



AutoCase+ Manual



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Version Information

Version: 3.0

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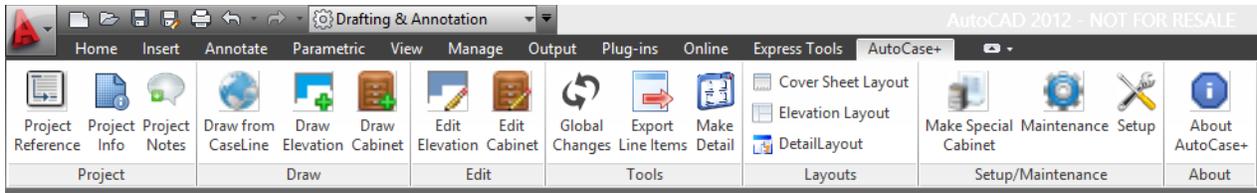
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AutoCase+

Start AutoCAD with the AutoCase+ Icon. You will be required to login each time you start AutoCase+. The dialog below will appear, checking the Remember Me box will automatically fill in the Email Address and Password for any future AutoCase+ startups.



Select Login Now and AutoCAD will load with the AutoCase+ ribbon showing.

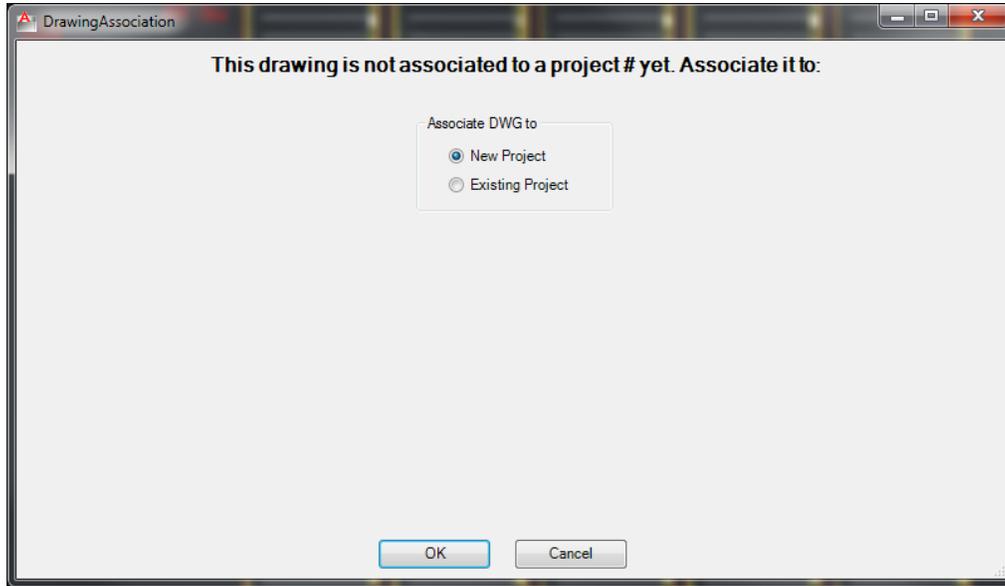


CHAPTER 1 - PROJECT

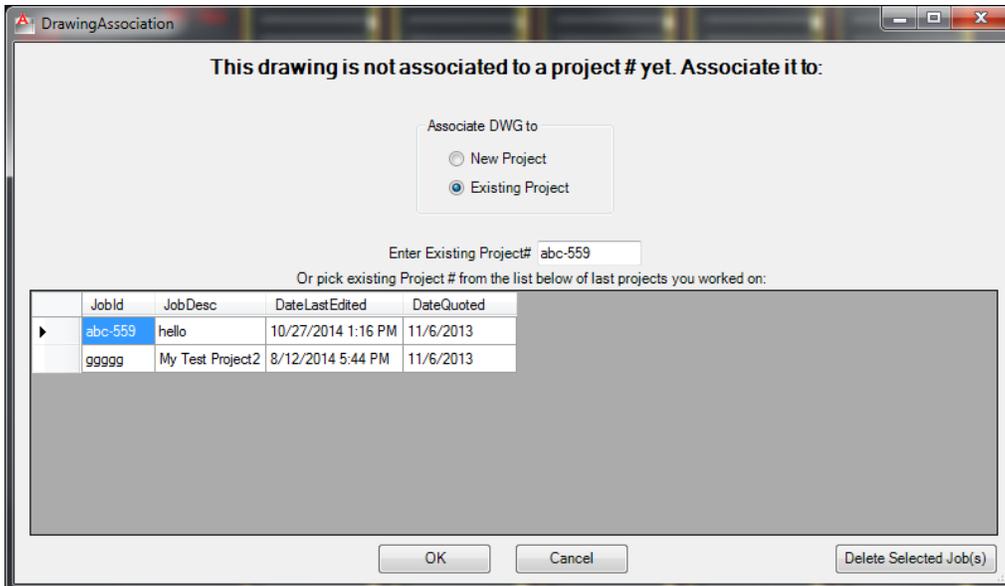
Project consists of 3 buttons: Project Reference, Project Info, and Project Notes.

Project Reference

In order to create elevations the drawing must be associated with a project. This can be done by selecting the Project Reference button; the following dialog box will appear.



When beginning a new project select New Project. If you are starting a new drawing for an existing job, select Existing Project. For an existing job a list of jobs will appear to choose from.



Select the project you wish to associate the drawing with and select ok. You can also type the project number in the Enter Existing Project# box.

Project Info

For a new project the Project Information screen will appear. Fill in all the pertinent information. The project, architect, dealer, general contractor, and project manager information will be user when creating the cover sheet and title blocks.

The screenshot shows a 'Project Information' dialog box with the following sections and fields:

- Project Info:** Project ID (J000C11), Project Name (SAMPLE JOB), Proj. Address 1 (2700 JAMES SAVAGE ROAD), Proj. Address 2, City (MIDLAND), State (MI), Zip (48642), Date Quoted (12/ 1/2014), Est. Ship Date (3/ 1/2015).
- Dealer Info:** Company Name (DEALER NAME), Address 1 (DEALER ADDRESS 1), Address 2 (DEALER ADDRESS 2), City (MIDLAND), State (MI), Zip (48642), Phone (999-555-5555).
- Project Manager Info:** PM Name (PROJECT MANAGER), PM Phone (999-555-5555), PM Email (PM@CASESYSTEMS.COM).
- Architect Info:** Company Name (ARCHITECT NAME), Address 1 (ARCHITECT ADDRESS 1), Address 2 (ARCHITECT ADDRESS 2), City (MIDLAND), State (MI), Zip (48642), Phone (999-555-5555), Fax (FAX), Contact Person (ARCHITECT CONTACT).
- GC / CM Info:** GC Company (GC NAME), Address 1 (GC ADDRESS 1), Address 2 (GC ADDRESS 2), City (MIDLAND), State (MI), Zip (48642), Phone (999-555-5555), Fax (FAX), Project Mgr (GC CONTACT).
- Project Defaults (shaded orange):** Spec Schema List (PL-1CT-1), Def Cab Spec (PL-1), Def Top Spec (CT-1), Locks (No), Open Cab. Fin. Int. (No), Closed Cab Fin. Int. (No), Chain Stops (No), Label Holders (None), Toekick Height (96), Pull Style (4in Wire Stainless Steel), Door Pull Orientation (Vertical), Top Material (Particleboard), Top Thickness (0.75), Max Top Length (144), Splash Height (4), Drawing Scale (3/8" = 1'), Sheet Size (11x17), Show Hinge Swing (Yes), Show Text Layer (Yes), Show Fin. Interior (Yes), File Path (P:\PROJECTS\J000C11).

The project defaults are in the orange shaded area and should be set up to represent the project specifications that are most commonly used throughout the project. These options can also be set or changed when entering cabinet models.

Project Defaults

Spec Schema List:.....Represents the spec assigned to the models. The designation will appear in the lower right of the models. Multiple schema names can be added, they're must be a | between each code.

Def Cab Spec: This is the default casework color scheme. The dropdown list will include all the codes input in the Spec Schema List.

Def Top Spec: This is the default countertop color scheme. The dropdown list will include all the codes input in the Spec Schema List.

Locks:..... Default Yes or No.

Open Cab. Fin Int.: Default yes or No.

Closed Cab Fin. Int: Default Yes or No.

Chainstops:..... Default Yes or No.

Label Holders: Set Default to None, Right door only, Left door only, Standard Drawers, File Drawers, All Doors, All Drawers, or All Doors and Drawers.

Toekick Height..... Default toekick height (0, 64, 96, 102, 152)

Pull Style:..... Set to the default pull drawing style. For Case Systems chose one of the following; 4 Inch Wire Pull or flush Recessed.

Door Pull Orientation: ... Default for how the pull is drawn on the casework. ~~Horizontal~~, Vertical(Standard), Inset Fronts, Overlay Fronts.

Top Material:..... Default countertop core material.

Top Thickness:..... Default countertop thickness. 0.75 (19.5), 1 (26.0), 1.125 (32.0)

Max Top Length: Default maximum length a top can be before it is split.(96, 120 , 144)

Splash Height: Default backsplash height. (0,0.5,1,2,3,4,6,8,12,24,36)

Drawing Scale:..... Default drawing scale.

Sheet Size: Default sheet size for printing.

Show Hinge Swing:..... Default Yes or No.

Show Text Layer: Default Yes or No.

Show Fin. Int.: Default Yes or No.

File Path: Default save location.

Reminder: These are just defaults and can be changed at the model level when creating or editing elevations.

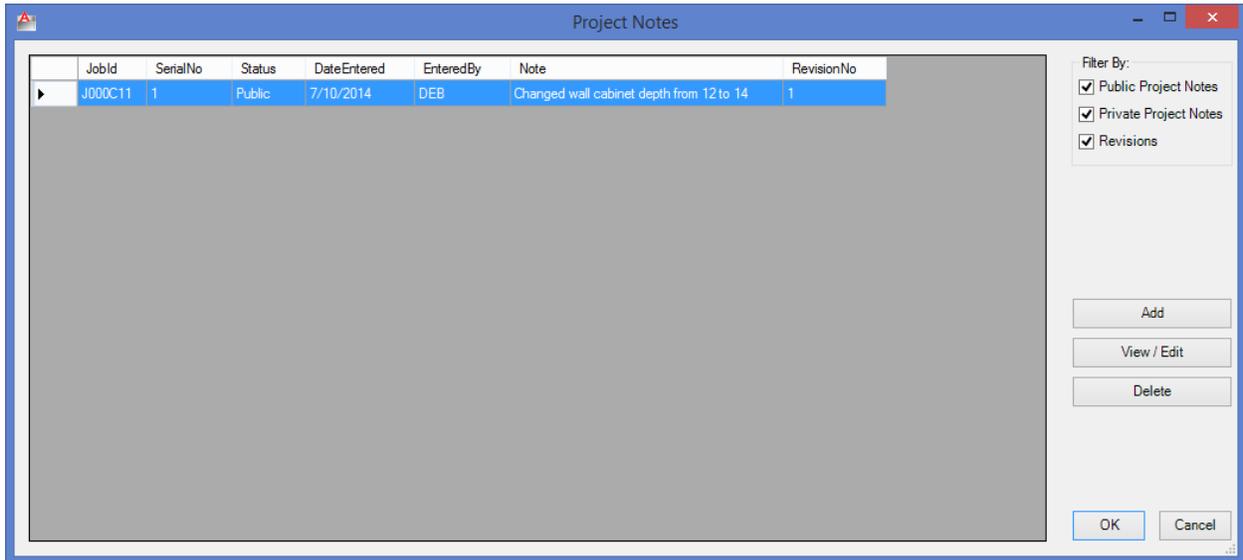
Tutorial 1

1. Open AutoCase+ if it is not already open
2. Select Project Info from the Project section of the ribbon
3. Choose New Project
4. Fill in all fields and make selections in the Project Defaults area
5. When complete select OK
6. Close and reopen AutoCase+
7. Select Project Reference from the Project section of the ribbon
8. Select Existing Project
9. Select the project you just created from the list of projects

10. Select OK

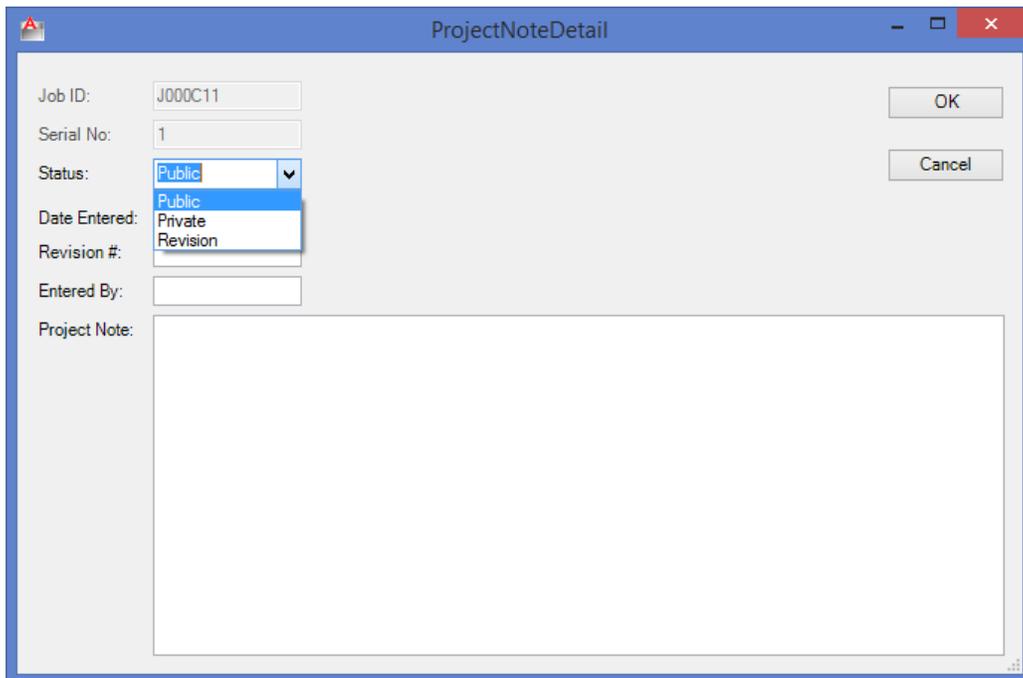
Project Notes

Project Notes is an area that can be used to store Public, Private, and Revision notes. When selected the following screen appears.



Notes are stored with the job and can be added, edited, or deleted.

To add a new note, select the Add button and the following screen will appear.



Only notes with a status of revision will show up on the coversheet and title blocks for elevations.

Tutorial 2

1. Select Project Notes from the Project area of the ribbon
2. Create a Public, Private, and a Revision note
3. Select OK

CHAPTER 2 – DRAW AND EDIT

Draw consists of Draw from Caseline, Draw Elevation, and Draw Cabinet.

Draw Elevation and Edit Elevation

When Draw Elevation is selected, the Elevation Layout screen will appear. If Edit Elevation is selected, this screen is bypassed.

The screenshot shows the 'Elevation Layout' dialog box with the following data entered:

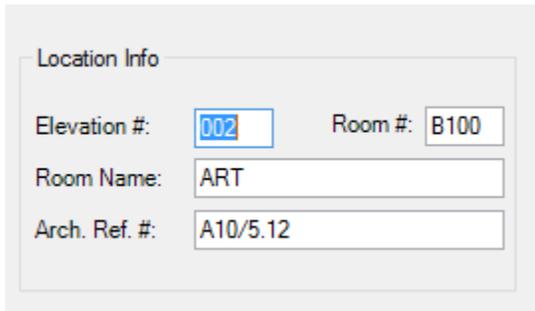
- Elevation Info:** Elevation #: 002, Room #: B100, Room Name: ART, Arch. Ref. #: A10/5.12
- Wall Info:** Back Wall, Left Wall, Right Wall (all checked); Angle: 90; Length: 3' 0"
- Room Dimensions:** Elev. Length: 12' 0", Ceiling Height: 7' 0", Wall Cab Ins. Height (mm): 2124, AutoCAD 2D Dim Option: All Dimensions
- Other Options:** Align Cabinets to Left Wall (checked); Elevation Qty: 1, Phase Number: 1, Pipe Chase [Inches]: 0
- Layout Tab Options:** Scale: 3/8" = 1', Sheet Size: 11x17
- Field Check Info:** Date/User who applied last F.Check (empty)

In this screen the elevation information and the wall information is entered. The Elevation #, Room #, Room Name, Arch, Ref. #, Scale, and Elevation Qty are used in the elevation marker displayed below.

002 B100 ART QTY: 1
ARCH REF: A10/5.12 SCALE: 1-1/4" = 1'
CABINET SCHEME: PL-1 COUNTERTOP SCHEME: CT-1

Each section of the Elevation Layout screen are described below.

Location Info



Location Info

Elevation #: Room #:

Room Name:

Arch. Ref. #:

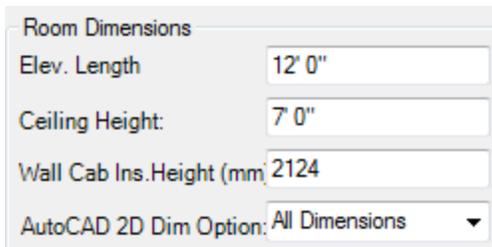
Elevation #:Case Systems' elevation number.

Room #:Room number from architecturals.

Room Name:Room name from architecturals.

Arch, Ref. #:The location of the elevation on the architecturals.

Room Size



Room Dimensions

Elev. Length:

Ceiling Height:

Wall Cab Ins. Height (mm):

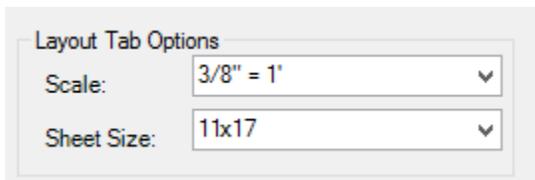
AutoCAD 2D Dim Option:

Elev. Length:The wall to wall space, entered in feet and inches.

Ceiling Height:The height the walls are drawn, in feet and inches.

Wall Cab Ins Ht(mm)The location for inserting wall cabinets. This is for the top of the wall cabinets in mm.

Layout Tab Options



Layout Tab Options

Scale:

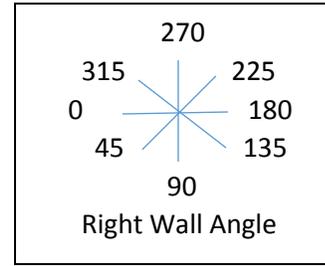
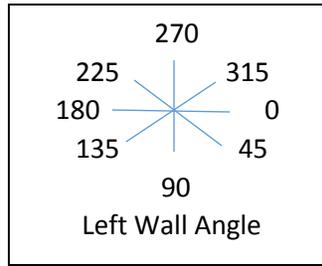
Sheet Size:

ScaleScale elevation is to draw at.

Sheet Size:Sheet size elevation will be placed on.

Wall Info

Wall Info		
<input checked="" type="checkbox"/> Back Wall	Angle:	Length:
<input checked="" type="checkbox"/> Left Wall	<input type="text" value="90"/>	<input type="text" value="3' 0''"/>
<input checked="" type="checkbox"/> Right Wall	<input type="text" value="90"/>	<input type="text" value="3' 0''"/>
<input checked="" type="checkbox"/> Show Left Wall End Broken		
<input checked="" type="checkbox"/> Show Right Wall End Broken		



Back Wall.....Toggles drawing of the back wall on and off.

Left WallCheck box toggles drawing the left wall on and off.

Left Wall Angle:Set the angle that the wall draws. This must be a positive number 0 – 360.

Left Wall length:.....Set the length the wall will draw.

Right Wall.....Check box toggles drawing the left wall on and off.

Right Wall Angle:.....Set the angle that the wall draws. This must be a positive number 0 – 360.

Right Wall length:.....Set the length the wall will draw.

Left Wall End Broken.....Shows left return wall with an end break.

Right Wall End Broken ..Shows right return wall with an end break.

Other Options

Other Options	
<input checked="" type="checkbox"/> Align Cabinets to Left Wall	
Elevation Qty:	<input type="text" value="1"/>
Phase Number:	<input type="text" value="1"/>
Pipe Chase [Inches]	<input type="text" value="0"/>

Align Cabs to Left Wall..When check elevation is drawn from left to right. This can not be changed in the middle of building an elevation.

Elevation Qty:.....Qty for the elevation, displayed in the elevation marker.

Phase Number:.....Phase for the elevation, used in the extraction list.

Pipe Chase (Inches)Set the distance the cabinets set away from the back wall.

