

Easy Cabinet Maker

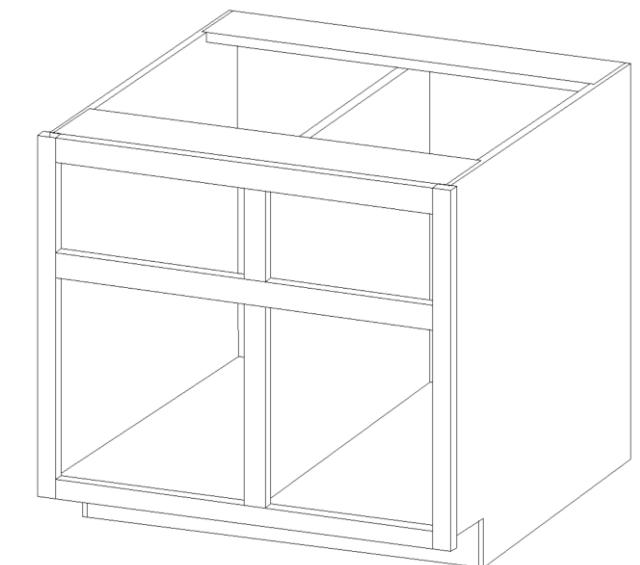
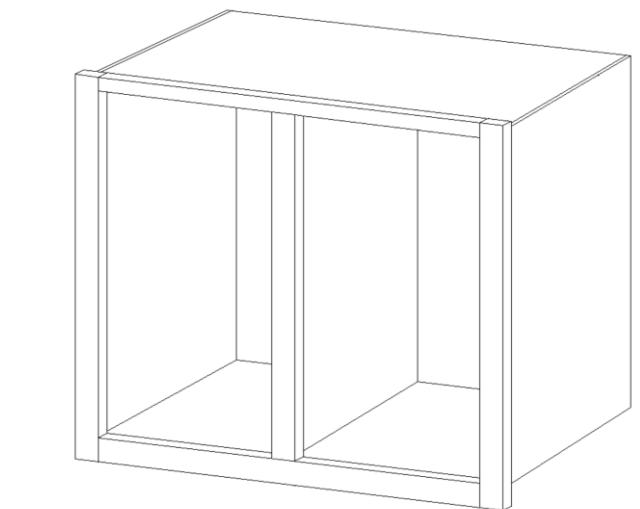
Version 13.5

