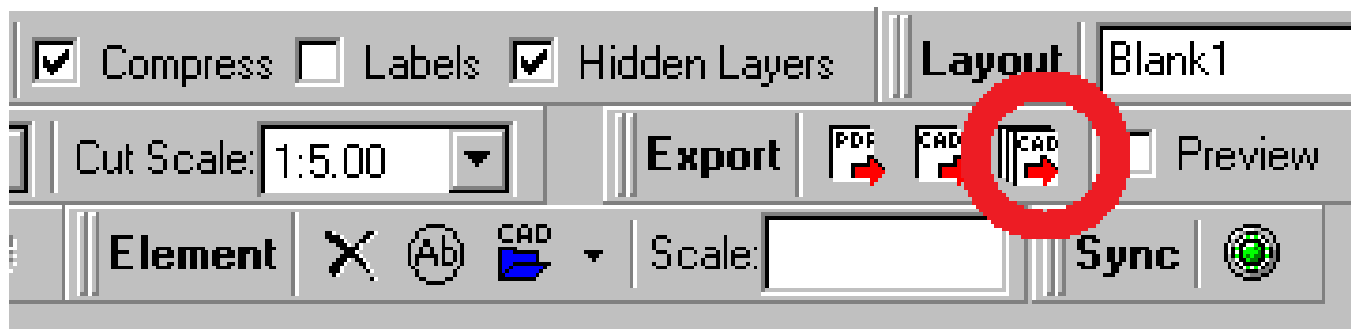


USING THE LEFT HAND LIST OF OPTIONS TRY TO CHOOSE FRAME 2 AND ADD A FRAME DRAWING AS SHOWN BELOW. YOU CAN ADD SECTION THROUGHS IF YOU WISH BUT I HAVE KEPT MINE AS A FRAME DRAWING ONLY.