Field Check Info

Field Check Info

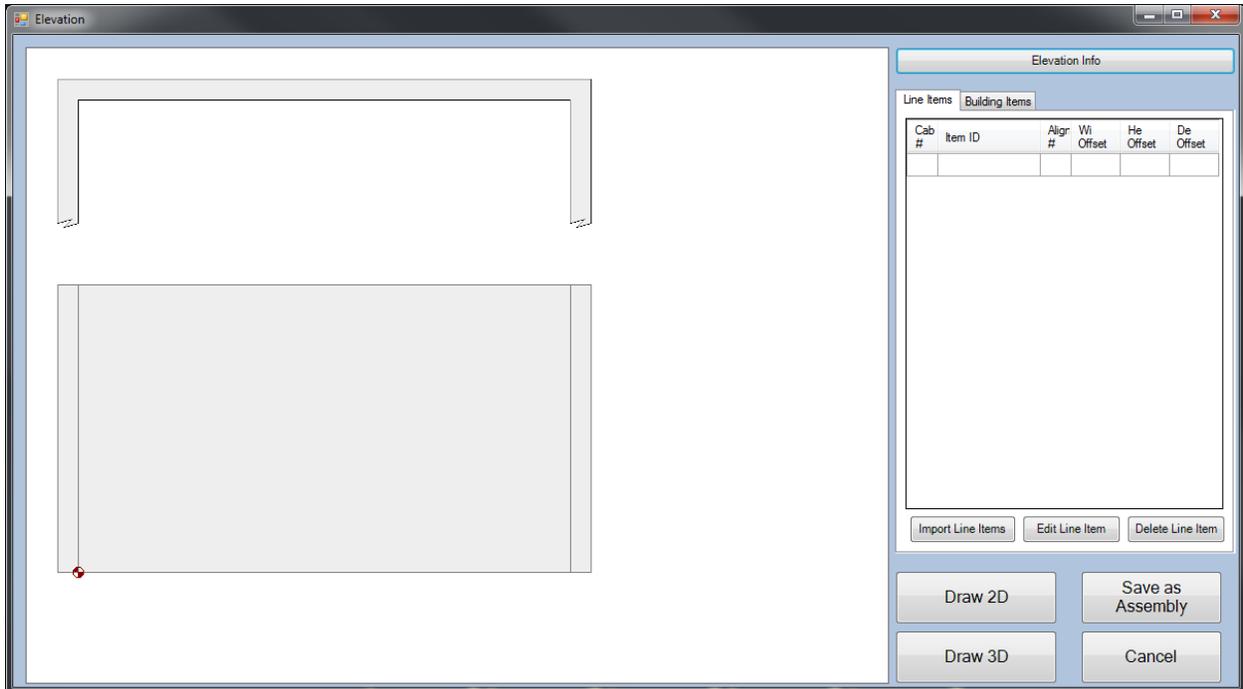
Date/User who applied last F.Check

Date/User who applies last F. Checks: This field will automatically fill in with the current date and time along with the system user name. This information will be displayed below the elevation marker.

002 **B100 ART** QTY: 1
ARCH REF: A10/5.12 SCALE: 1-1/4" = 1'
CABINET SCHEME: PL-1 COUNTERTOP SCHEME: CT-1

Field Checks Applies: 10/7/2014 1:10:40 PM – Dawn

Once all the required information has been entered into the Elevation Layout screen the Elevation entry screen will appear. Your walls will be displayed with the selections made in the Elevation Layout screen. If you need to revisit the Elevation Screen, select the Elevation Info button displayed in the top right corner of the Elevation entry screen.



Tutorial 3

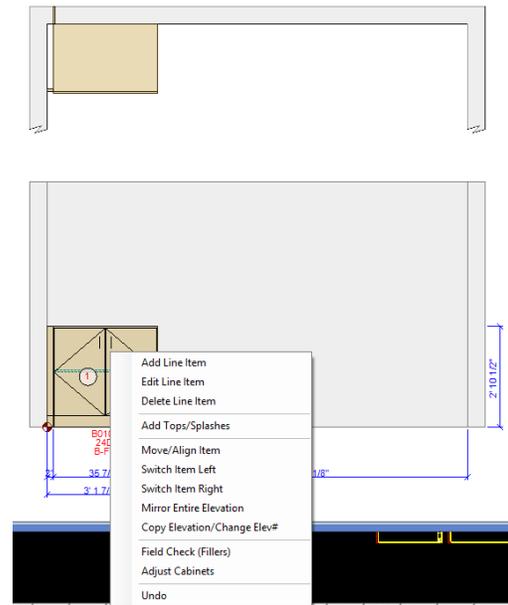
1. Select Draw Elevation from the Draw area of the ribbon.
2. Set the following
 - a. Elev # = 001
 - b. Room # = A100
 - c. Room Name = FIRST GRADE
 - d. Arch Ref # = your choice
 - e. Elev Length = 10'-6"
 - f. Left wall Yes, Right wall No
3. Select OK
4. Select Draw 2D, This will return you to AutoCAD. You can place the elevation on the screen by clicking at the location you want the elevation to draw.
5. Select Draw Elevation from the Draw area of the ribbon.
6. Set the following
 - a. Elev # = 002
 - b. Room # = A200
 - c. Room Name = SECOND GRADE
 - d. Arch Ref # = your choice
 - e. Elev Length = 168.5"
 - f. Left wall Yes, Angle 135
 - g. Right wall Yes, Angle 135, Length 4'-0" with end caped
7. Select OK
8. Select Draw 2D
9. Select Draw Elevation from the Draw area of the ribbon.
10. Set the following
 - a. Elev # = 003
 - b. Room # = A300
 - c. Room Name = THIRD GRADE
 - d. Arch Ref # = your choice
 - e. Elev Length = 12'-0"
 - f. Left wall Yes and Right wall Yes
 - g. Uncheck Align Cabinets to Left Wall
 - h. Set Elevation Qty to 5
11. Select OK and Draw 2D
12. Select Draw Elevation from the Draw area of the ribbon.
13. Set the following
 - a. Elev # = 004
 - b. Room # = A400
 - c. Room Name = FOURTH GRADE
 - d. Arch Ref # = your choice
 - e. Elev Length = 6'-0"
 - f. Back wall No, Left wall No, and Right wall No
14. Select OK and Draw 2D

There are 2 ways to begin building elevations. You can select Import Line Items button below the Line Items List or by right clicking on the elevation. Using the right click function will give you more options to choose from than selecting the Import Line Item button.

Right clicking on the elevation where there are not any cabinets or building items, will give you the following choices.



Selection list when right click in open area



Selection list when right click on Item

Add Line Item (Cabinet)

This selection opens the Insert Cabinet screen by right clicking in open area of the elevation and select add Line Item. The Insert Cabinet screen will appear.

Item Selection

Type Item#: Qty: 1

Pick Item#:

Catalog:

Nom.Height: Actual: 23.15

Nom.Depth: Actual: 11.811

Nom.Width: Actual: 23.937

Suffix:

Config Digits:

Storage w/Doors

Standard Options

Spec Schema:

Left End Ext.[Inches]: R.E.Ext:

Fin Ends:

Chain Stops:

Toe Kick Height:

Finished Interiors:

Locks:

Label Holders:

Pull Style:

Pull Orientation:

Modification:

Custom Options (Item Specific)

Adj Shelf Qty:

Elevation Info

Elev Qty:

Phase:

Elev #:

Room #:

Room Name:

Arch Ref #:

Drawing Parameters

Width Offset [Inches]:

Height Offset [Inches]:

Depth Offset [Inches]:

Align with ItemID #:

Drawing Level:

The Insert Cabinet screen is where all the cabinet specific options and cabinet placement are set. Below is a brief description for each field.

Item Selection

Item Selection

Type Item#: Qty:

Pick Item#:

Catalog:

Nom.Height: Actual

Nom.Depth: Actual

Nom.Width: Actual

Suffix:

Config Digits:

Storage w/Doors

Type Item#: Enter cabinet model number with the ht, dp, and wd. This will automatically set the Nom. Height, Nom. Depth and Nom. Width to match the values typed. This is not a required field, it's more of a short cut when you know the model and its sizes you wish to enter.

Qty:..... The quantity of the cabinet displayed in Type Item# you wish to draw. This can be a number greater than 1. If you enter a qty of 3 the program will draw 3 identical models in a row.

Pick Item#:..... Drop down selection for the model number.

Search: Button that will open the catalog for the selected catalog in the Catalog drop down.

Catalog: Catalog choice for model section. Current catalogs include Case, CiF, and Metal.

Nom. Height:..... Drop down for nominal height selection.

Actual The actual height the model will draw.

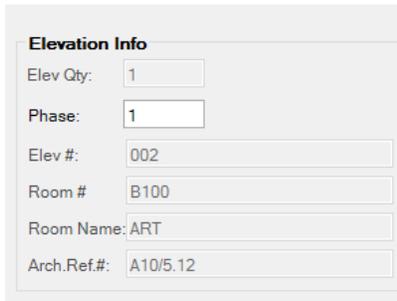
Nom Depth:..... Drop down for nominal depth selection.

Actual The actual depth the model will draw.

Nom Width:..... Drop down for nominal width selection.

Actual The actual width the model will draw.

Elevation Info



Elevation Info

Elev Qty:

Phase:

Elev #:

Room #:

Room Name:

Arch.Ref.#:

Elev. Qty Elevation quantity entered in the Elevation Entry screen. Not Modifiable at this level.

Phase: Phase for this model.

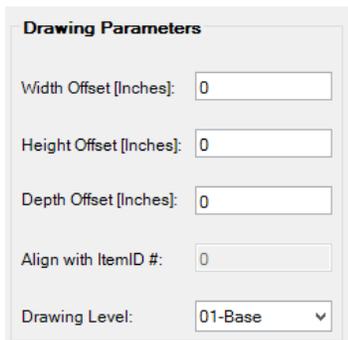
Elev #: Elevation number entered in the Elevation Entry screen. Not Modifiable at this level.

Room #: Room number entered in the Elevation Entry screen. Not Modifiable at this level.

Room Name: Room name entered in the Elevation Entry screen. Not Modifiable at this level.

Arch. Ref.#: Architectural reference entered in the Elevation Entry screen. Not Modifiable at this level.

Drawing Parameters



Drawing Parameters

Width Offset [Inches]:

Height Offset [Inches]:

Depth Offset [Inches]:

Align with ItemID #:

Drawing Level:

Width Offset (Inch): Width offset distance in inches from the 0 reference or adjacent model. The zero reference is designated by this symbol.

Height Offset (Inch): Height offset distance in inches. The base offset point will vary depending on the Drawing level selected.

Depth Offset (Inch): Width offset distance in inches from the back wall.

Align w/ItemID #: Used primarily for upper models for alignment with models the 01-Base level.

Drawing Level: Level for placement of models.

Standard Options

Standard Options	
Spec Schema:	PL-1
Left End Ext.[Inches]:	0 R.E.Ext: 0
Fin Ends:	None (Automatic)
Chain Stops:	None (Manual)
Toe Kick Height:	96
Finished Interiors:	No
Locks:	No
Label Holders:	None
Pull Style:	4 Inch Wire Pull
Pull Orientation	N.A.
Modification:	

Spec Schema: Drop down selection for spec Schemas designated in the Elevation Info screen.

Left End Ext(Inch): Will extend the left end panel back for base and tall models. This field is greyed out when not applicable.

R. E. Ext: Will extend the right end panel back for base and tall models. This field is greyed out when not applicable.

Fin Ends: Finished end designation for the model. The default for this field is None (Automatic) this will automatically set the finished end conditions based on wall conditions and as models are added or deleted.

Chain Stops: Chain stop designation for the model. The default for this field is None (Automatic) this will automatically set the chain stop conditions based on wall conditions.

Toe Kick Height: Drop down for toe kick height. Will default to the toe kick height selected in the Project Info screen.

Finished Interiors: Drop down for the models finished interior. Will default to the finished interior selected in the Project Info screen.

Locks:..... Drop down for locks yes or no. Will default to the lock selected in the Project Info screen.

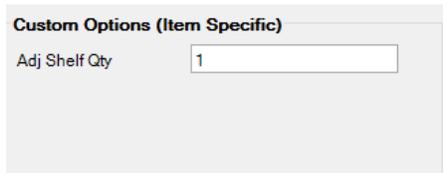
Label Holders: Drop down for label holder selection. Will default to the label holder selected in the Project Info screen.

Pull Style:..... Drop down for pull style. Will default to the pull style selected in the Project Info screen. If the pull selected at the Project Info screen is not 4 Inch Wire Pull or Flushed Recess, pulls will not draw.

Pull Orientation:..... Defaults to N.A. for the Case catalog.

Modification:..... Text that will appear on a non printing layer in the AutoCAD drawings noting any modifications, including changes in the Actual HT, DP, or WD.

Custom Options (Item Specific)



Custom Options (Item Specific)

Adj Shelf Qty

Adj Shelf Qty:Designates the quantity of shelves required in the model.

Extend EP DownFor W9000 series wall cabinets. Options for None, Left, Right, or Both.

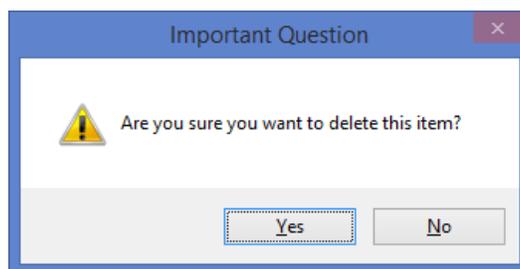
Edit Line Item

This selection will re-open the Insert Cabinet screen for the model you right click on with all of the previous selections. This can also be done by highlighting a model in the Line Items tab and selecting the Edit Line Items button below. You can also right click on a item in the list and the dropdown list will appear the same as in the elevation. This is useful when a model is small or can not be selected from within the elevation.

Delete Line Item

This selection will delete the model that you right clicked on. You will be prompted with the following screen verifying the deletion. This can also be done by highlighting a model in the Line Items tab and selecting the Delete Line Items button below. You can also right click on a item in the list and the dropdown list will appear. This is useful when a model is small or can not be selected from within the elevation.

To delete multiple items at one time select the items in the Line Items tab. For consecutive items select the first item hold the shift key down and select the last item. For non consecutive items hold the Ctrl key down and select the items. Once the appropriate items are highlighted select the Delete Line Items button



Tutorial 4

1. Edit Elevation 001, Select Edit Elevation and select a item in the elevation and Enter.
2. Add the following items
 - a. (1) B0100 36 24 24
 - b. (1) B3100 36 24 48
 - c. (1) B0120 36 24 24
 - d. (4) W010 30 12 24 (With 3 shelves)
3. Edit the B0120, add locks and label holders
4. Select Update 2D
5. Edit Elevation 002
6. Add (4) B0000 30 29 42 (with 2 shelves)
7. Edit the Elevation Info and increase the length of the left wall to 3'-6"
8. Select Update 2D
9. Edit Elevation 003
10. Add the following items
 - a. R1250
 - i... Select the HT, Dp, and WD from the drop down. The width is the of the actual filler piece.
 - ii... In Custom Options
 1. Draw: Choose Choose Right Corner (Export Yes)
 2. Depth of Ret. Cb: Leave as 23.03 (Depth of nominal 24 deep box)
 3. Depth of Main Cab: Leave as 23.03
 - iii... Add item
 - b. (2) B4040 36 24 24
 - c. (1) B2100 36 24 36
 - d. R1250 (Same as above with the changes below)
 - i... Draw: Left Corner (Export No)
 - ii... Depth of Ret. Cb: Set to 28.15 (Depth of nominal 29 deep box)
 - e. 00WC
 - i... Select the HT, Dp, and WD from the drop down. The width is the depth of the return cabinet.
 - ii... In Custom Options
 1. Corner Illustration: Choose Choose Cabinet w/Fronts
 2. Cab. Dep Main Leg: Set to 0 to place at back wall
 3. Return Angle: Leave as 90
 - iii... Add item
 - iv... Delete the R1000 that was added to the list
11. Select Update 2D
12. Edit Elevation 004.
13. Add the following items
 - a. M5300 36 24 60
14. Select Update 2D

Add Tops/Splashes

This selection opens the Add tops screen. It is important that you right click on the rightmost item in the elevation. Tops are always drawn from right to left and start at the item that was right clicked on or selected from the item list. For the best result drawing tops it is best to draw all the cabinets in the base level before adding your tops and splashes.

The 'AddTop' dialog box is divided into several sections:

- General Top Options:** Includes dropdowns for 'Top Material' (Particleboard), 'Top Thickness [Inch]' (1.125), 'Max. Top Length [Inch]' (144), and 'Top Spec Schema' (CT-1).
- Top Overhang in Inches:** Includes input fields for 'Back' (0), 'Left' (0), 'Right' (0), 'Front' (1.969), and 'Top Depth [Inch]' (25).
- Top Splice Options:** Includes radio buttons for 'Same Size Tops' and 'Overlap Cabinet Splice by 5 [inches]', and a checked checkbox for 'Span over empty Spaces'.
- Top Corner Options:** A table for configuring corners:

	Option	X or Rad [Inch]	Y [Inch]
Back Left:	Square	0	0
Back Right:	Square	0	0
Front Left:	Square	0	0
Front Right:	Square	0	0

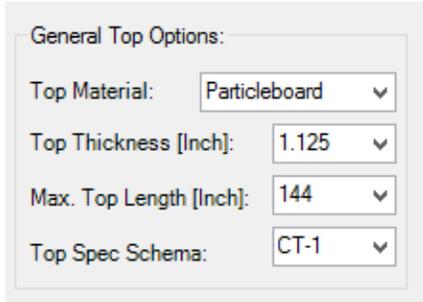
- Splashes:** A table for configuring splash options:

	Include Splash	Height [Inches]	Splash Thickness
Back Splash:	<input checked="" type="checkbox"/>	4	1.125
Left Side Splash:	<input type="checkbox"/>	4	1.125
Right Side Splash:	<input type="checkbox"/>	4	1.125

- Left Corner Condition:** Includes three radio buttons and three diagrams showing different corner configurations. Below is a 'Left Return Depth [inches]: 0' dropdown.
- Right Corner Condition:** Includes three radio buttons and three diagrams showing different corner configurations. Below is a 'Right Return Depth [inches]: 0' dropdown.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

General Top Options



General Top Options:

Top Material: Particleboard

Top Thickness [Inch]: 1.125

Max. Top Length [Inch]: 144

Top Spec Schema: CT-1

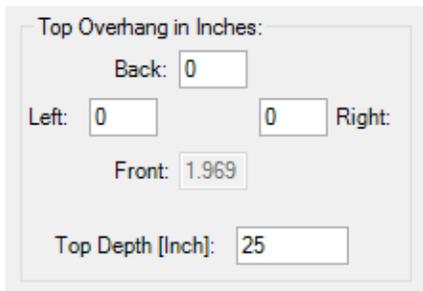
Top Material:.....Drop down with all countertop material options. This will default to the selection made at the Project Info screen.

Top Thickness (Inch):Drop down with all available countertop thicknesses. This will default to the selection made at the Project Info screen.

Max. Top Length (Inch) .Drop down with all available lengths, will adjust with material designation. This will default to the selection made at the Project Info screen.

Top Spec Schema:Drop down with all the created schemes. This will default to the selection made at the Project Info screen.

Top Overhang Inches



Top Overhang in Inches:

Back: 0

Left: 0 Right: 0

Front: 1.969

Top Depth [Inch]: 25

Left:Left hand overhang entered in inches.

Back:.....Overhang back entered in inches.

Right:Right hand overhang entered in inches.

Front:.....Overhang Front entered in inches. Default is set to Top Depth minus the depth of the cabinet you right clicked on. For example a nom 24 deep cabinet is 23.031" actual and uses a 25" deep counter top. $25 - 23.031 = 1.969$ your front overhang is 1.969".

Top Depth (Inch)Overall depth of the countertop. The program will attempt to select the appropriate top depth for the elevation. If the elevations have different depth cabinets tops for each depth will need to be added.