Gadget Overview

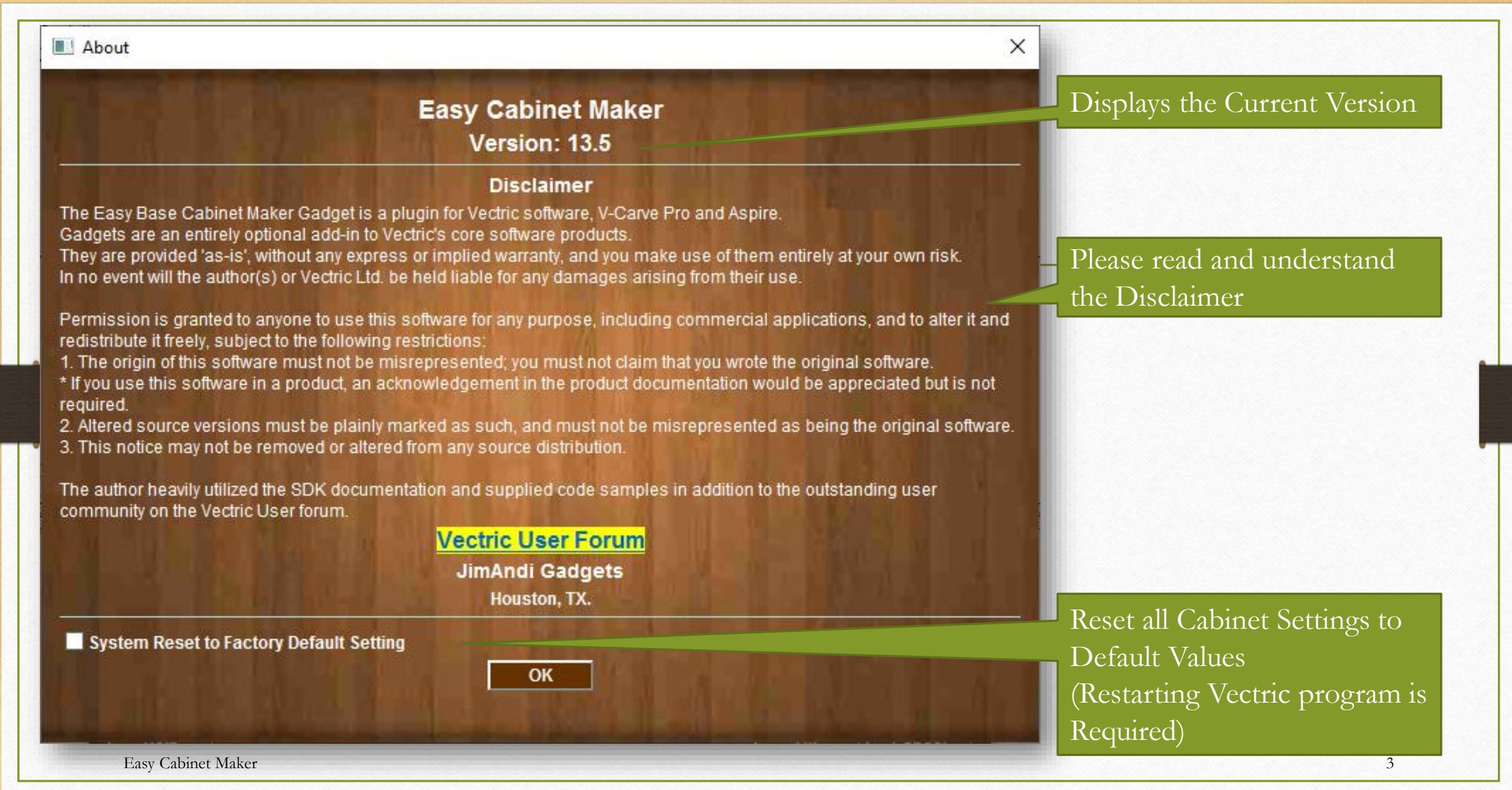
The Easy Cabinet maker gadget is a plug-in program for the Vectric Aspire or VCarve Pro Versions 11+ products.

The gadget produces a face frame style cabinet in the upper (wall) or lower (base) or both configuration. The program is designed on being 100% parametrically driven. This design allows the user to have complete control of all variables being defined by the user. The solution features :