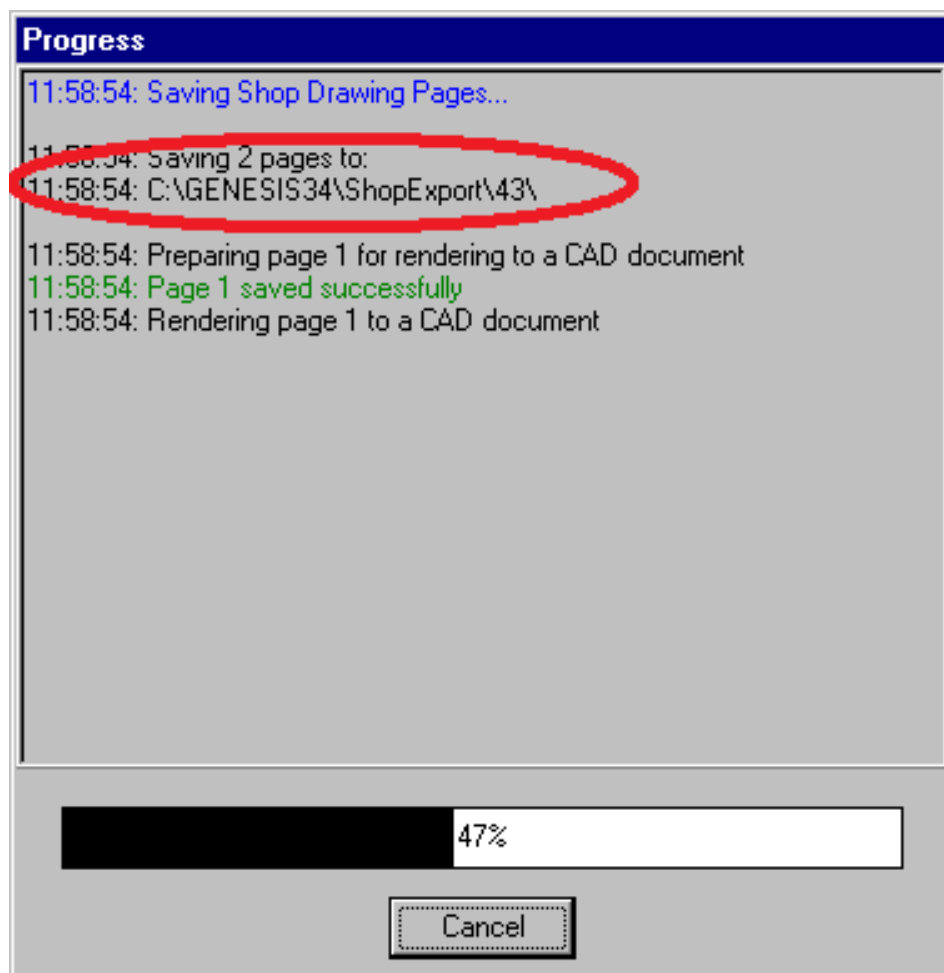


THERE ARE THREE OPTIONS TO OUTPUT THESE DRAWINGS ONCE YOU HAVE CREATED THEM . THERE IS A PDF OPTION, THE FIRST CAD BUTTON WILL TAKE ALL DRAWINGS AND ADD ALL FRAMES AND SECTION THROUGH DETAILS ONTO ONE CAD DRAWING AND THE SECOND CAD DRAWING (AS CHOSEN) WILL EXPORT EACH DRAWING INTO A SEPERATE FILE. (I WOULD RECOMMEND USING THE SEPERATE FILE OPTION AS THE FILES CAN GET QUITE LARGE).

CLICK ONTO THIS BUTTON (AS SHOWN).



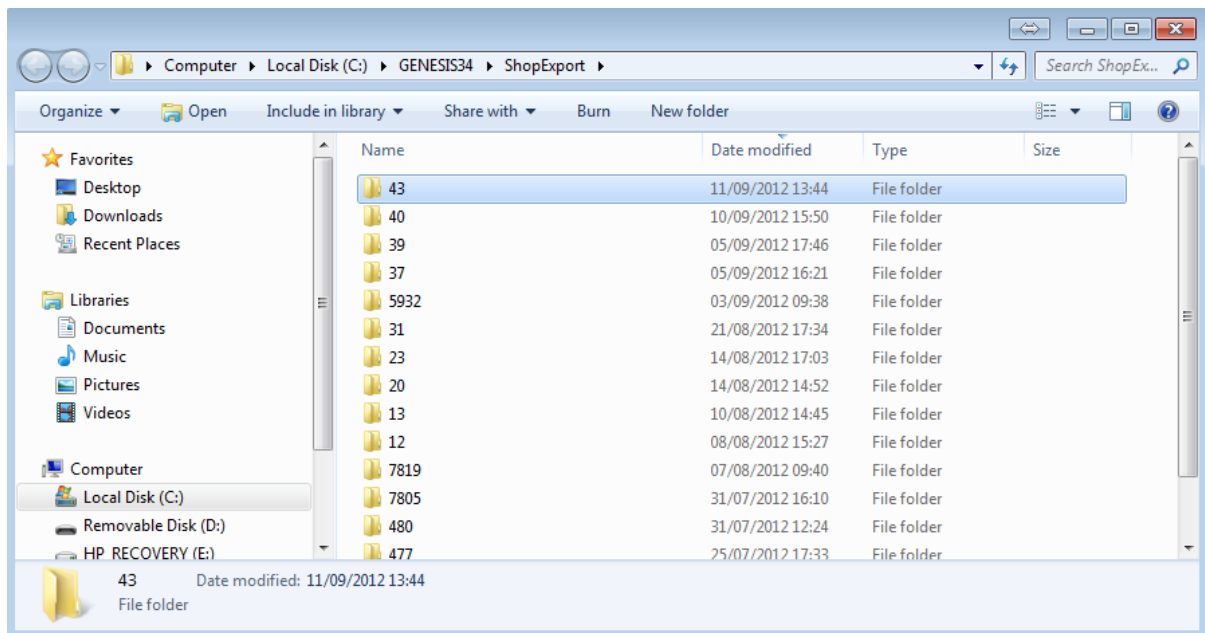
THE FOLLOWING SCREEN WILL APPEAR YOU WILL NOTICE THAT IT SHOWS YOU WHERE IT IS SAVING THE FILES TO. THE PROGRAMME CREATES A NEW FOLDER WITH THE QUOTE NUMBER AND THIS WILL ALWAYS BE LOCATED AT C:\GENESIS34\SHOPEXPORT\ FOLLOWED BY THE QUOTE NUMBER.



TO MAKE IT EASIER TO OPEN THIS FOLDER I HAVE HIDDEN A BUTTON AT THE TOP WHICH WILL OPEN THIS FOLDER FOR YOU. CLICK ONTO THE HIDDEN BUTTON AS SHOWN.



THIS WILL OPEN WINDOWS EXPLORER AND YOU SHOULD SEE THE FOLDER CONTAINING YOUR DRAWINGS.



THERE SHOULD BE ONE FILE FOR EACH DRAWING THAT YOU CREATED IN SHOPDRAWINGS. THESE CAN NOW BE EMAILED AS REQUIRED.