Top Splice Options

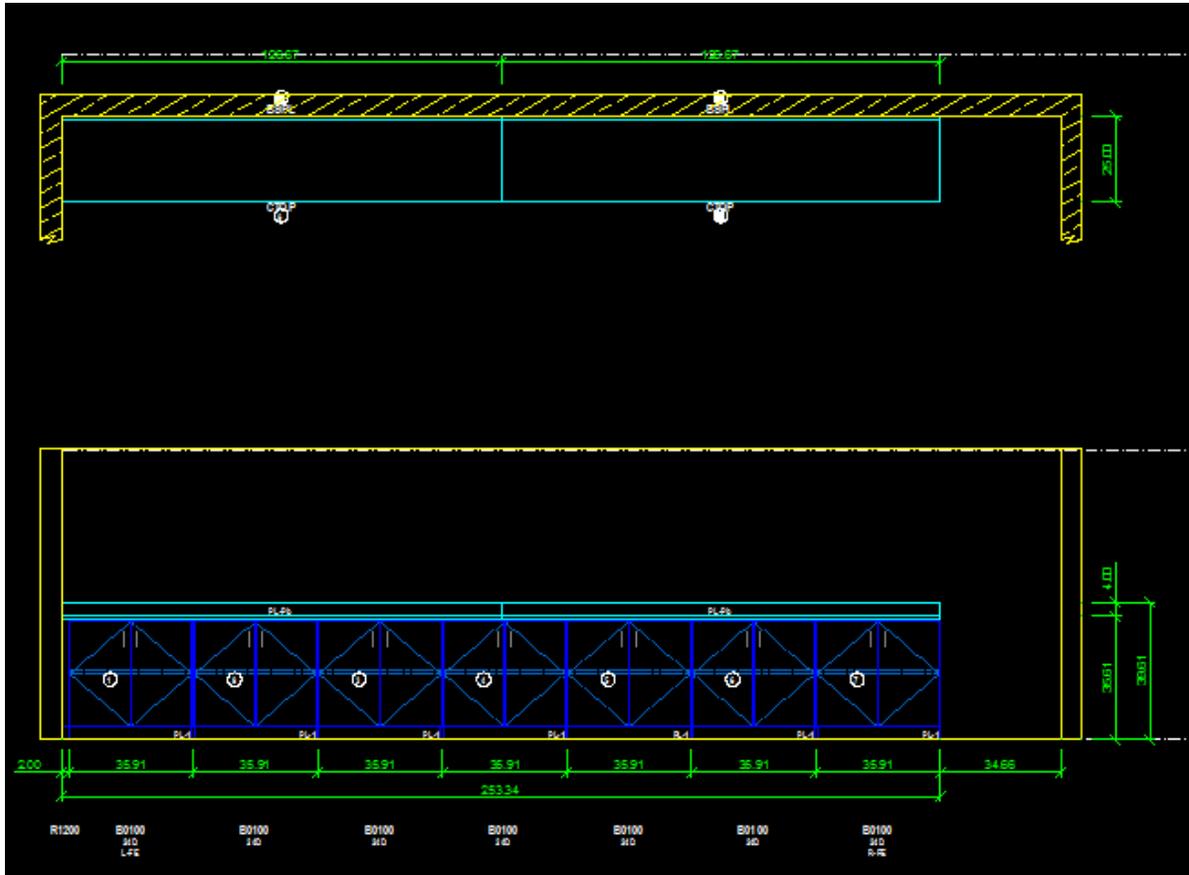
Top Splice Options

Same Size Tops

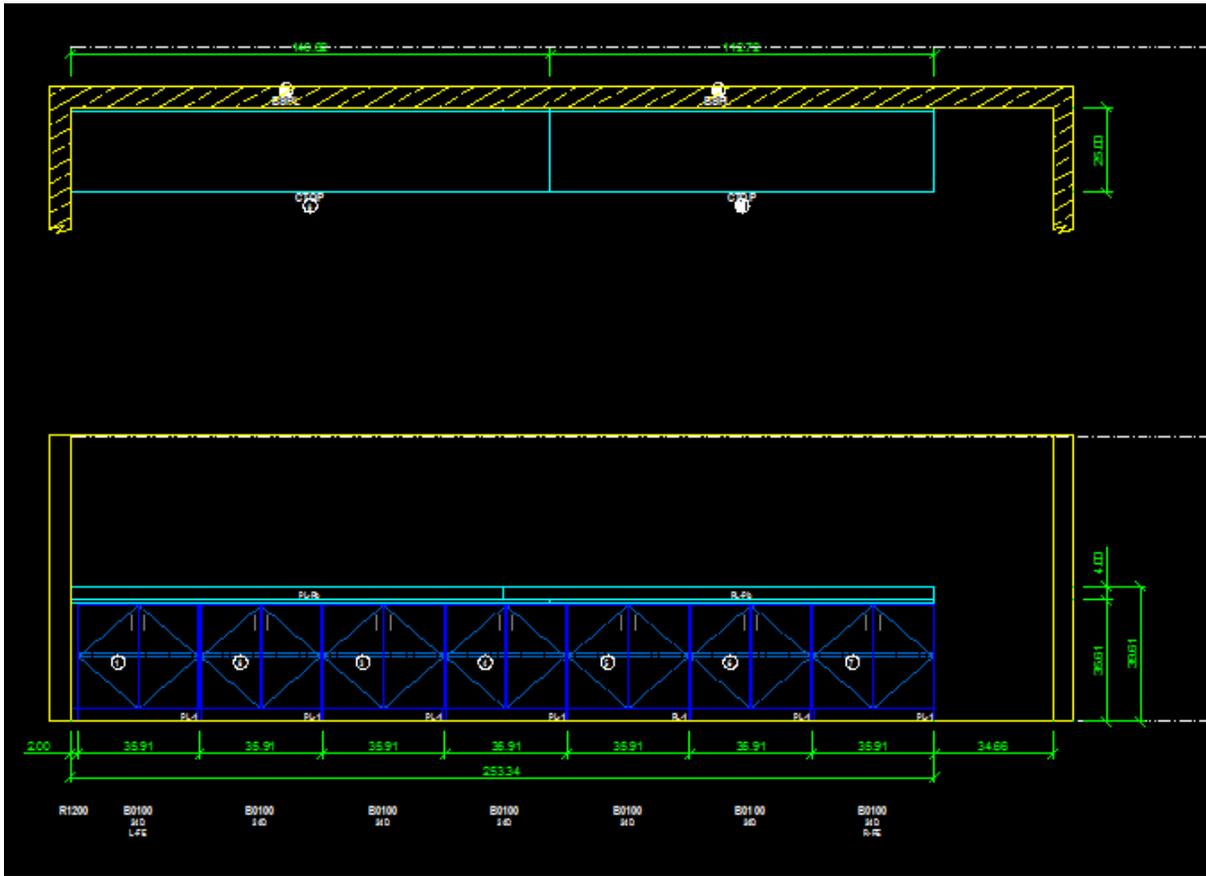
Overlap Cabinet Splice
by [inches]

Span over empty Spaces

Same Size Tops.....Select for splices to be evenly spaced. For the example below, I have an overall length of 253.34" and this option splits my top into two tops at 126.67".



Overlap Cabinet Splice: . This is the default selection and is set to 5 as a default. For the example below I have an overall length of 253.34" and this option splits my top into one at 140.62" and one at 112.72".



Span Over Empty space: When checked Top will span over a space between two or more cabinets of the same depth.

Top Corner Options

Top Corner Options			
	Option	X or Rad [Inch]	Y [Inch]
Back Left:	Square ▼	0	0
Back Right:	Square ▼	0	0
Front Left:	Square ▼	0	0
Front Right:	Square ▼	0	0

Option: Corner type designation.
(Square, Angled, Radiused)

X or Rad (Inch): Radius in inches for radiused corner or X length for angled corner.

Y (Inch): Y length for angled corner.

Back Left:..... Type of corner required for back left corner of top.

Back Right:.....Type of corner required for back right corner of top.

Front Left:.....Type of corner required for front left corner of top.

Front Right:Type of corner required for front right corner of top.

Splashes

Splashes			
	Include Splash	Height [Inches]	Splash Thickness
Back Splash:	<input checked="" type="checkbox"/>	4	1.125
Left Side Splash:	<input type="checkbox"/>	4	1.125
Right Side Splash:	<input type="checkbox"/>	4	1.125

Back Splash: Split into three inputs a check box to include back splash if checked, an input box for the height of the back splash in inches, and an input box for the splash thickness entered in inches.

Left Side Splash: Split into three inputs a check box to include left side splash if checked, an input box for the height of the left side splash in inches, and an input box for the splash thickness entered in inches.

Right Side Splash: Split into three inputs a check box to include right side splash if checked, an input box for the height of the right side splash in inches, and an input box for the splash thickness entered in inches.

Left Corner Condition and Right Corner Condition

Left Corner Condition

Left Return Depth [inches]: 0

Right Corner Condition

Right Return Depth [inches]: 0

Corner conditions are only active when there is a corner return condition. The program recognizes this when the 00BC or R1250 are used.

Tutorial 5

1. Edit Elevation 001
2. Right click on the R1200 in the Line Item tab. (It should be Cab# 2) Select Add Tops/Splashes.
3. Set the General Top Option however you want
4. Set the right overhang to 1
5. Include Back Splash and Left Splash
6. Select ok
7. Select Update 2D
8. Edit Elevation 002
9. Right click on left R1200 and select Add Tops/Splashes.
10. Select Same Size Tops
11. Turn off all splashes
12. Select ok
13. Select Update 2D
14. Edit Elevation 003
15. Right click on left corner return and select Add Tops/Splashes
16. Notice the settings the left and right corner conditions.
17. Select ok
18. Notice the left and right return tops did not draw. This process is still in review as far as how tops in corner situations should draw.

Move/Align Item

This selection allows models to be moved by adjusting the offset distance for the model that was right clicked on. Model offsets can be modified in height, depth, or width. Adjusting the offset can also be done by editing the cabinet and adjusting the offsets in the cabinet entry screen.

The other option is to align models in either depth or height alignment choices.

Enter the Distance (in Inches), by which you want to move the selected line item.
You may enter positive or negative values (decimal Inches).

Width Movement (Inches):

Depth Movement (Inches):

Height Movement (Inches):

OR:

Depth Alignment

- Keep as is
- Front of Left Item
- Front of Right Item
- Back of Left Item
- Back of Right Item

Height Alignment

- Keep as is
- Top of Left Item
- Top of Right Item
- Bottom of Left Item
- Bottom of Right Item

Front of left Item:.....Aligns the front of the cabinet that was right clicked on and aligns to the front of the cabinet to the left.

Front of Right Item:.....Aligns the front of the cabinet that was right clicked on and aligns to the front of the cabinet to the right.

Back of Left Item:Aligns the back of the cabinet that was right clicked on and aligns to the back of the cabinet to the left.

Back of Right Item:.....Aligns the back of the cabinet that was right clicked on and aligns to the back of the cabinet to the right.

Top of Left Item:Aligns the top of the cabinet that was right clicked on and aligns to the top of the cabinet to the left.

Top of Right Item:Aligns the top of the cabinet that was right clicked on and aligns to the top of the cabinet to the right.

Bottom of Left Item:Aligns the bottom of the cabinet that was right clicked on and aligns to the bottom of the cabinet to the left.

Bottom of Right Item: ...Aligns the bottom of the cabinet that was right clicked on and aligns to the bottom of the cabinet to the right.

Switch Item Left and Switch Item Right

This selection will switch the cabinet that was right clicked on with the cabinet to the left if Switch Item Left is selected and to the right if Switch Cabinet Right is selected.

Tutorial 6

1. Edit Elevation 003
2. Right click on the B4040 and select Switch Item Left.
3. Update 2D
4. Edit Elevation 002
5. Edit the center two B0000's and change their depth to 24. Notice the finished end conditions.
6. Right click on the left center B0000 and select Move/Align cabinet
7. Set the Depth Alignment to Front of Left Item. Select ok and notice end conditions.
8. Right click on the right center B0000 and select Move Align Cabinet.
9. Set the Depth Alignment to Front of Right Item. Select ok and notice end conditions.

Mirror Entire Elevation

This selection will mirror the elevation. When you mirror an elevation that was originally aligned left it will change to aligned right during the mirror.

Copy Entire Elevation

This selection will open the elevation entry screen for entry of the information that pretains to the elevations being copies to. The information from the elevation being copied will be already filled in make the necessary changes and select ok and Draw 2D.

The screenshot shows the 'Elevation Layout' dialog box with the following fields and options:

- Elevation Info:**
 - Elevation #: 002
 - Room #: B100
 - Room Name: ART
 - Arch. Ref. #: a10/5.12
- Room Dimensions:**
 - Elev. Length: 24' 0"
 - Ceiling Height: 7' 0"
 - Wall Cab Ins. Height (mm): 2124
 - AutoCAD 2D Dim Option: All Dimensions
- Wall Info:**
 - Back Wall Angle: Length:
 - Left Wall 90 3' 0"
 - Right Wall 90 3' 0"
 - Show Left Wall End Broken
 - Show Right Wall End Broken
- Other Options:**
 - Align Cabinets to Left Wall
 - Elevation Qty: 1
 - Phase Number: 1
 - Pipe Chase [Inches]: 0
- Layout Tab Options:**
 - Scale: 3/8" = 1"
 - Sheet Size: 11x17
- Field Check Info:**
 - Date/User who applied last F.Check

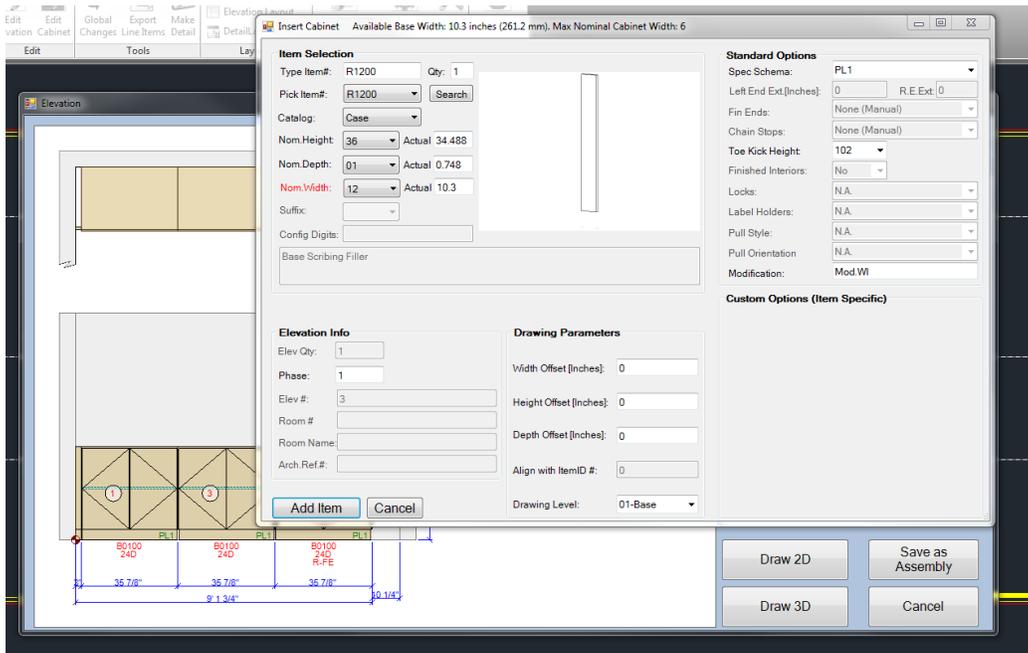
Buttons: OK, Cancel

Tutorial 7

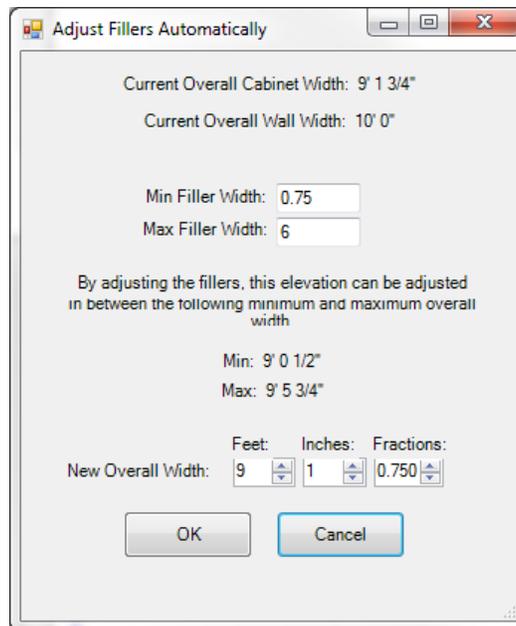
1. Edit Elevation 001
2. Right click in a model in the elevation and select Copy Elevation/Change Elev#
3. In the Elevation Layout window change the following
 - a. Elevation #: 005
 - b. Room #: B500
 - c. Room Name: FIFTH GRADE
 - d. Select OK
4. Select Update 2D
5. Edit Elevation 005
6. Right click on the elevation and select Mirror Entire Elevation
7. Select Update 2D

Field Check (Fillers)

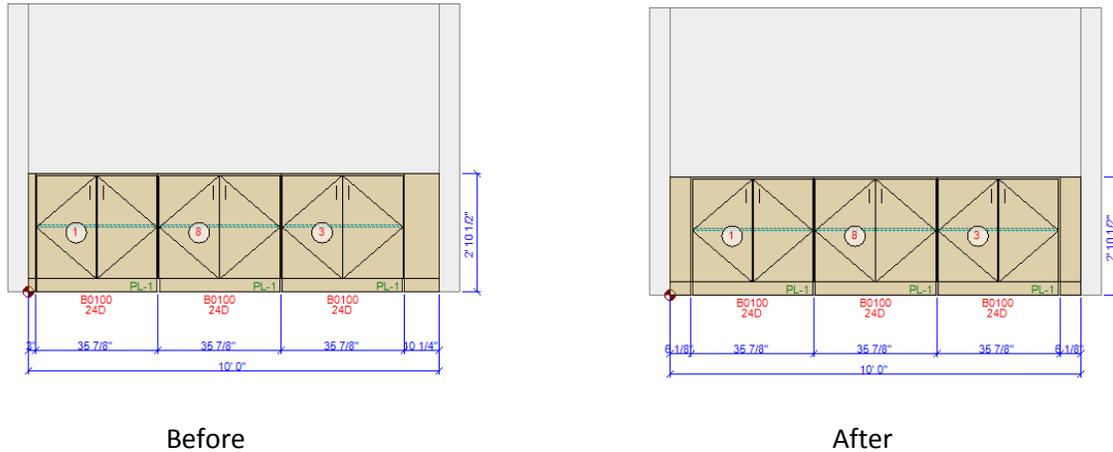
This selection allows auto adjustment for fillers in wall to wall conditions. Below is an elevation I will add the right hand filler too. Notice at the top of the Insert cabinet screen the available width space is noted, this allows for quickly setting the actual width.



After the filler is added right click somewhere in the elevation and select Field Check. The Adjust Filler Automatically screen will appear.



The min Filler Width and Max Filler width are default setting that are set in the Setup Screen. The Setup screen is discussed in more detail in chapter 6. If your adjustment will require the fillers to be under the min or over the max you will get a warning error, you can continue through the message and adjust your min or max filler width to accommodate the adjustment.



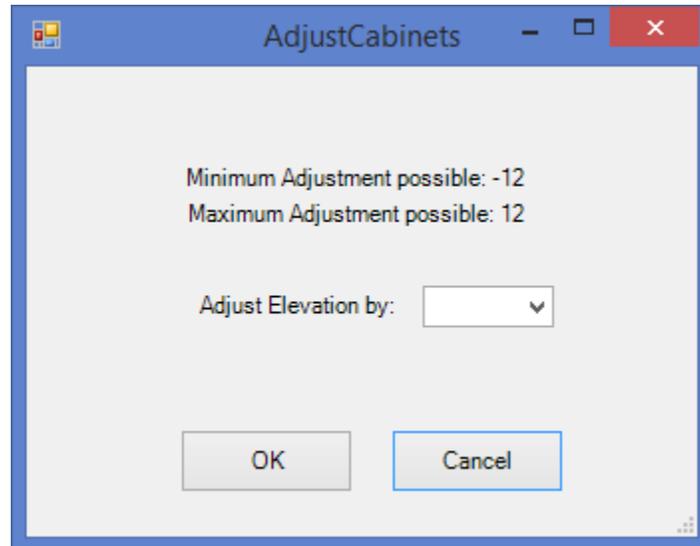
New Overall Width: Allows for a change in the elevation length. Above the the input box for Feet and Inches is the minimum and maximum adjustment that can be made larger or smaller while keeping within the constraints of the min and max filler widths.

Tutorial 8

1. Add a new Elevation.
 - a. Elevation #: 006
 - b. Room #: B600
 - c. Room Name: SIXTH GRADE
 - d. Elev. Length: 12'-6"
2. Select OK
3. Add the following models
 - a. (4) B0100 36 24 36
 - b. (4) W0300 30 16 36
4. Add Tops/Splashes
5. Right Click on elevation and select Field Check (Fillers)

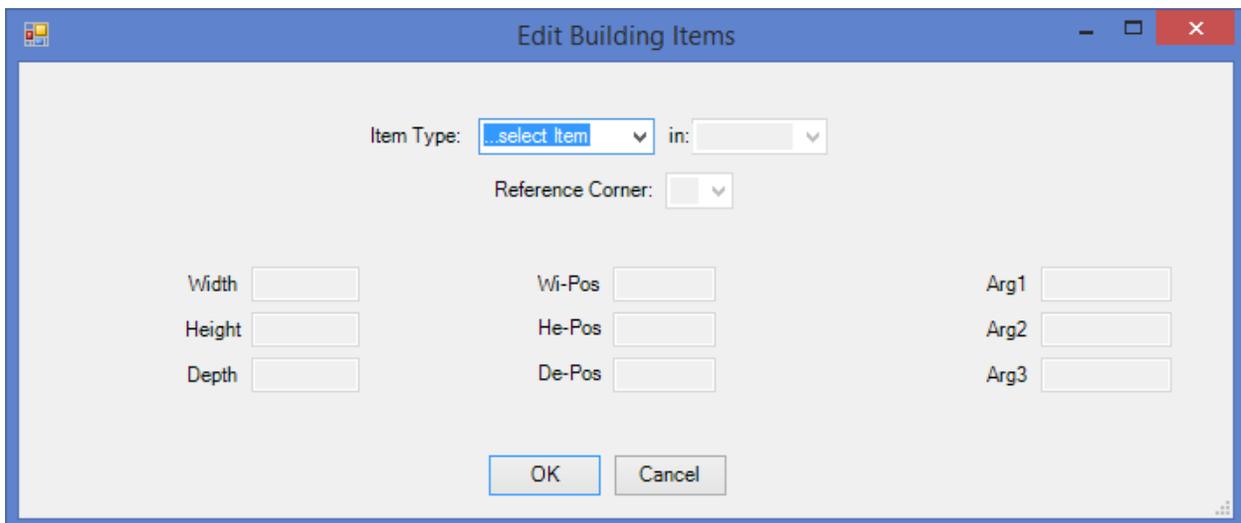
Adjust Cabinets

This selection allows for the cabinet to be adjusted in width. Enter a width between -12 and 12 keeping within the 3" inc. the available adjustments are listed in the drop down. If the adjustment is not an available size for that model the adjustment will not be made.