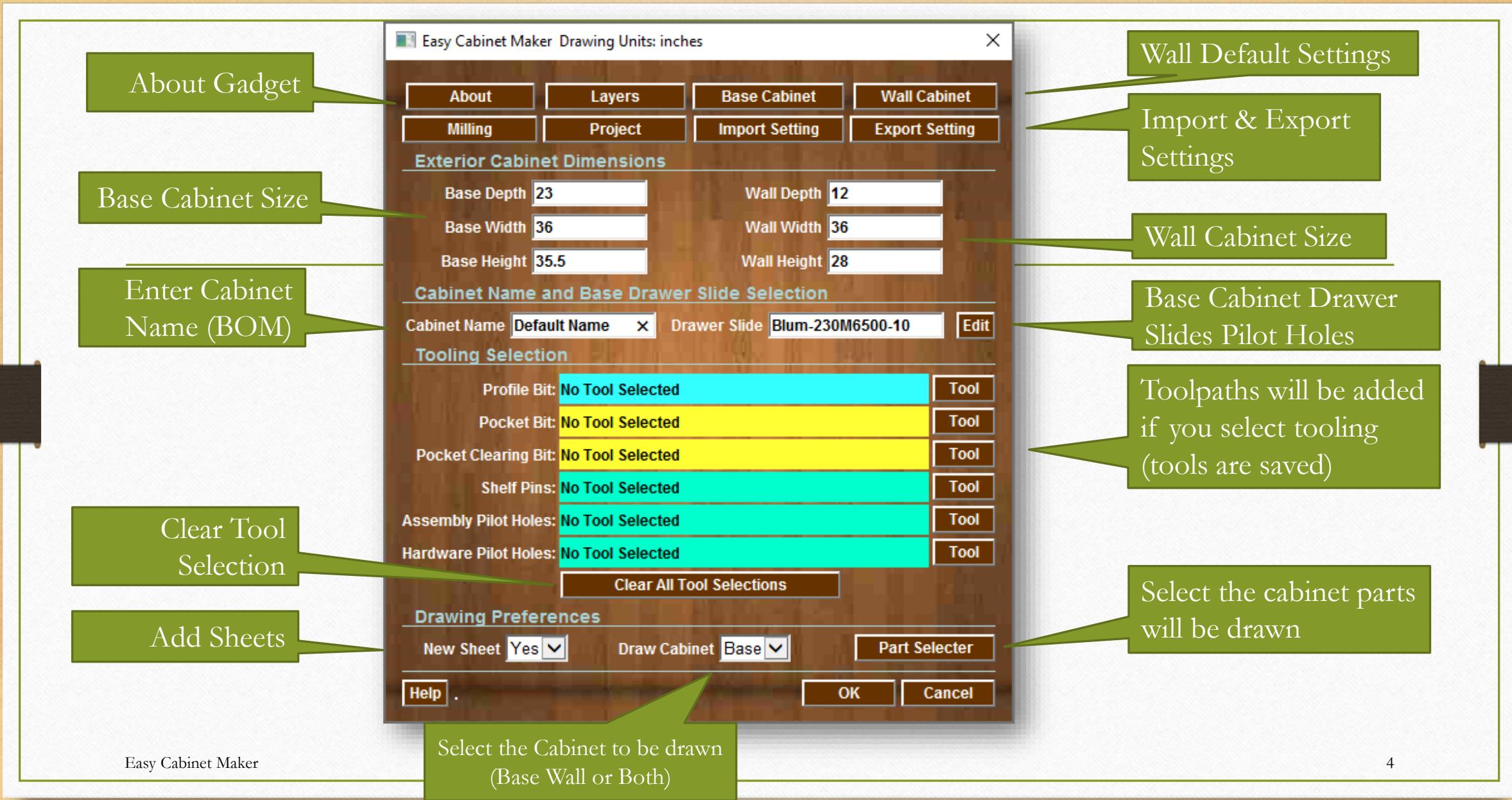
1. Complete cabinet drawings with toolpaths
2. Two styles of Bill of Materials
 1. Print ready shop cut list
 2. Excel ready “.csv” file for material needs
3. Optional sheet layouts for variable material thicknesses
4. Face Frame layouts
5. Drawer Slide and Rear Mount pilot holes
6. Import and Export configuration capabilities
7. Supports imperial or metric input values
8. And many other features



About Screen



Main Screen



Help Screen (Web and PDF)

The screenshot shows the 'Easy Cabinet Maker' help window. At the top, it displays the product name 'Easy Cabinet Maker' and 'JimAndi Gadgets' from 'Houston, TX'. Below this is a 'Web Help' button. The main content area is titled 'Gadget Overview' and describes the gadget as a plug-in program for Vectric Aspire or VCarve Pro Versions 11+. It includes two 3D wireframe models of cabinet designs. At the bottom right is an 'OK' button.

Select to open Web Version of Help

The screenshot shows a web browser displaying the 'Easy Cabinet Maker Help' page. The URL in the address bar is 'http://www.jimandi.com/EasyGadgets/EasyCabinetMaker/EasyCabinetMakerHelp.html'. The page title is 'Cabinet Maker Help'. It features a large image of a cabinet and the text 'Easy Cabinet Maker Version 13.5'. Below the image is a navigation menu with links labeled 'Page01' through 'Page47'. A green box labeled 'Web Version' is overlaid on the bottom left of the page.