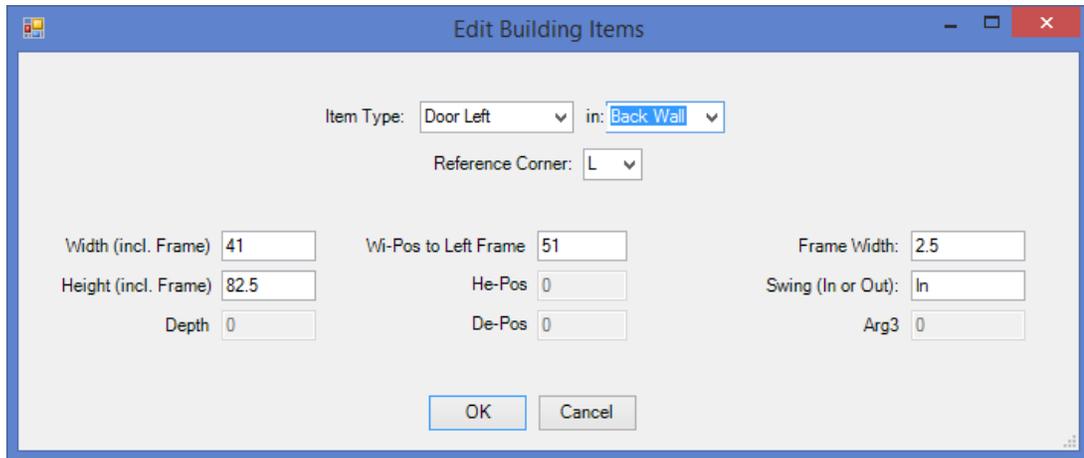
Add Building Item / Edit Building Item

These selection opens the Edit Building Items screen. Where Doors, Windows, Columns, Soffits, Roughins, duplexes, light switches and other building items can be added to the drawing.

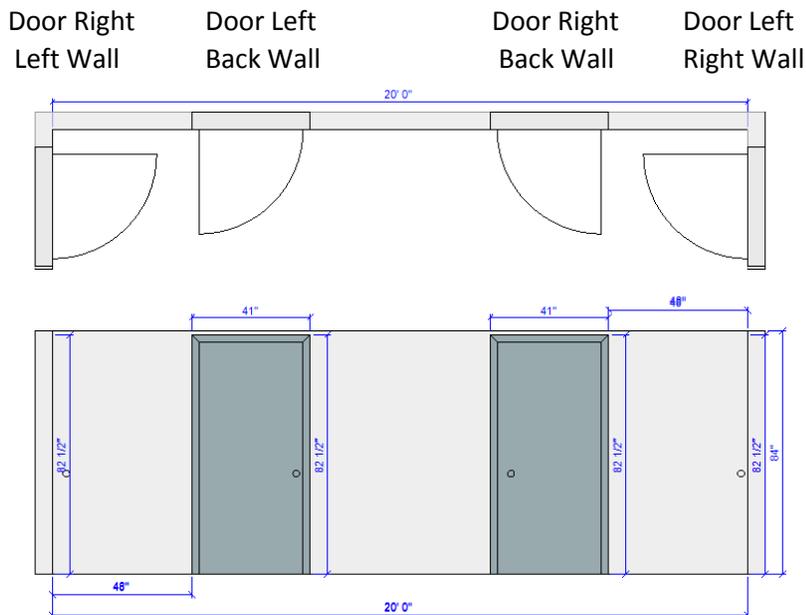


Item Type:Select the building item you wish to add. Available options:

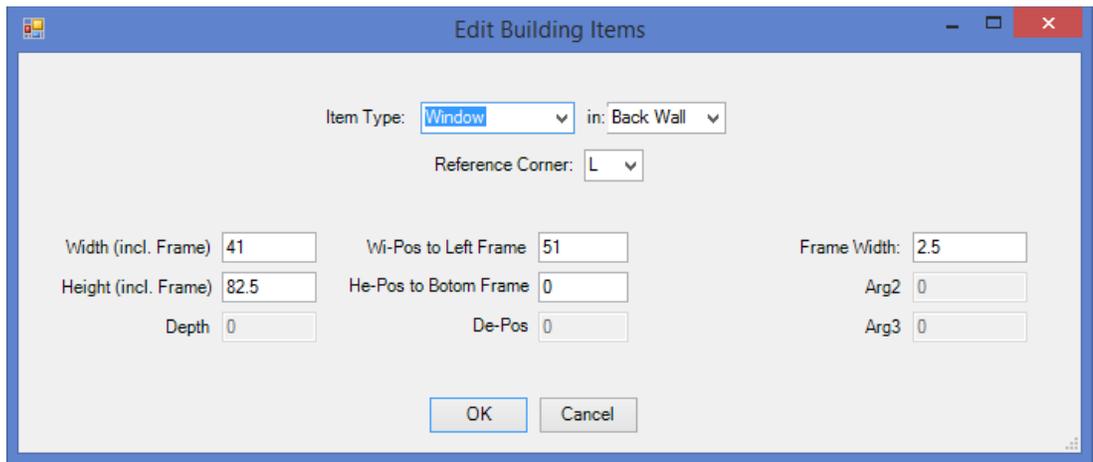
- **Door Left and Door Right**



In: Back Wall, Left Wall or Right Wall
 Reference Corner: L or R
 Width (inc Frame): Width of door with frame in inches.
 Height (inc Frame): Height of door with frame in inches.
 Wi-Pos to Left Frame: Position from zero reference to the leftmost part of the frame.
 Frame WD: Width of the door frame.
 Swing: Designate swing In or Out.



- **Window**

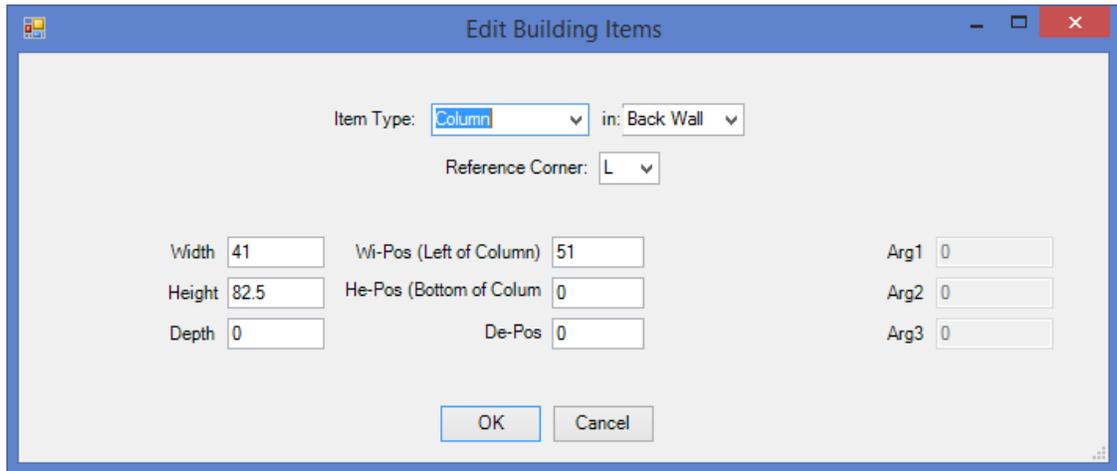


- In: Back Wall, Left Wall or Right Wall
- Reference Corner: L or R
- Width (inc Frame): Width of window with frame in inches.
- Height (inc Frame): Height of window with frame in inches.
- Wi-Pos to Left Frame: Position from zero reference to the leftmost part of the frame.
- He-Pos to Bot Frame: Position from zero reference to the bottom of the frame.
- Frame WD: Width of the door frame.

Window Left Wall Window Back Wall Window Right Wall

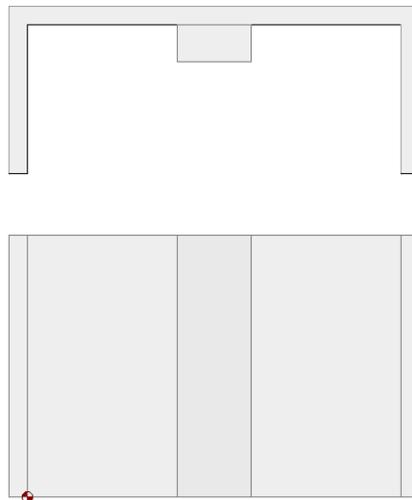


- **Column**



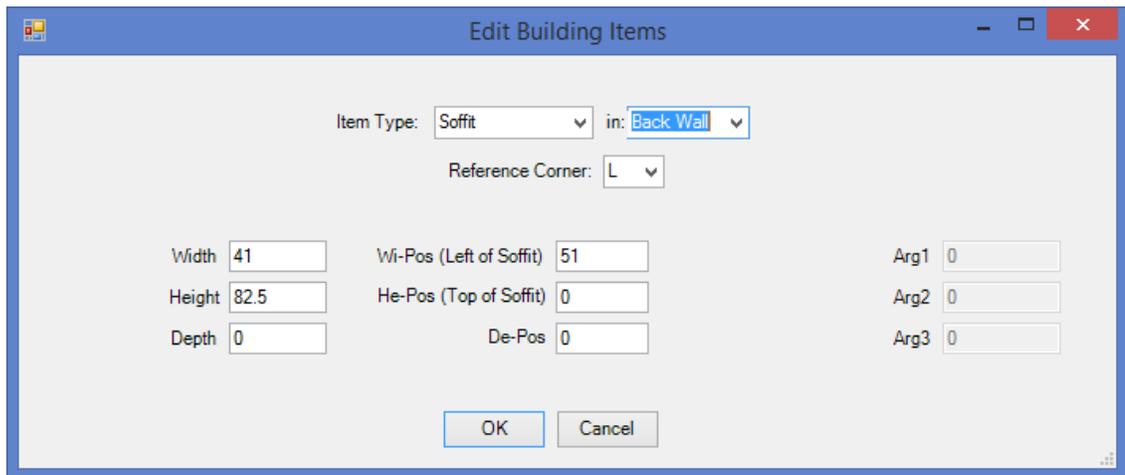
- In: Back Wall, Left Wall, or Right Wall
- Reference Corner: L or R
- Width: Width of column in inches.
- Height: Height of column in inches.
- Depth: Depth of column in inches.
- Wi-Pos to Left Column: Position from zero reference to the leftmost part of the column.
- He-Pos to Bot Column: Position from zero reference to the bottom of the column.
- De - Pos: Depth position for the column.

Column
Back Wall



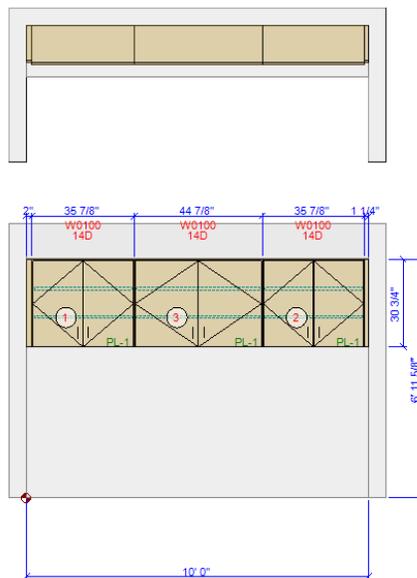
* Columns in the left and right wall are not working correctly at this time. The developer has been notified.

- Soffit

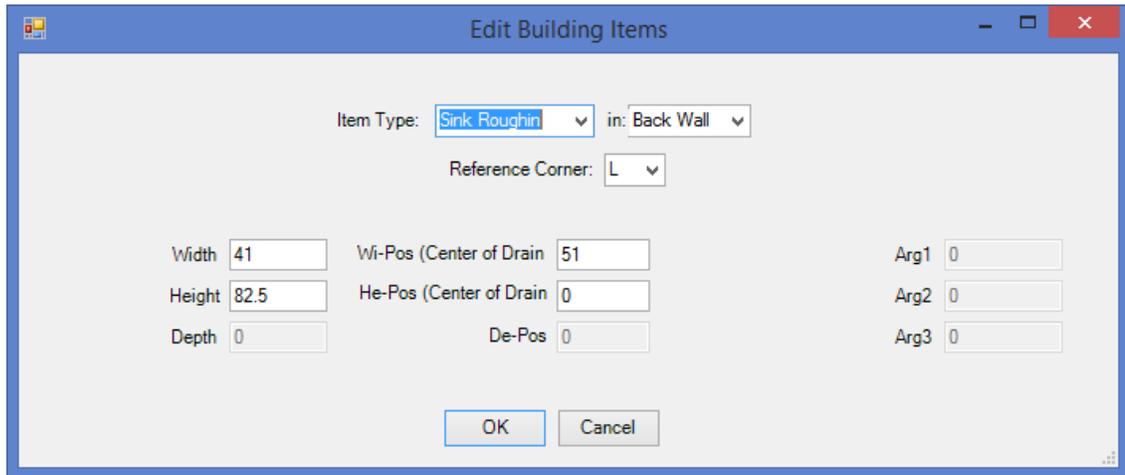


- In: Back Wall, Left Wall, or Right Wall
- Reference Corner: L or R
- Width: Width of soffit in inches.
- Height: Height of soffit in inches.
- Depth: Depth of soffit in inches.
- Wi-Pos to Left Column: Position from zero reference to the leftmost part of the soffit.
- He-Pos to Bot Column: Position from zero reference to the bottom of the soffit.
- De - Pos: Depth position for the soffit.

Soffit

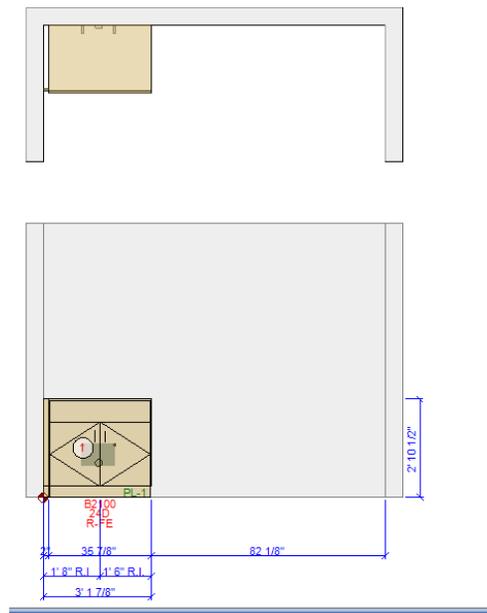


- Sink Ruffin

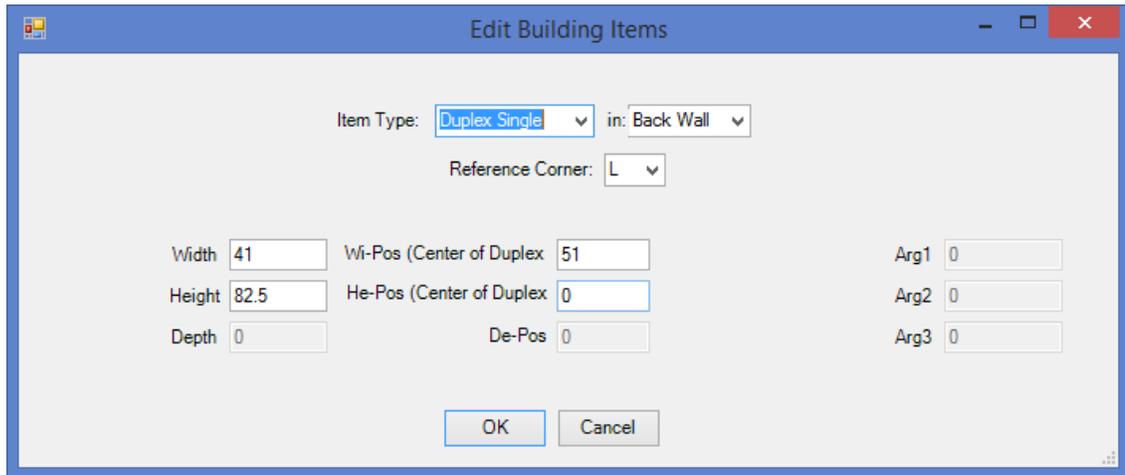


- In: Back Wall, Left Wall or Right Wall
- Reference Corner: L or R
- Width: Width of roughin in inches.
- Height: Height of roughin in inches.
- Wi-Pos to Left Column: Position from zero reference to the leftmost part of the roughin.
- He-Pos to Bot Column: Position from zero reference to the bottom of the roughin.

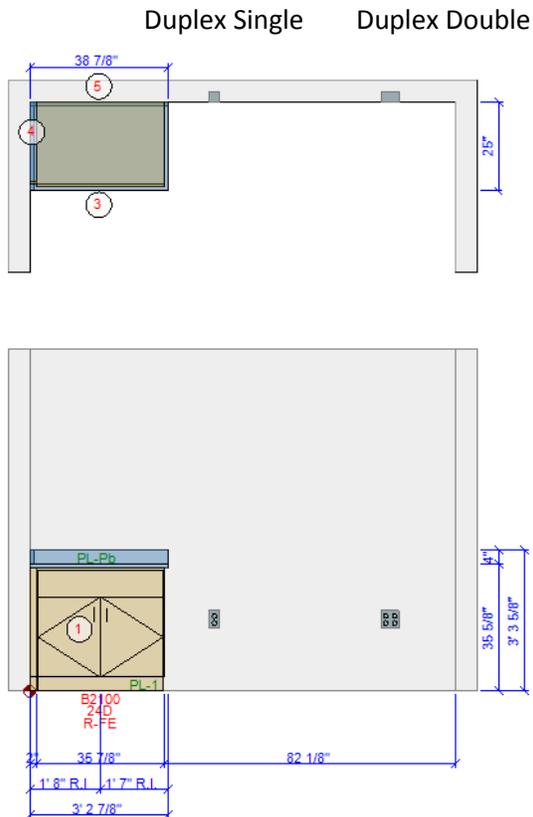
Sink Roughin



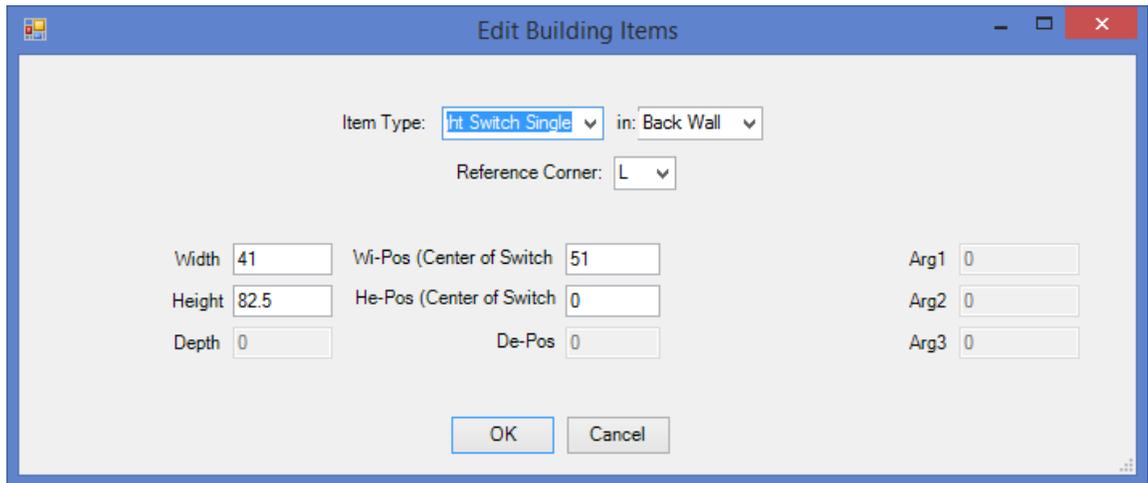
- Duplex Single and Duplex Double



- In: Back Wall, Left Wall, or Right Wall
- Reference Corner: L or R
- Width: Width of duplex in inches.
- Height: Height of duplex in inches.
- Wi-Pos to Left Column: Position from zero reference to the leftmost part of the duplex.
- He-Pos to Bot Column: Position from zero reference to the bottom of the duplex.



- Light Switch Single, Light Switch Double, Light Switch Triple, and Light Switch Quad



In: Back Wall, Left Wall, or Right Wall

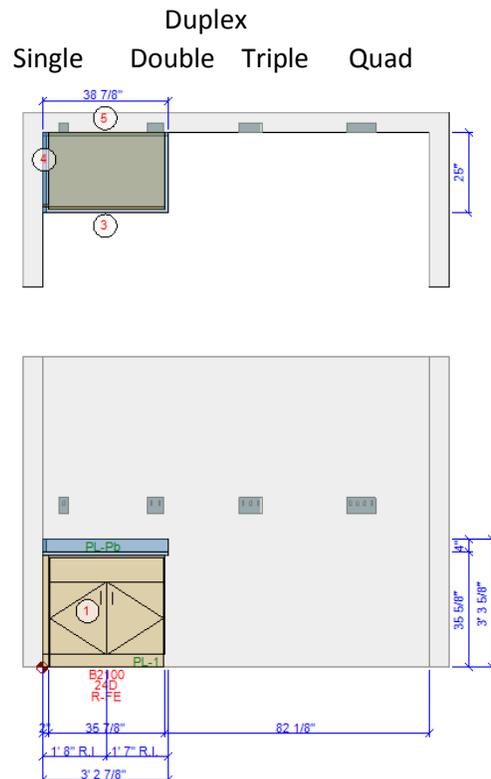
Reference Corner: L or R

Width: Width of switch in inches.

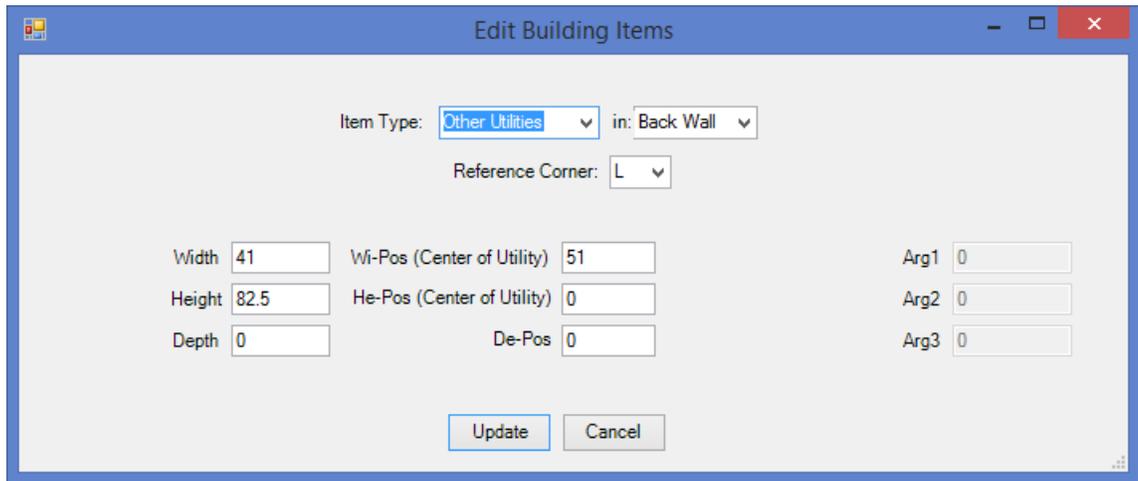
Height: Height of switch in inches.

Wi-Pos to Left Column: Position from zero reference to the leftmost part of the switch.

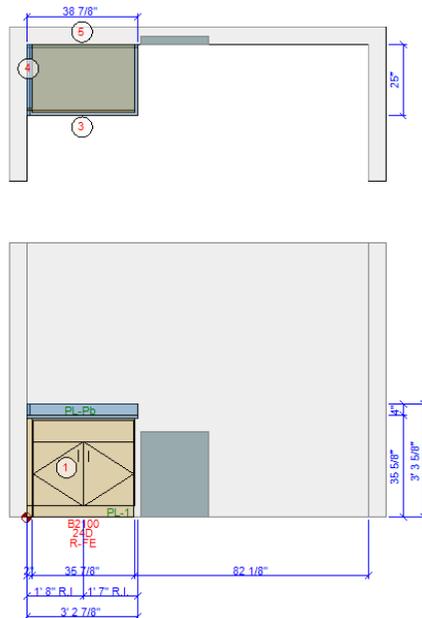
He-Pos to Bot Column: Position from zero reference to the bottom of the switch.



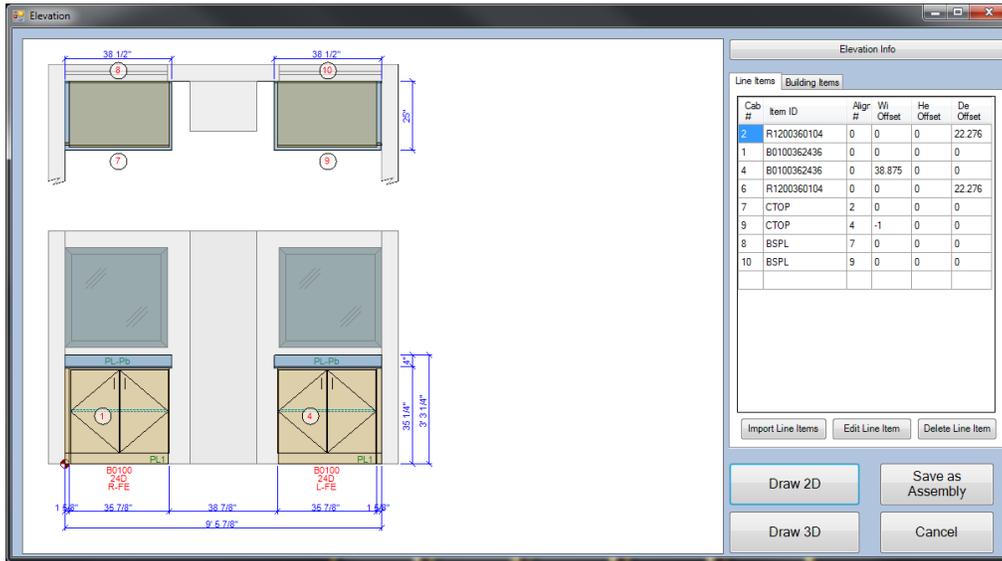
- Other



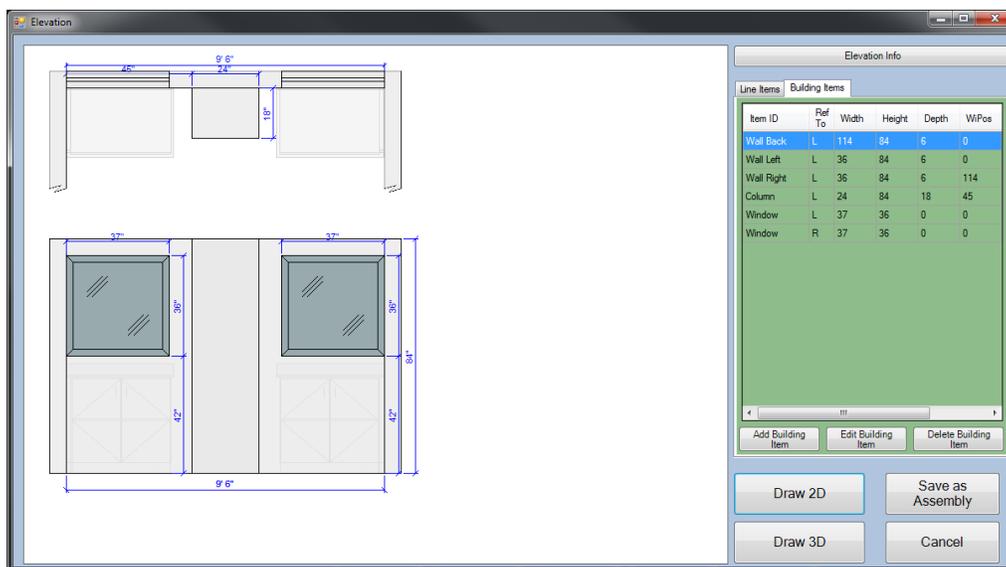
- In: Back Wall, Left Wall, or Right Wall
- Reference Corner: L or R
- Width: Width of other utilities in inches.
- Height: Height of other utilities in inches.
- Depth: Depth of other utilities in inches.
- Wi-Pos to Left Column: Position from zero reference to the leftmost part of other utilities.
- He-Pos to Bot Column: Position from zero reference to the bottom of other utilities.
- De - Pos: Depth position for the soffit.



Elevation with Building items displayed on the Line Items Tab.



Elevation with Building items displayed on the Building Items Tab.



Delete Building Item

Deletes the building item you right click on.

Undo

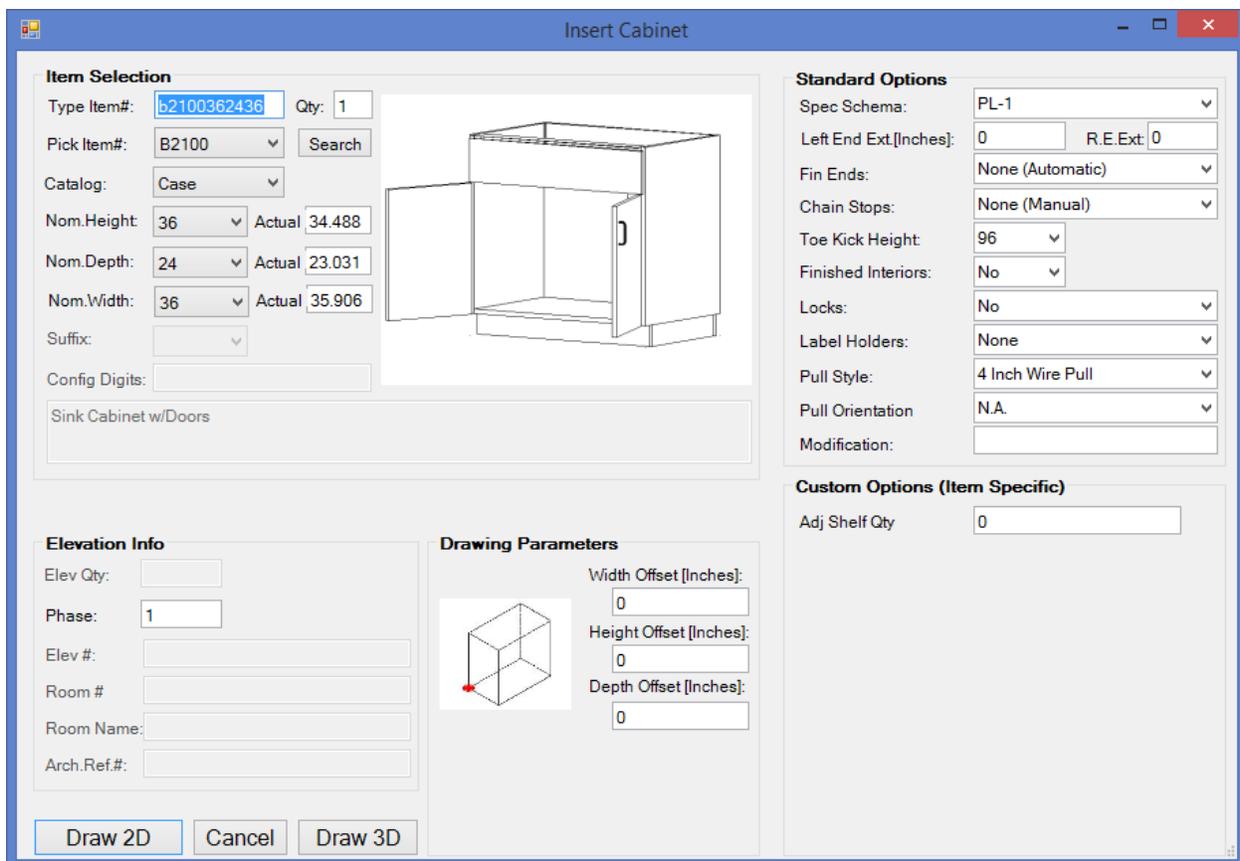
Will undo the last command.

Tutorial 9

1. Add a new elevation 007
2. Add Door
3. Add Window
4. Add Column

Draw Cabinet and Edit Cabinet

When Draw Cabinet is selected the Insert Cabinet window will open. It will have the same functionality as when it is open from within the Elevation window. With the exception of the Drawing Parameters section.



When adding cabinets in AutoCAD the insertion point will be the lower left hand corner of model for base level models and upper left right for wall level models. The insertion location is noted in the drawing parameter with a red dot.

You can build your elevation entirely with in AutoCAD with Draw and Edit Cabinet. However for speed and accuracy you will find that it will take the combination of Draw Elevation and Draw Cabinet. The zero-reference item will be the most common items entered this way.

IMPORTANT: Toggling the PICKSTYLE command in AutoCAD will allow different levels of changes to be made to models.

PICKSTYLE: (Shortcut CTRL H)

<1> Moves the entire model including the plan view as one entity.

<0> Allows movement of entities within a model independently.

Tutorial 10

1. Add a new elevation 008
2. Set the Room #, Room name, and Arch. Ref. #
3. Set the Elev. Length to 10'-0"
4. Set the Right wall Angle: to 270
5. Add the following cabinets
 - a. (3) B3100 36 24 36
 - b. (3) W0300 24 16 36
6. Add Tops/Splashes
7. Select OK
8. Select Draw 2D and place elevation in AutoCAD
9. Select Edit Cabinet
10. Choose the left most W0300 and Enter
11. Change the Nom. Height to 30
12. Repeat this for the R1000 and the remaining W0300's
13. Do a CTRL H to set the pick style to 0
14. Move the filler and wall cabinets down to the wall mounting height
15. Do a CTRL H to set the pick style back to 1
16. Erase the center B3100
17. Select Draw Cabinet
18. Add item RKEY0
19. Place it in the opening where the B3100 was.
20. Move it to your desired placement under the countertop
21. Select Edit Cabinet and select the W0300 in the center
22. Change the Shelf Qty to 3
23. Update 2D (The wall cabinet will draw in the wrong location and the filler is the wrong width)
24. Select edit Elevation
25. Select an item in the elevation and Enter
26. Right click on the filler and select Edit Line Item set the Actual Width to 2.0
27. Right click on the center W0300 and select Move/Align Item and align Top Left
28. Update 2D

MISCELLANEOUS ITEM ENTRY

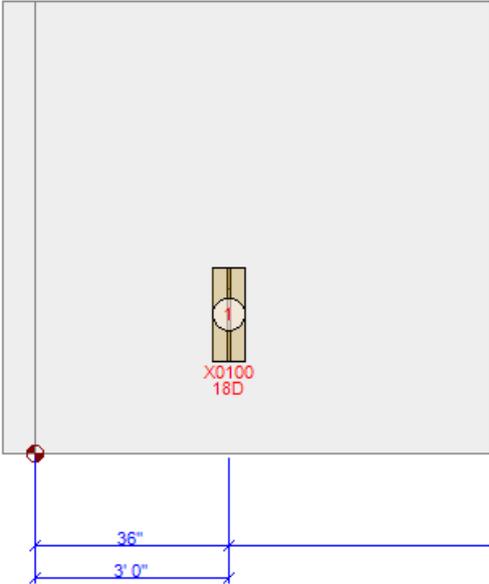
The following are items that are a little tricky to enter into elevations.

Cantilevers

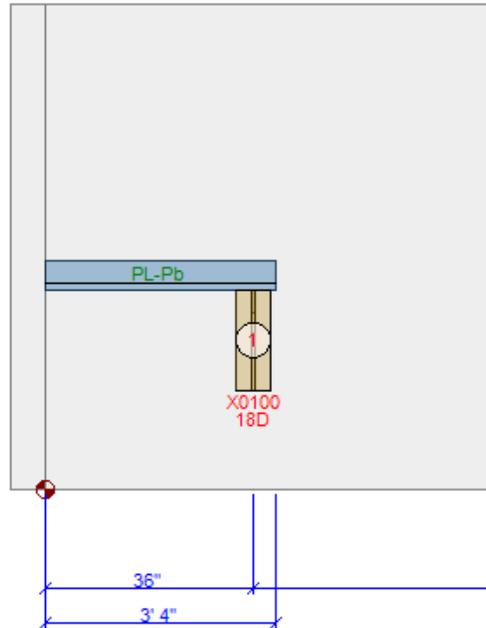
Elevations with cantilevers can be tricky to enter. The program treats them similar to zero reference items. When adding a cantilever to an elevation that already has models in it the cantilever mounting height will match the cabinet next to it. However if the cantilever is the first item or the only item in the base level the program will place it at a mounting height of nominal 36 or 2'-10 1/2" (876mm). For placement at a different nominal height refer to the chart below for the Height Offset to use.

Nominal	Offset
24	-11.34
26	-10.08
30	-5.04
32	-3.78
34	-2.52
36	0
39	3.78
42	6.3
48	12.6

When adding cantilevers you will need to set the Width Offset to get the space to the left of the cantilever. The distance is from the wall of item to the left (if aligning left) to the center of the cantilever.



Adding countertops to elevations with cantilevers as the first item or the only items in the base level will require some planning before adding. To begin right click on the item in the Line items tab and select Add Tops/Splashes. You will not be able to right click on the item in the elevation. You will need to set the left overhang to the distance from the start of the space to the center of the cantilever and the right overhang is the distance from the center to where the top ends. In the above elevation the left overhang is 36 and the right is 4.



Tutorial 11

1. Add a new elevation 009
2. Set the Elev. Length: 9'-0"
3. Add a line item X0500 with the following settings
 - a. Qty: 2
 - b. Width Offset: 36
 - c. Height Offset: -5.04
4. Add Tops/Splashes by right clicking on the Cab #1 in the line Items tab
5. Set the following options
 - a. Top Overhang Left: 36
 - b. Top Overhang Right: 36
 - c. Uncheck the Back Splash
 - d. Make sure Span over empty Spaces is checked
6. Draw 2D

Corner Cabinets

Corner cabinets will have an additional Custom Option, Draw. This allows the models to be represented in both elevations and set to export from one.

Item Selection

Type Item#: X9840 Qty: 1

Pick Item#: X9840 Search

Catalog: Case

Nom. Height: 60 Actual 59.685

Nom. Depth: 24 Actual 23.031

Nom. Width: 48 Actual 47.874

Suffix:

Config Digits:

Diagonal Corner Cabinet w/Doors

Standard Options

Spec Schema: PL-1

Left End Ext [Inches]: 0 R.E. Ext: 0

Fin Ends: None (Manual)

Chain Stops: None (Manual)

Toe Kick Height: 96

Finished Interiors: No

Locks: No

Label Holders: None

Pull Style: 4 Inch Wire Pull

Pull Orientation: N.A.

Modification:

Custom Options (Item Specific)

Adj Shelf Qty: 4

Draw: Left Corner (Export Yes)

Left Corner (Export Yes)

Left Corner (Export No)

Right Corner (Export Yes)

Right Corner (Export No)

Elevation Info

Elev Qty: 1

Phase: 1

Elev #: 009

Room #

Room Name:

Arch. Ref.#:

Drawing Parameters

Width Offset [Inches]: 0

Height Offset [Inches]: 0

Depth Offset [Inches]: 0

Align with ItemID #: 0

Drawing Level: 01-Base

Add Item Cancel

W9000 Series Wall Cabinets

W96 and W99 series cabinets will have an additional Custom Option, Extend EP down. This allows for the choice of extending the end panels down on the left, right, both or none.

Item Selection

Type Item#: w9600 Qty: 1

Pick Item#: W9600 Search

Catalog: Case

Nom. Height: 12 Actual 11.811

Nom. Depth: 12 Actual 11.811

Nom. Width: 48 Actual 47.874

Suffix:

Config Digits:

Open Task Lighting Cabinet

Standard Options

Spec Schema: PL-1

Left End Ext [Inches]: 0 R.E. Ext: 0

Fin Ends: None (Automatic)

Chain Stops: None (Manual)

Toe Kick Height: N.A.

Finished Interiors: No

Locks: N.A.

Label Holders: N.A.

Pull Style: N.A.

Pull Orientation: N.A.

Modification:

Custom Options (Item Specific)

Adj Shelf Qty: 0

Extend EP down: None

None

Left

Right

Both

Elevation Info

Elev Qty: 1

Phase: 1

Elev #: 009

Room #

Room Name:

Arch. Ref.#:

Drawing Parameters

Width Offset [Inches]: 0

Height Offset [Inches]: 0

Depth Offset [Inches]: 0

Align with ItemID #: 0

Drawing Level: 02-Wall

Add Item Cancel

Tutorial 12

1. Add a new elevation 010
2. Set the Following Options
 - a. Elev. Length to 9'-6"
 - b. No Left Wall
 - c. No Right Wall
3. Add the following items
 - a. (1) W9640 36 14 36
 - i... Width Offset: 3
 - ii... Extend End EP Down: Left
 - b. (1) W9600 36 14 36
 - c. (1) W9640 36 14 36
 - i... Extend End EP Down: Right
 - d. Draw 2D
4. Select Draw Cabinet
5. Add a R9600 04 01 96
 - a. Modify the Actual width to 106.18

Science and Technology

Many of the models in the Science and Technology Sections have additional Custom options. Listed below are some of the Models and their Custom Options.

- **S5100** - Allows for selecting the Front, Left, Right and Back Cabinets required. Default to S0000-1 Adj.
- **S5120** - Allows for selecting the Front, Left, Right and Back Cabinets required. Default to None.
- **S7050, S7070, S7100, S7120, S7150, S7170** - Allows for selecting the Bridge Height of 30, 34, or 36.
- **S7060, S7110, S7160** - Allows for selecting the Bridge Height of 30, 34, or 36 and Drop option of On Left Side or On Right Side.
- **S7330, S7340, S7350, S7391, S7430, S7440, S7450, S7491, S7530, S7540, S7550, S7591** - Allows for selecting the option of On Left Side or On Right Side.
- **SA100** - Allows for selecting the Crossbar Direction of Left or Right.
- **SE010, SE011, SE020, SE021, SE220, SE221** - Allows for selecting the Duplex Facing option of Front, Back, or side along with export constraints.
- **Science Valves** - Allows for selecting the Valve Facing and export constraints.
- **SS720, SS600** - Allows for selecting the Orientation and export constraints.
- **KS060, KS070** - Allows for selecting the Sink Facing and export constraints.
- **F7300, F7340, F7350, F7110** - Allows for selecting the Draw option of Left or Right and the export constraint.

Stacking Cabinets

Stacking cabinets will take some planning and will involve using both the Elevation screen as well as editing inside of AutoCAD.