Note: Due to the file size of the PDF the PDF cannot be included in the Gadget installer package. The PDF can be downloaded from the web Help page. See the link on the Web Version.

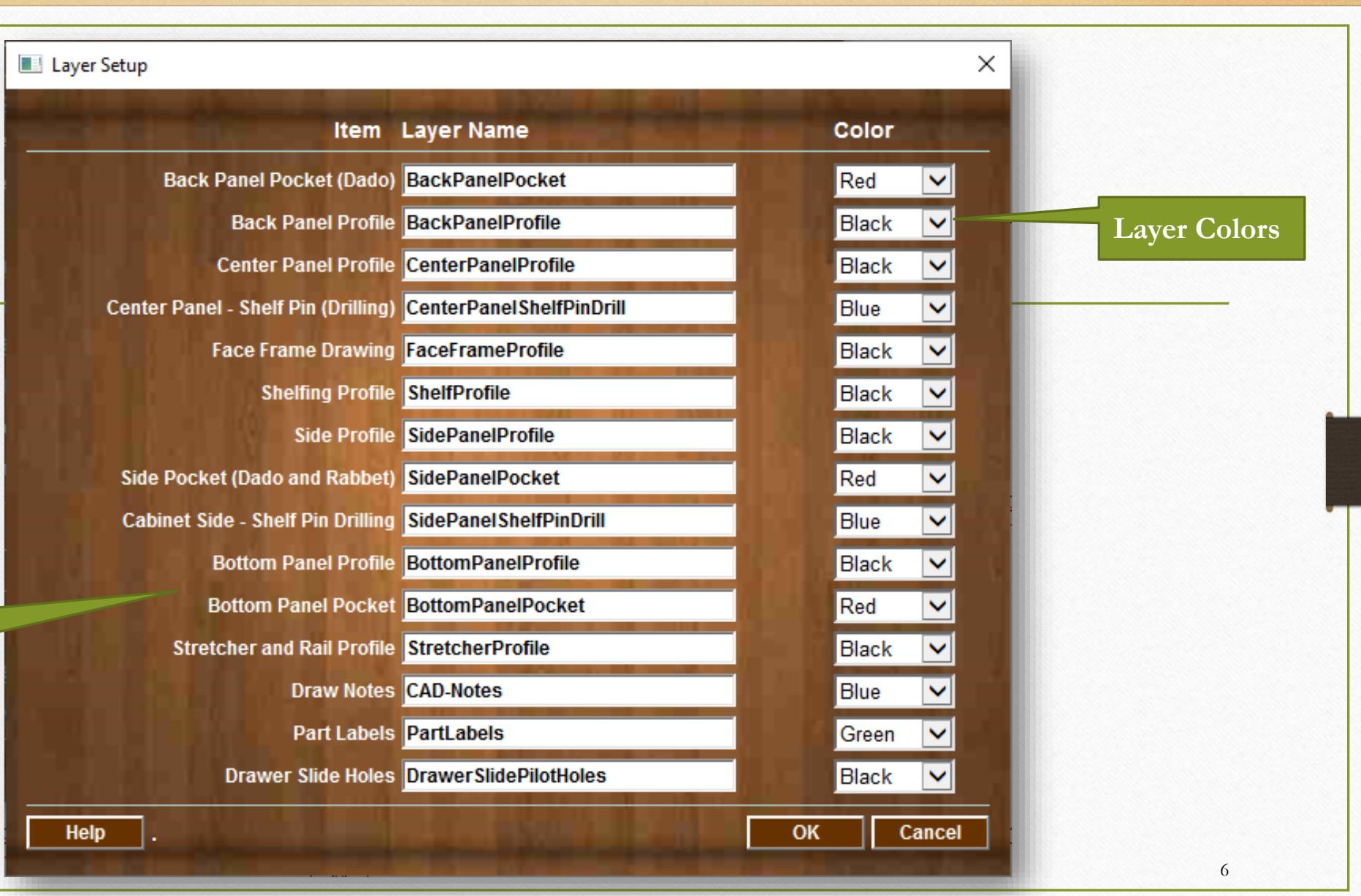
The screenshot shows a PDF viewer application displaying the 'Easy Cabinet Maker' PDF help file. The page title is 'Easy Cabinet Maker Version 13.5'. The content is identical to the web version, featuring a large image of a cabinet and the text 'Easy Cabinet Maker Version 13.5'. A green box labeled 'PDF Version' is overlaid on the bottom left of the page. The PDF viewer interface includes various toolbars and status bars at the top and bottom.