Tutorial 13

1. Add a new elevation 011
2. Set the Following Options
 - a. Elev. Length: 15'-0"
 - b. Ceiling Height: 9'-0"
 - c. Wall Cab Ins Height: 2284
3. Add the following line items
 - a. (4) B1200 30 29 24
 - b. (1) T2800 90 29 48
4. Add Tops/Splashes without a backsplash
5. Add the following line items
 - a. (2) H1600 30 16 48
 - b. (2) W0100 32 16 48
 - c. Field Check Fillers
 - d. Delete the R1000
 - e. Update the R1300, set the Actual Height to 55.119
6. Update 2D

Zero Reference Items

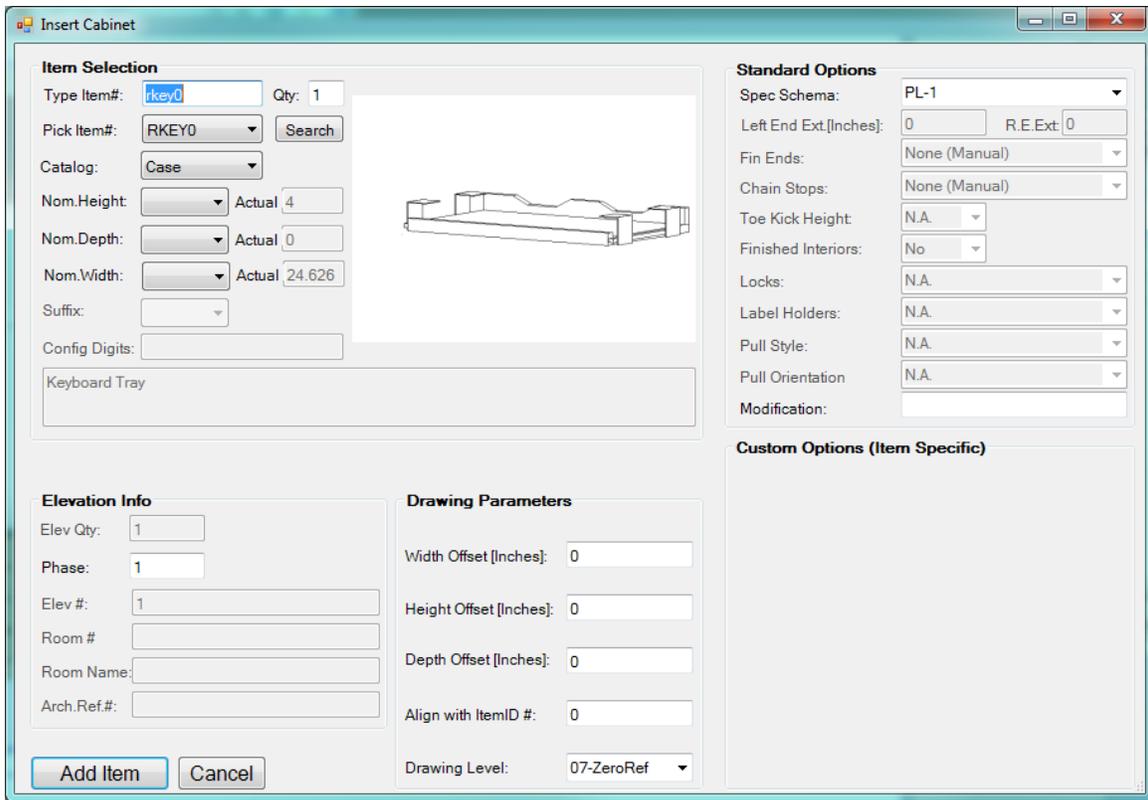
Zero reference items are entered bases on the right kick location when entering a new line. This can be changed to the elevations zero reference point before the model is added to the elevation. The elevations zero reference point is either the lower left or lower right hand corner. Refer to Appendix A for a comprehensive list of the zero reference items. In the tutorial we will walk though entering Keyboard Trays and KV Shelving.

Many of the items in the Zero Reference table have multiple insertion nodes. This allows for them to have multiple insertion locations. We will use the RKEYO for the first example. I have right clicked in the center just below the countertop in the elevation below.

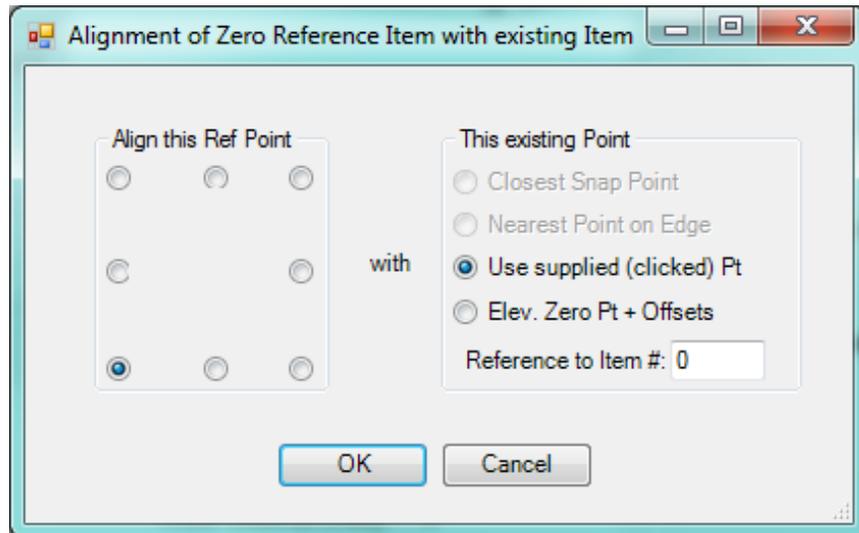
RKEYO

The screenshot shows the 'Elevation' software interface. The main window displays a kitchen elevation with dimensions and callouts. A callout '4' is placed below the countertop. The elevation info panel on the right shows a table of line items.

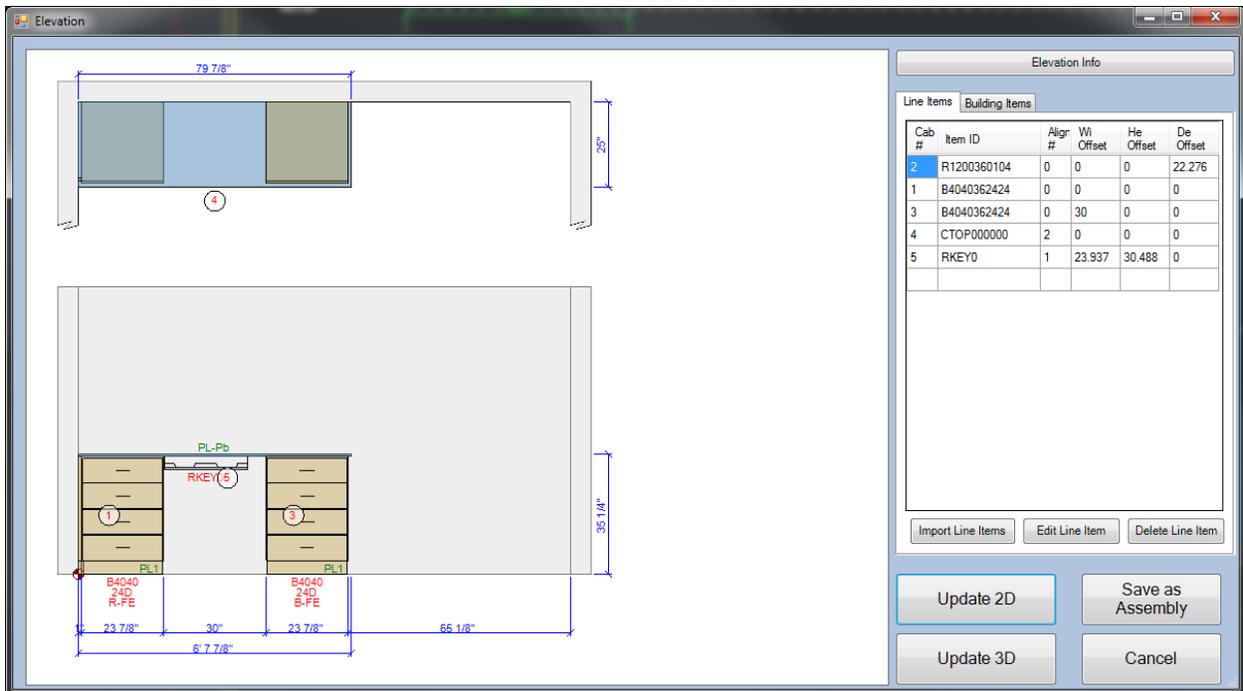
Line #	Item ID	Align #	Wt Offset	He Offset	De Offset
2	R1200360104	0	0	0	22.276
1	B4040362424	0	0	0	0
3	B4040362424	0	30	0	0
4	CTOP	2	0	0	0



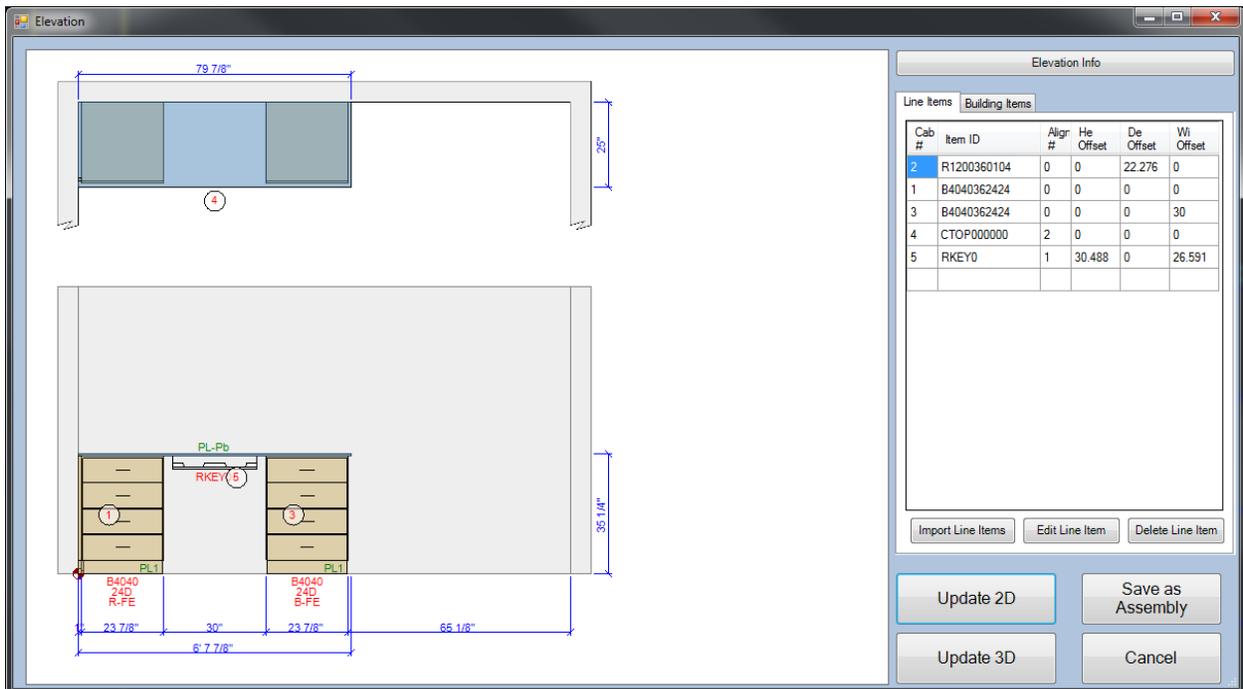
After selecting Add Line Item and entering RKEY0 into the Type Item # the Insert Cabinet window should look like the one above. After selecting Add Item the Alignment window will appear.



Using the selection, Use supplied (clicked) Pt and the bottom left point for the Align this Ref Point will place the keyboard in the following location. The bottom left corner of the RKEY0 was placed at my right click point.



A better choice in this situation would be to use the same right click and use center top for the Align this Ref Point. If required adjustments can easily be made in AutoCAD.



R2060

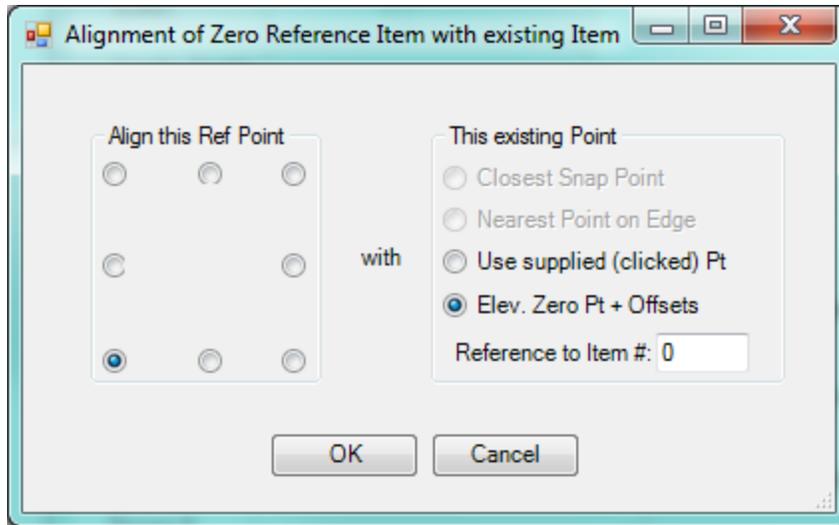
For KV Shelving we will use the width and depth offset for placement. Right click in the area for desired placement and select Add Line Item. Type R2060 in the Type Item # along with the required Height, Depth, and Width. The Insert Cabinet window below shows the Width Offset being set to 41.5" and the Height Offset being set to 12".

The screenshot shows the 'Insert Cabinet' dialog box with the following settings:

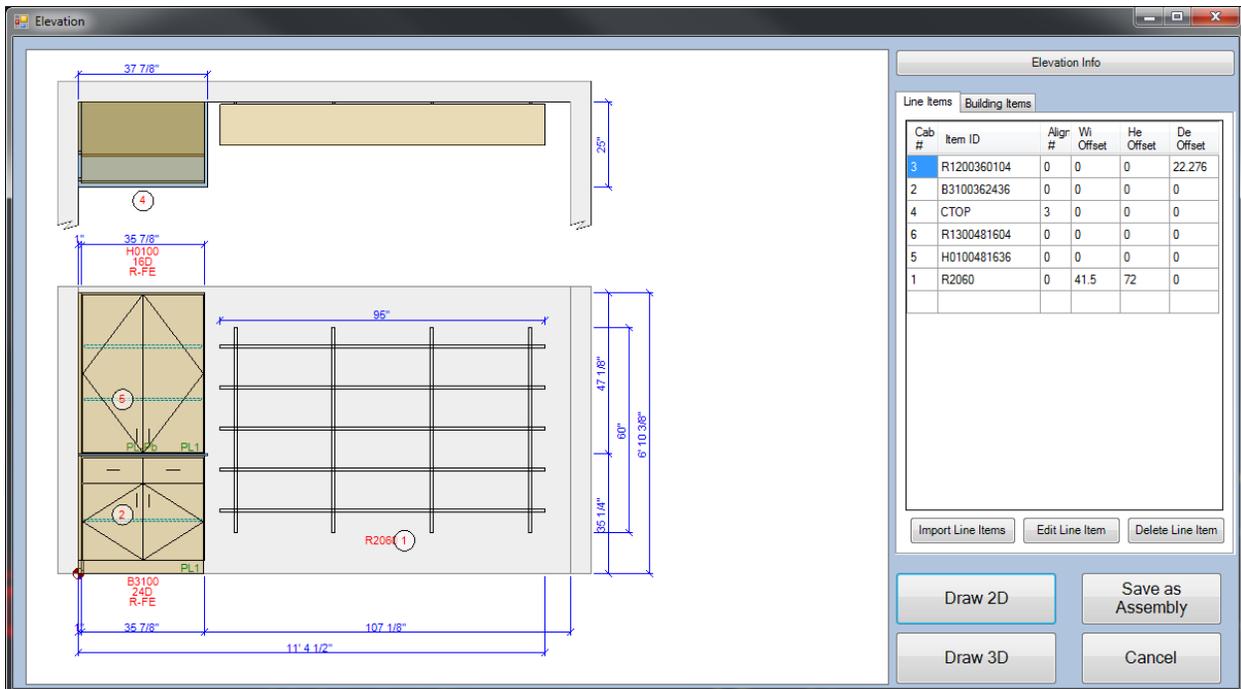
- Item Selection:**
 - Type Item#: r2060
 - Qty: 1
 - Pick Item#: R2060
 - Catalog: Case
 - Nom.Height: 60 (Actual: 60)
 - Nom.Depth: 16 (Actual: 16)
 - Nom.Width: 95 (Actual: 95)
 - Suffix: (empty)
 - Config Digits: (empty)
 - Heavy Duty Shelving
- Standard Options:**
 - Spec Schema: PL-1
 - Left End Ext.[Inches]: 0 (R.E.Ext: 0)
 - Fin Ends: None (Manual)
 - Chain Stops: None (Manual)
 - Toe Kick Height: N.A.
 - Finished Interiors: No
 - Locks: N.A.
 - Label Holders: N.A.
 - Pull Style: N.A.
 - Pull Orientation: N.A.
 - Modification: (empty)
- Custom Options (Item Specific):** (empty)
- Elevation Info:**
 - Elev Qty: 1
 - Phase: 1
 - Elev #: 002
 - Room #: (empty)
 - Room Name: (empty)
 - Arch.Ref.#: (empty)
- Drawing Parameters:**
 - Width Offset [Inches]: 41.5
 - Height Offset [Inches]: 12
 - Depth Offset [Inches]: 0
 - Align with ItemID #: 0
 - Drawing Level: 07-ZeroRef

Buttons: Add Item, Cancel

When the Alignment window appears, choose the bottom left circle in the Align this Reference Point along with Elev. Zero Pt + Offsets in the This existing Point.



The KV Shelving will be placed using the bottom left hand node of the R2060 over 41.5" from the 0,0 of the elevation and 12" above the floor.



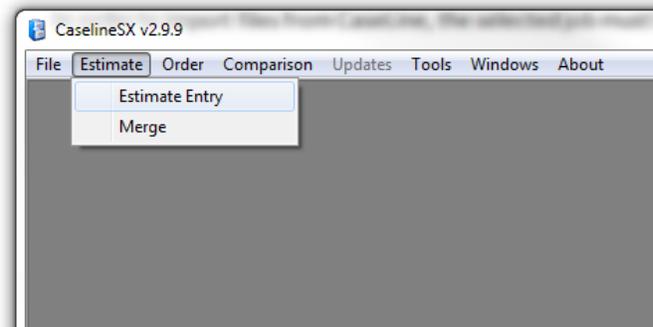
Tutorial 14

1. Add a new elevation 012
2. Recreate the elevation above

Draw from Caseline

Drawing elevations from CaseLine is supported in CaseLine Versions 2.9.2 and above.

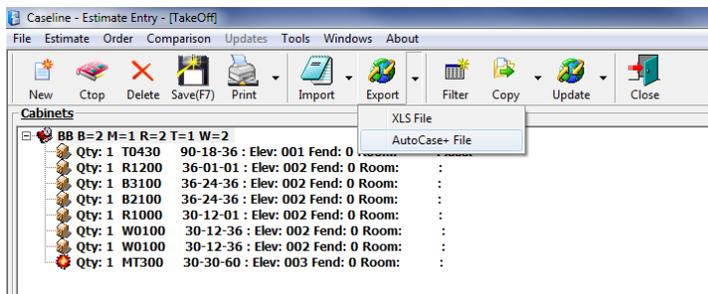
In order to import files from CaseLine, the selected job must be exported from CaseLine. To start, open CaseLine, and click on the Estimate tab, and then the Estimate Entry option in the drop down menu.



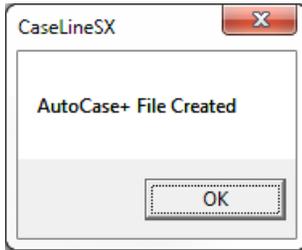
Select the job you want to draw into AutoCase+ from the list of jobs, and then click the Cabs button from the menu as shown below.



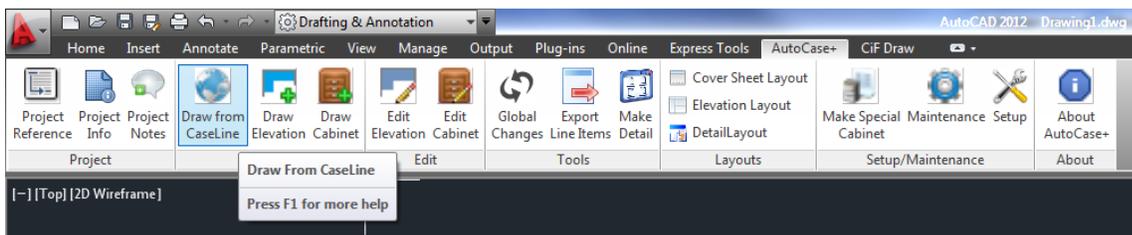
This brings up the job in a more detailed view, this view shows each cabinet, filler, etc. to be placed into the corresponding elevation. In order to bring this into AutoCase+ it must be exported into a file and saved on your computer. We will later use that file for import into AutoCase+. For now, please click the down arrow next to the export button in the menu and select AutoCase+ File from the drop down menu. This will bring up a dialog box that asks for a location to save the file, save the file to a location that you will remember.