Easy Cabinet Maker

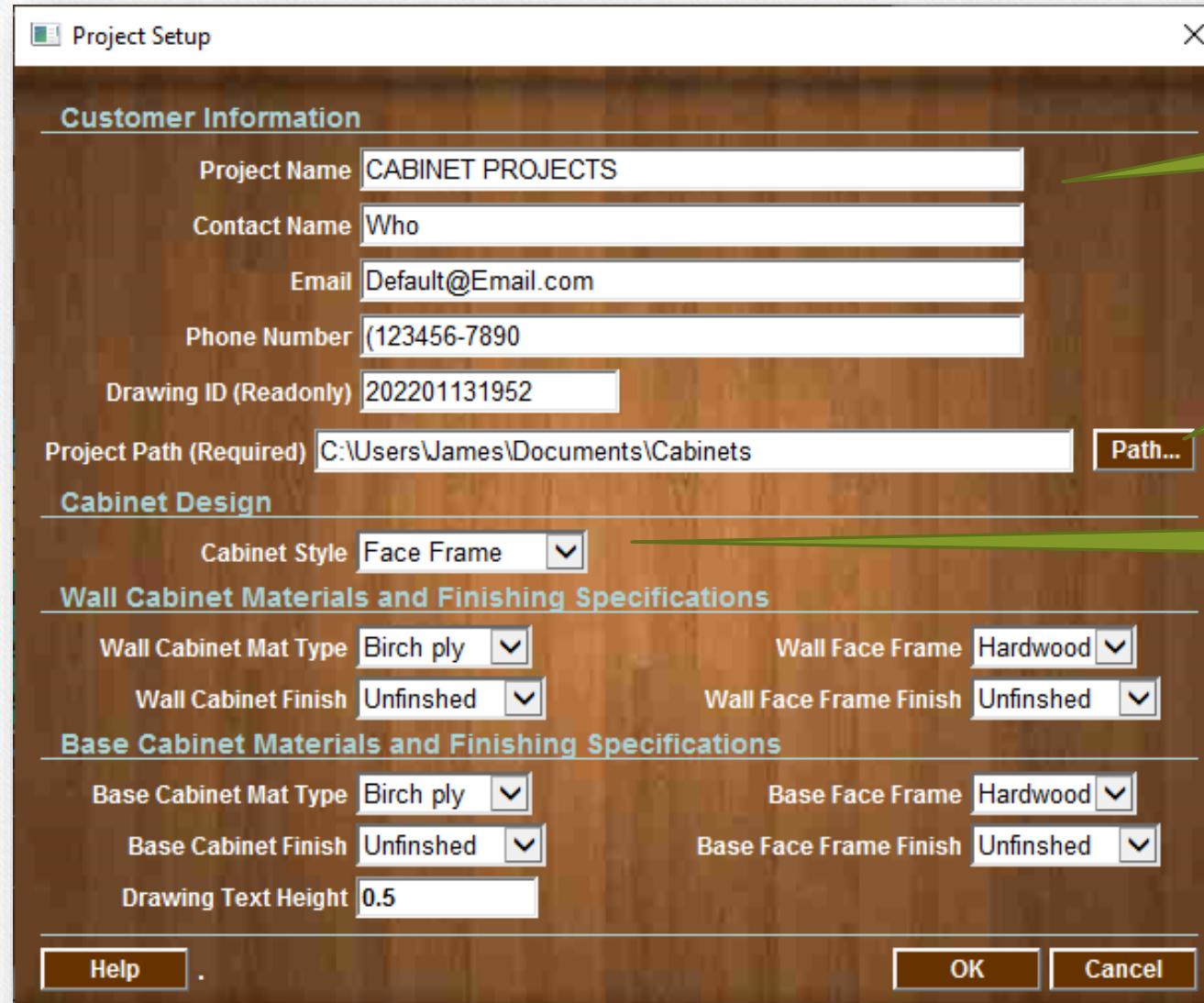
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PDF Help File
Download Location