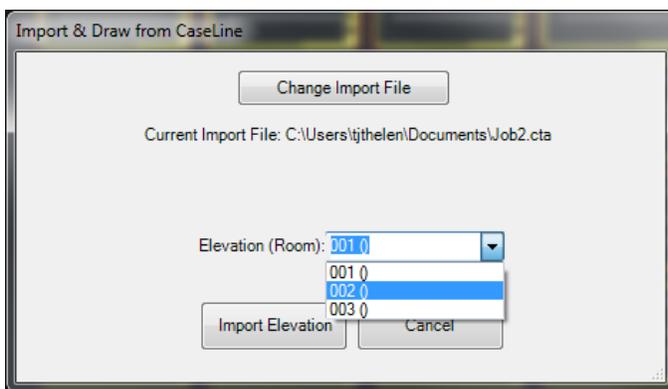
It is important to note, that some jobs are much larger than others. These larger jobs may require more time to both save and load the file. Please wait for the following prompt before you continue.



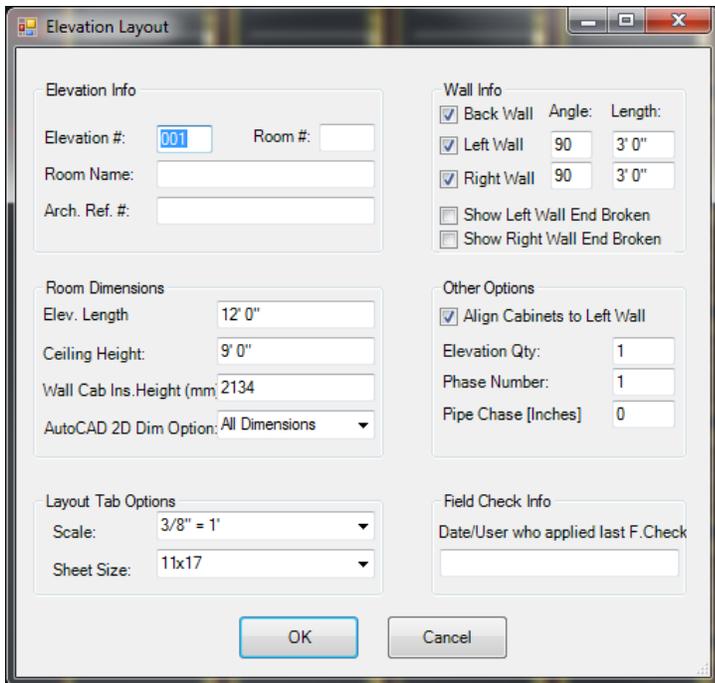
At this point you may choose to exit CaseLine, as we will not be using it anymore. Open up AutoCase+, if it was not previously opened.



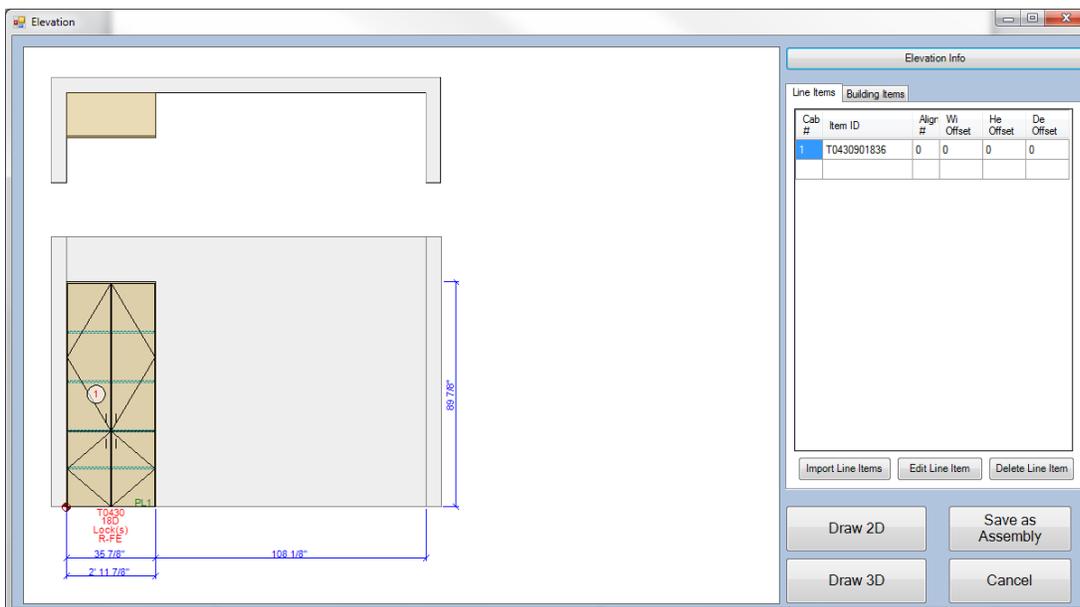
In AutoCase+, please click the Draw in CaseLine option. It may ask you to create a project or choose an existing project, depending if a project had been loaded in AutoCase+ already. After a project has been created or chosen, this menu appears.



Please click Change Import File and locate the file that we just created. It is also important to note that only one elevation can be loaded at a time into AutoCase+, as shown in the image above; the elevations are listed in a drop down menu. Select the elevation that you wish to import at this time and click Import Elevation.



Another item that needs to be noted, for every elevation that is imported into AutoCase+; the room dimensions need to be configured. Once everything is configured please click ok.



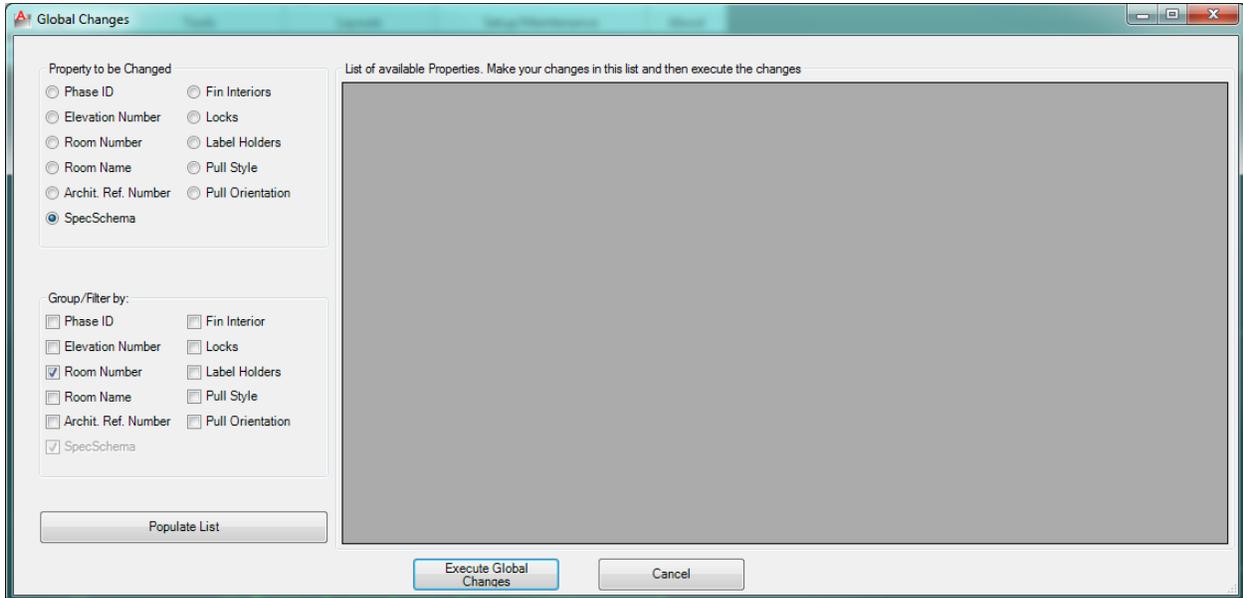
The elevation is now displayed. Modifications can be made at this screen if needed. Click Draw 2D, if everything appears to be correct. You will not be asked to place the elevation, place the elevation in any spot you choose. If necessary, repeat these steps to import other elevations.

CHAPTER 3 – TOOLS

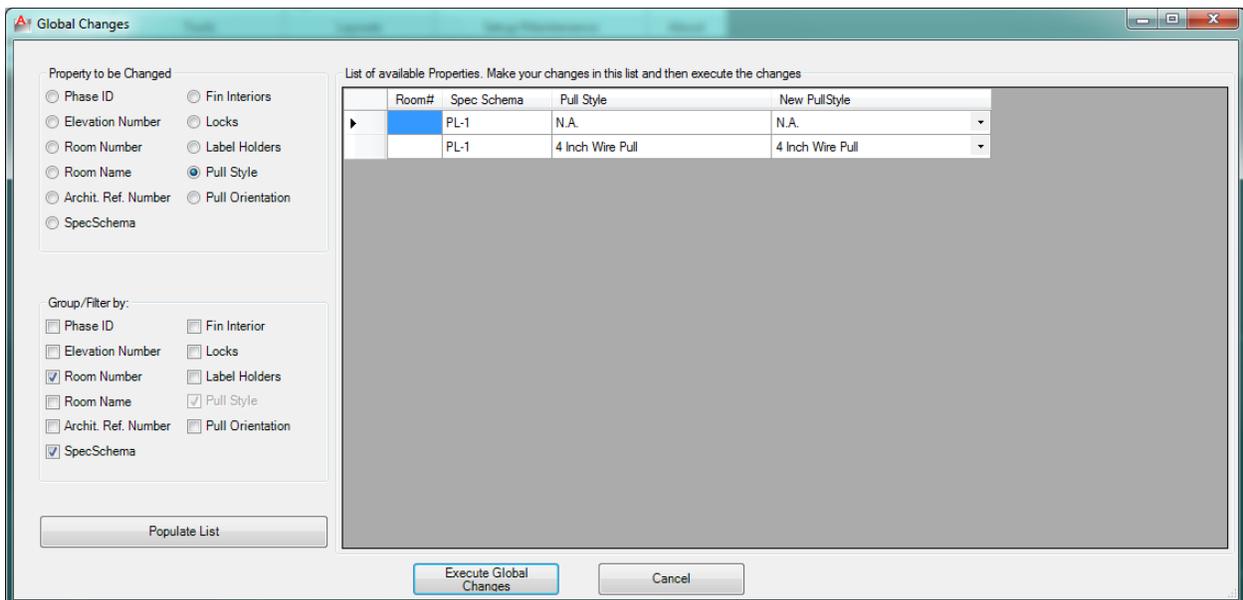
Tools consists of 3 buttons: Global Change, Export Line Item, and Make Detail.

Global Change

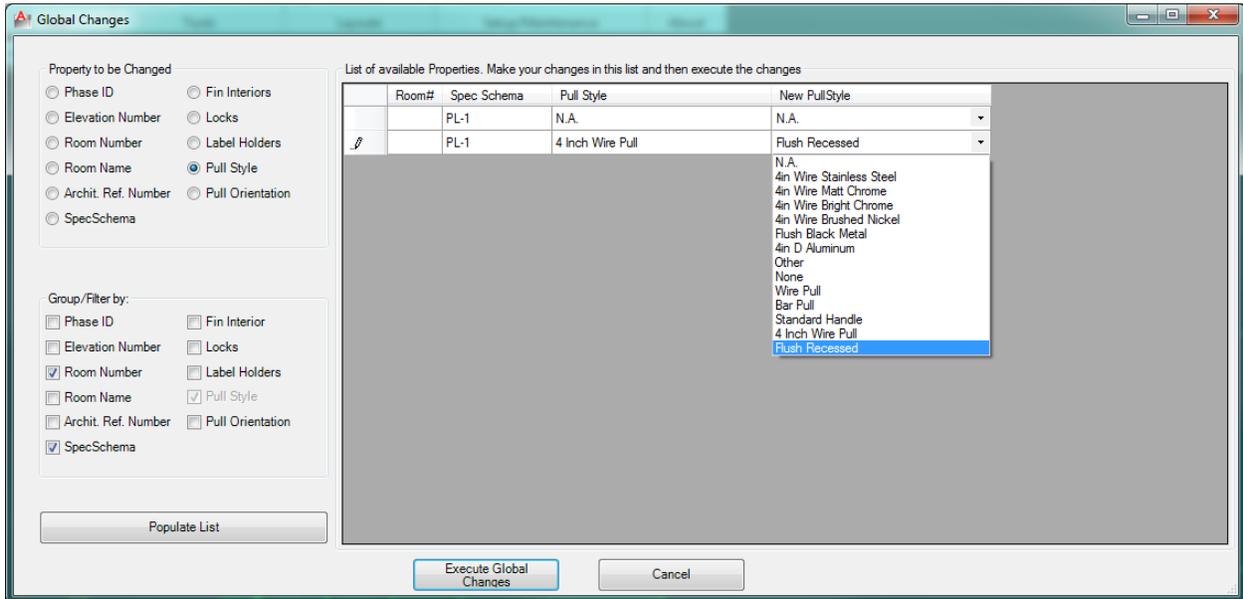
Global Change will allow for certain properties to be filters and changed. When selecting Global Change the following screen will appear.



Select the change desired and the filter criteria. The window below the Pull Style, Property to be Changed is selected along with Group/Filter by selections of Room Number and Spec Schema. Select Populate list and the list will generate in the right hand grey area.

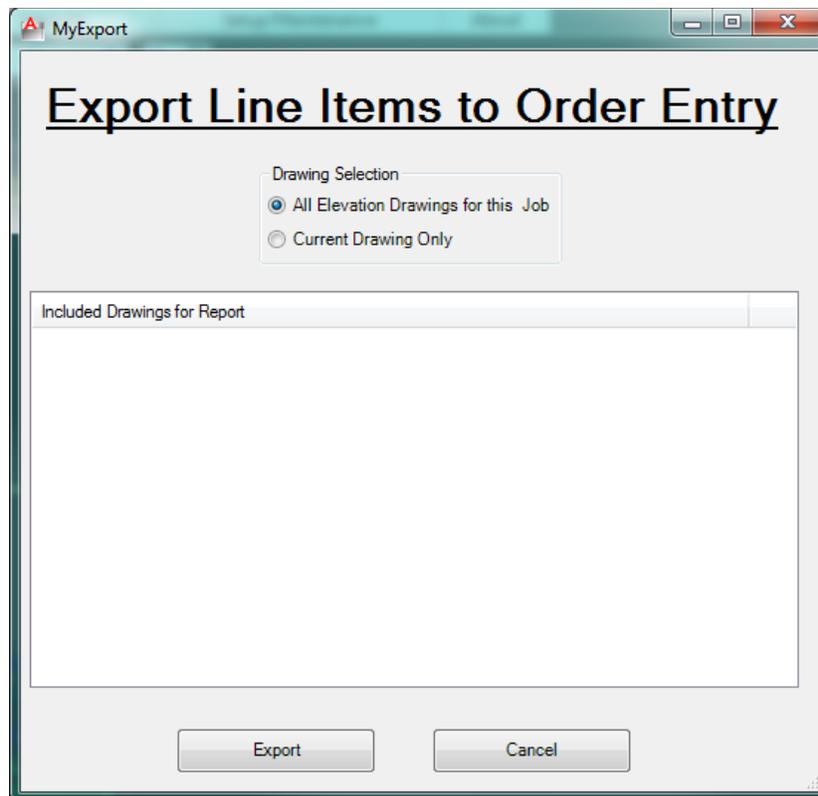


Change the Pull Style in the Spec Schemas required. Then select the Execute Global Change button. The pulls will change and now be displayed as flush recessed.



Export Line Items

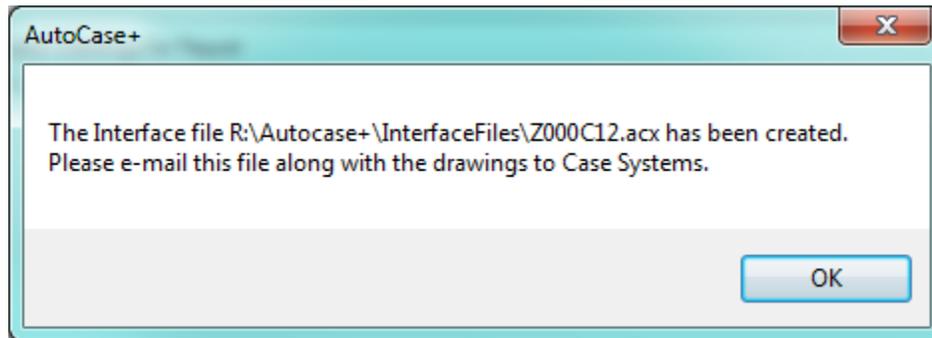
Export Line Items will generate the Caseline list. Select Export Line Items and the following screen will appear.



There are two options for export, All Elevation Drawing for this Job and Current Drawing Only. For All Elevations for this Job the DWG files for the project will need to be located in the Drawing Root Path.

The export file will be saved to the INTERFACE file in the Application Path.

When Current Drawing Only is selected the file location will be displayed in the Include Drawings for Report. Select the Export button a dialog box will appear with the location the export file was saved to.



Tutorial 15

1. Select Export Line Items
2. Choose Current Drawing Only
3. Select Export
4. Locate the file and open it with Notepad.

Make Detail

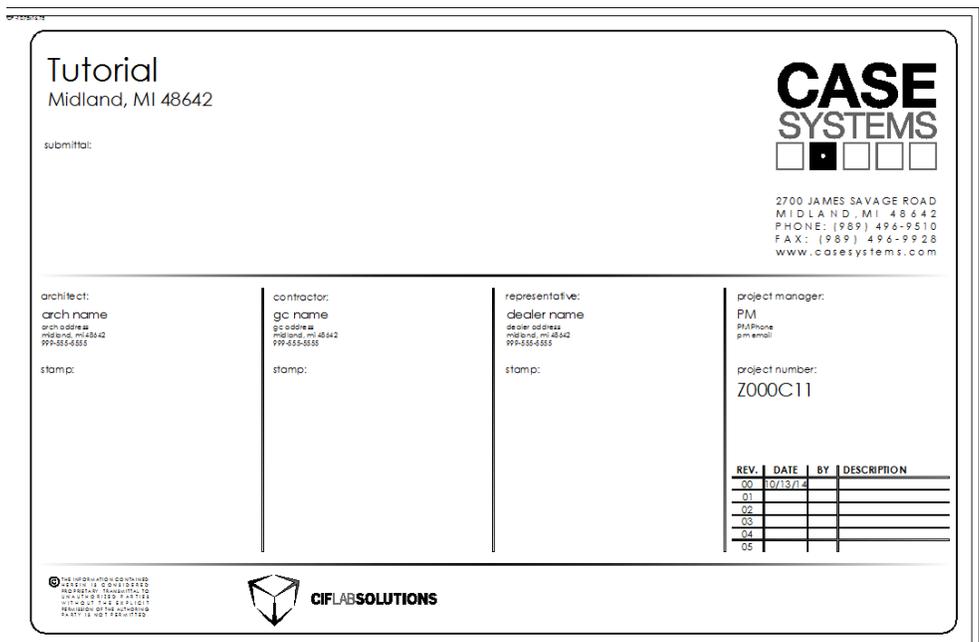
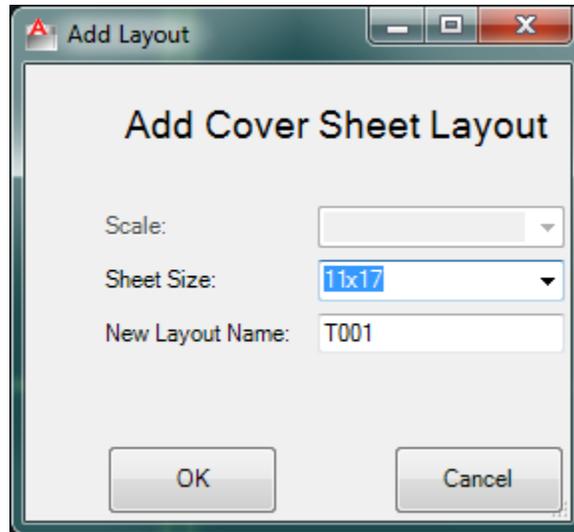
This option is currently under construction.

CHAPTER 4 – LAYOUTS

Layouts consists of 3 buttons: Cover Sheet Layouts, Elevation Layouts, and Detail Layouts.

Cover Sheet Layout

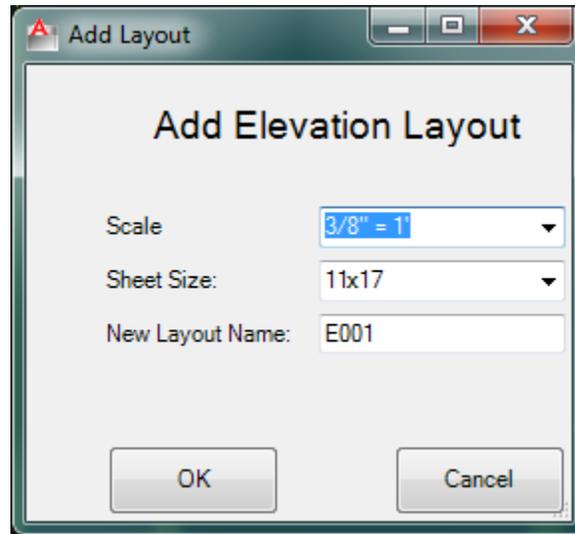
Cover Sheet Layout will use the information that was entered in Project Info to populate the information in the coversheet. When the option is selected you will be prompted to verify the Sheet Size and Layout Name.



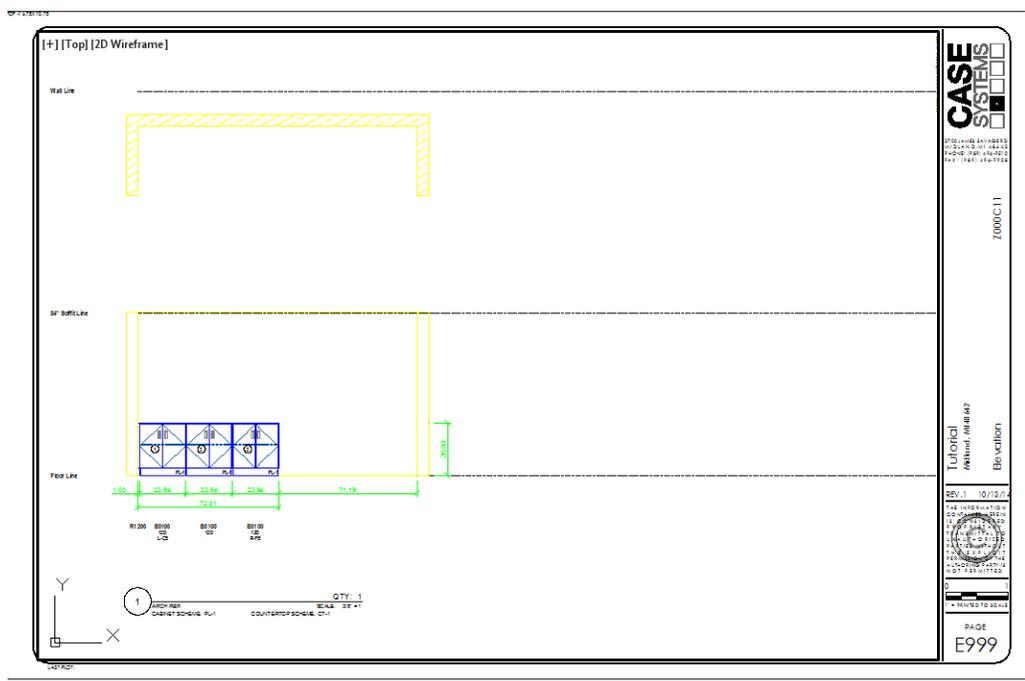
Elevation Layout

Elevation Layout allows you to place elevations on title blocks. When selecting Elevation Layout you will be prompted to draw a window around and the center location of the elevation or elevations to be placed in the title block. The title block will be filled in with the information enter in the Project Info.

After the elevation has been selected the following dialog box will appear requesting verification of Scale, Sheet Size, and Layout Name.



The Title block sheet will generate with the elevations windowed, centered based on the center selection point. Note: You can double click into the paper space view and PAN to move the elevation to the desired location. However if you zoom in our out your scale will no longer be correct.



Tutorial 16

1. Select Cover Sheet Layout
2. At the Add Cover Sheet Layout window select OK
3. The cover sheet is created, return to Model space
4. Select Elevation Layout
5. Window the elevation you wish to place on a title block
6. Pick the center point
7. At the Add Elevation Layout window, verify the information and select OK
8. You may need to click into the view and pan to place the elevation exactly where you want it
9. Return to Model space

Detail Layout

This option is currently under construction.

CHAPTER 5 – SETUP/MAINTENANCE

Setup/Maintenance consists of 3 buttons: Make Special Cabinet, Maintenance, and Setup.

Make Special Cabinet

Make Special Cabinet is where you will create any custom casework required for a project. Before you select this option you will need to draw and save a block representation of the custom. This can be done one of two ways.

The first is done by selecting Edit cabinet and drawing a model that is closest to the custom. Then using CTRL H toggle the PICKSTYLE to allow editing to the cabinet. ERASE everything except the cabinet itself. You can also use EXPLODE if necessary. Modify the cabinet and WBLOCK it. Save the WBLOCK in the BLOCKS folder. This block will be in inches and the block name is required to have “_inch” at the end in order to draw at the correct scale. The blocks folder will either be in you C:\AutoCase+ folder or in the AutoCase+ folder on your network.

The second is to draw the custom in metric from scratch and to save the block as described above without the “_inch” in the name.

Once the block has been created you can select Make Special Cabinet. The following window will appear.

Make Special Cabinet

Model Number Definition

Short ItemID [ID]: Catalog:

Nom. He Inch [NH]: Act. Height [mm]:

Nom. De Inch [ND]: Act. Depth [mm]:

Nom. Wi Inch [NW]: Act. Width [mm]:

Suffix [SU]:

Display ModNum:

Resulting ModNum:

Item Description:

Other Model Number Options

Dwg Level:

Mirror ItemID:

Preview Pic. Name:

Detail File:

Detail Size:

Fin Interior Setup:

- Item has Fin End Option
- Item has Chain Stop Option
- Item has Lock Option
- Item needs Fillers against Wall
- Item needs Control Number
- Auto generate Cab Width Dim
- Auto generate Cab Height Dim
- Auto generate Cab Spec Label

Block References

Note: W-Blocks must be pre-existing in Blocks folder. They must be drawn in metric. If you include the phrase "_Inch" anywhere in the block name, you may draw the block in Inches.

Elevation Block:

Planview Block:

3D Block:

Model Number Definition

Short ItemID:.....The model name you wish to show up in the catalog list.

Catalog:The catalog the model will be saved in.

Nom.He Inch:The nominal height for the custom.

Act. Height(mm):.....The actual metric height.

Nom.De Inch:The nominal depth for the custom.

Act. Depth(mm):The actual metric depth.

Nom.Wi Inch:The nominal width for the custom.

Act. Width(mm):The actual metric width.

Suffix:Adds characters to the end of the Resulting ModNum. Do not use at this time.

Resulting ModNum:This field cannot be modified it will fill in as the short item id and the sizes are filled in.

Item description:.....Description of the custom. This is a required field.

Other Model Number Options

Dwg Level:.....Level for placement of models.

- 01-Base

- 02-Wall
- 03-Top
- 04-AboveTop
- 05-AboveWall
- 06-Ceiling
- 07-ZeroRef
- 08-NoDwg

Mirror ItemID:Auto generated with the ShortID

Preview Pic. Name:Auto generated with the ShortID

Detail File:Under Construction

Detail Size:.....Under construction

Fin Interior Setup:Type of cabinets either Open Cabinet or Closed Cabinet

Item has:

Fin End OptionCheck if item can have finished ends

Chain Stop OptionCheck if item can have chain stops

Lock Option:Check if item can have locks

Item needs:

Filler against Wall:.....Check if the item should have a filler if place next to a wall

Control Number:Check for control number

Auto-generate:

Cab Width Dim:Draw a width dimension for the custom in AutoCAD

Cab Height Dim:Draw a height dimension for the custom in AutoCAD

Cab Spec Label:Check for Specification label to draw on the model

Block Reference

Block References

Note: W-Blocks must be pre-existing in Blocks folder. They must be drawn in metric. If you include the phrase "Inch" anywhere in the block name, you may draw the block in Inches.

Elevation Block:

Planview Block:

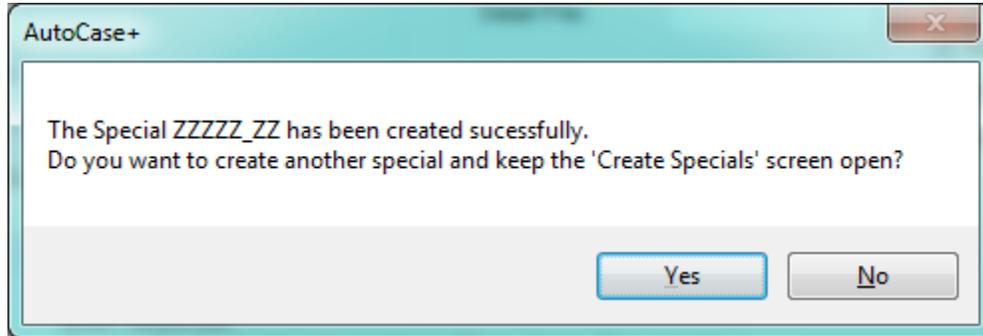
3D Block:

Elevation Block:.....Select W-Block previously created.

Planview Block:Select W-Block if previously created.

3D Block:Select W-Block if previously created.

Once you are sure all the information is filled in correctly select Make Specials the following dialog box will appear stating whether or not the special was created successfully and asking if you would like to create another custom.



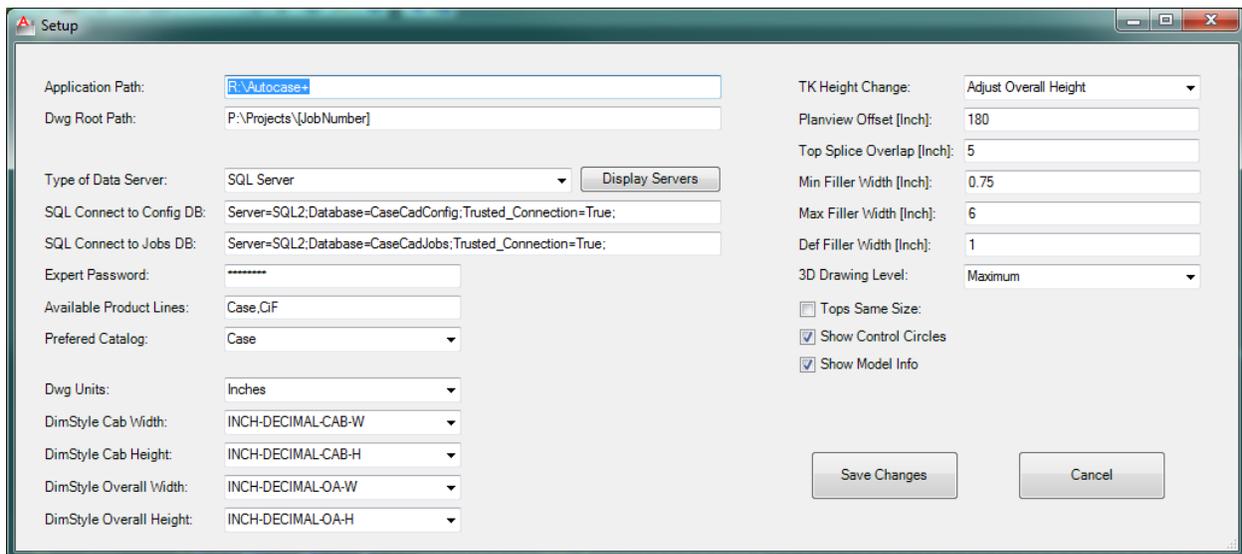
IMPORTANT: A ShortID can only be used once with one size. If you have a custom in multiple sizes each size will require a different ShortID.

Maintenance

This option is for administrative use only.

Setup

Setup is where the default locations are set.



Application Path:.....Location for shared application folders.

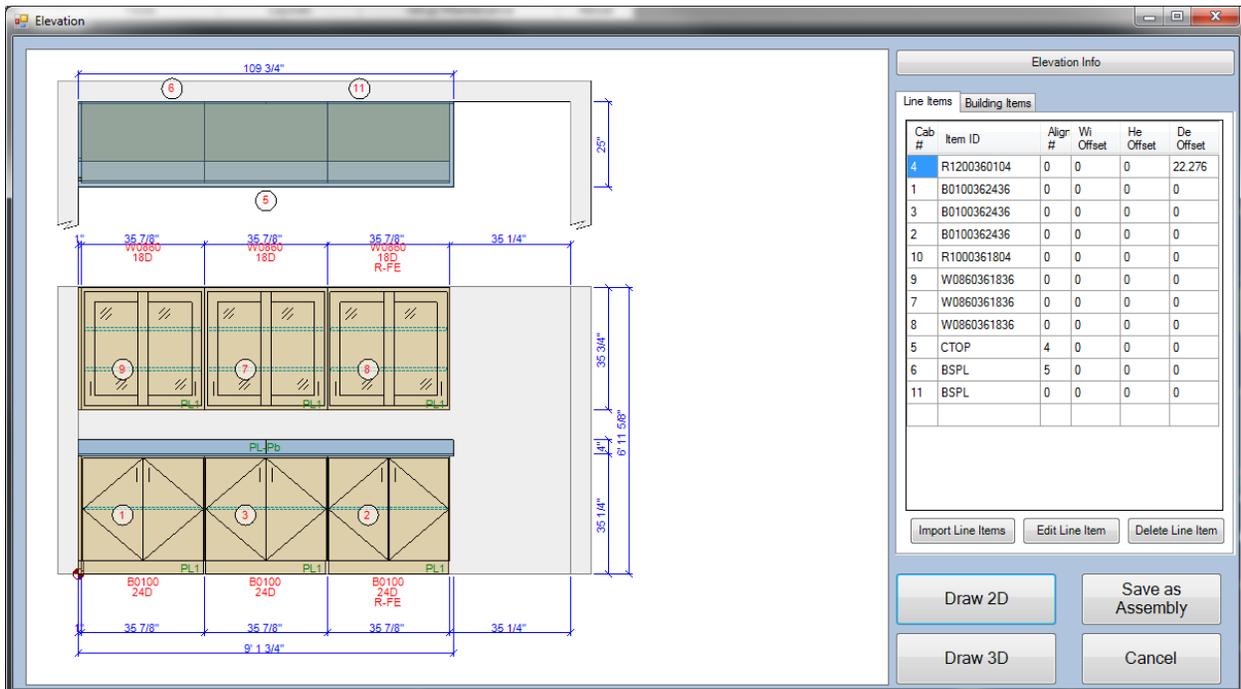
Dwg Root Path:Location for all Project related folders, drawings and documents.

Type of Data Server:.....Refer to the installation manual.

Chapter 6 – Additional Options

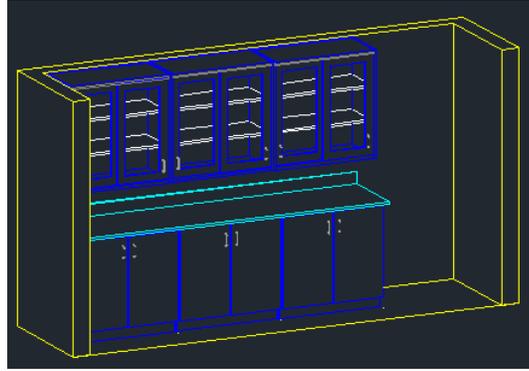
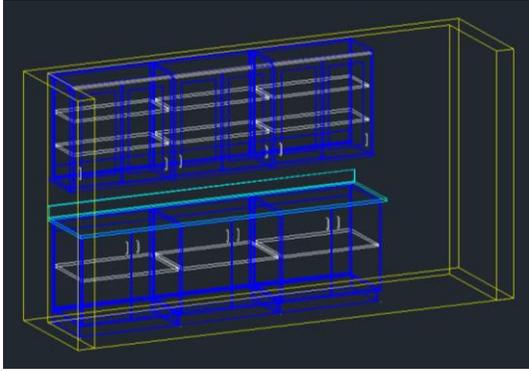
Drawing 3D Elevations

AutoCase+ has the option to draw elevations in 3D. To draw a 3D elevation, start the elevation the same way you would with a 2D elevation. When the elevation is complete in the elevation screen select Draw 3D



Tutorial 17

1. Make sure you viewing model space in 3D
2. Add a new elevation 013
3. Recreate the elevation above
4. Draw 3D



The new elevation should look like the left image above. Hide the elevation and it will look like the right image above.

Notes

- Please refer to Appendix A for supported Zero Reference Items.
- When updating or drawing the 3D elevation, do not update in a previously created 2D DWG file. It will flatten the elevation.

Create Assemblies

This section is currently under construction.

Adding BOSTONtec and CiFLAB Products

This section is currently under construction.

APENDIX A

**BL = Bottom Left, ML = Middle Left, TL = Top Left, TM = Top Middle, TR = Top Right, MR = Middle Right
BR = Bottom Right, BM = Bottom Middle**

MODEL	2D	ATTRIBUTE ONLY	ATTRIBUTE LOCATION	DIM	3D	BL	ML	TL	TM	TR	MR	BR	BM
H8060	X		BELOW	NO	X	X	X	X	X	X	X	X	X
OS060		X	PICK POINT	NO									
OS100		X	PICK POINT	NO									
RKB30	X		BELOW	NO	X	X							
CP030	X		BELOW	NO	X	X	X	X	X	X	X	X	X
RKEY0	X		BELOW	NO	X	X							
RKB50	X		BELOW	NO	X	X							
RKB20	X		BELOW	NO	X	X							
WC010		X	PICK POINT	NO									
WC020		X	PICK POINT	NO									
WC100	X		BELOW	NO	X	X	X	X	X	X	X	X	X
PC020	X		BELOW	NO	X	X	X	X	X	X	X	X	X
KS010	X		BELOW	NO	X	X	X	X	X	X	X	X	X
KS020	X		BELOW	NO	X	X	X	X	X	X	X	X	X
KS000		X	PICK POINT	NO									
GR650		X	PICK POINT	NO	X								
GR600		X	PICK POINT	NO									
GR620		X	PICK POINT	NO									
TT010	X		PICK POINT	NO									
TT070	X		PICK POINT	NO	X								
TT080	X		PICK POINT	NO	X								
TT100	X		PICK POINT	NO	X								
TT110	X		PICK POINT	NO	X								
TT120	X		PICK POINT	NO	X								
TT130	X		PICK POINT	NO	X								
TT140	X		PICK POINT	NO	X								

TT150	X		PICK POINT	NO	X														
P9000		X	PICK POINT	NO															
CR010		X	PICK POINT	NO															
CH010		X	PICK POINT	NO															
CH020		X	PICK POINT	NO															
PT010		X	PICK POINT	NO	X														
SB050	X		PICK POINT	NO															
SB060	X		PICK POINT	NO	X														
KV710		X	PICK POINT	NO	X														
DP030		X	PICK POINT	NO	X														
DP070		X	PICK POINT	NO	X														
DP090		X	PICK POINT	NO	X														
DP080		X	PICK POINT	NO															
DP170		X	PICK POINT	NO															
DP100		X	PICK POINT	NO	X														
DP110		X	PICK POINT	NO															
DP190		X	PICK POINT	NO	X														
HH020		X	PICK POINT	NO															
HH030		X	PICK POINT	NO															
HH050		X	PICK POINT	NO															
HH080		X	PICK POINT	NO															
DS230		X	PICK POINT	NO															
DS430		X	PICK POINT	NO															
MC010		X	PICK POINT	NO															
RC010		X	PICK POINT	NO															
EC010		X	PICK POINT	NO															
FR010		X	PICK POINT	NO	X														
SC200		X	PICK POINT	NO															
SC220		X	PICK POINT	NO															
SC240		X	PICK POINT	NO															

HK710		X	PICK POINT	NO	X								
HK800		X	PICK POINT	NO	X								
HK810		X	PICK POINT	NO	X								
HK820		X	PICK POINT	NO	X								
LK010		X	PICK POINT	NO									
KV010		X	PICK POINT	NO	X								
KV790		X	PICK POINT	NO									
KV470		X	PICK POINT	NO									
CP200		X	PICK POINT	NO									
CS010		X	PICK POINT	NO									
KV810		X	PICK POINT	NO	X								
KV880		X	PICK POINT	NO	X								
KV800	X		PICK POINT	NO	X								
KV870	X		PICK POINT	NO	X								
R2050/1/2/3	X		VARIES	YES	X	X	X	X	X	X	X	X	X
R2060/1/2/3	X		VARIES	YES	X	X	X	X	X	X	X	X	X
R2040/1/2/3	X		VARIES	YES	X	X	X	X	X	X	X	X	X
KV210		X	PICK POINT	NO									
KV211		X	PICK POINT	NO									
KV212		X	PICK POINT	NO									
VG010		X	PICK POINT	NO									
TC010		X	PICK POINT	NO									
MR010		X	PICK POINT	NO									
TL240		X	PICK POINT	NO									
DM010	X		BELOW	NO	X	X	X	X	X	X	X	X	X
DC010	X		BELOW	NO	X	X							
CB380	X		BELOW	NO	X	X	X	X	X	X	X	X	X
CB480	X		BELOW	NO	X	X	X	X	X	X	X	X	X
MB380	X		BELOW	NO	X	X	X	X	X	X	X	X	X
MB480	X		BELOW	NO	X	X	X	X	X	X	X	X	X

R2300													
R2310													
R2320													
R9600													
CT020		X	PICK POINT	NO									
CT040			PICK POINT	NO									
LB010			PICK POINT	NO									
MS010			PICK POINT	NO									
BS010			PICK POINT	NO									
OL010			PICK POINT	NO									
OL011			PICK POINT	NO									
OL012			PICK POINT	NO									
SW661	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW621	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW601	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW641	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW681	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW501	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW521	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW321	X		BELOW	NO	X	X	X	X	X	X	X	X	X
S5101													
S5151													
SW701	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW721	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW741	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW761	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW401	X		BELOW	NO	X	X	X	X	X	X	X	X	X
SW421	X		BELOW	NO	X	X	X	X	X	X	X	X	X
S7040													
S7200													

S7210														
S7220														
S7230														
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SC642														
SC652														
SA100														
SA200														
SA060														
SA070														
SA040														

SA050													
SA010													
SA020													
SE010													
SE011													
SE020													
SE021													
SE220													
SE221													
SCIENCE FAUCETS													
SCIENCE VALVES													
SCIENCE SINKS													
SS040													