Layer Setup



Project Setup



Project And Contact Information

Project Path is required.
Location for all logs and BOM files to be written

Cabinet Style
(Face Frame or No Face Frame)

Select Material Types and Finish's

Base Cabinet Setup



Wall Cabinet Setup

Enter Material Thickness

Shelf Values

Wall Cabinet Center Panel

Wall Cabinet Face Frame Values

Number of Shelves

Sheet Material Thickness

| | | | |
|-------------------|------|----------------------------|-----|
| Carcass Thickness | 0.75 | Backing Material Thickness | 0.5 |
|-------------------|------|----------------------------|-----|

Shelving Information

| | | | |
|-------------------------------|------|-----------------------------|-------|
| Shelf Material Thickness | 0.75 | Shelf Nosing Width | 1.125 |
| Shelf Nosing Thickness | 0.75 | Shelf Pin Hole Top Spacing | 4 |
| Shelf Pin Hole Bottom Spacing | 3 | Shelf Pin Hole Rear Spacing | 2 |
| Shelf Pin Hole Front Spacing | 1.75 | Shelf Pin Hole Spacing | 2 |
| Shelf Front Clearance | 0.25 | Shelf End Clearance | 0.18 |

Face Frame Information

| | | | |
|--------------------|--------|---------------------|--------|
| Material Thickness | 0.75 | Stile Width | 2.25 |
| Top Rail Width | 1.75 | Center Stile Width | 1.75 |
| Bottom Rail Width | 1.25 | Top Reveal | 0.25 |
| Bottom Rail Reveal | 0.0625 | Cabinet Side Reveal | 0.0625 |

Cabinet Design Features

| | | | | | |
|------------------|----|-------------------|-----|-------------|---|
| Add Center Panel | No | Center Face Frame | Yes | Shelf Count | 2 |
|------------------|----|-------------------|-----|-------------|---|

Help . OK Cancel

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Milling Settings Menu

Milling Setting

Cabinet Construction Specifications and Notations

| | | | |
|------------------|------|---------------------|-------|
| Back Dado Height | 0.25 | Carcass Dado Height | 0.375 |
| Dado Clearance | 0.01 | Shelf Pin Length | 0.5 |
| Part Gap | 0.5 | Shelf Pin Diameter | 0.194 |

Add Joint Notes Yes

Assembly Preferences

| | | | |
|-------------------------|---|-----------------------------------|---|
| Base Assembly Holes | Yes <input checked="" type="checkbox"/> | Wall Assembly Holes | Yes <input checked="" type="checkbox"/> |
| Assembly Hole Max Space | 12 | Assembly Hole Min Space | 2 |
| Assembly Hole Diameter | 0.125 | Assembly Hole Start and End Space | 1 |

Drawer Slide Pilot Hole Preferences

| | | | |
|---------------------|-------|------------------|------|
| Pilot Hole Diameter | 0.125 | Pilot Hole Depth | 0.25 |
|---------------------|-------|------------------|------|

Construction Style

| | | | |
|------------|--|-------------------|------|
| Dado Types | Through <input checked="" type="radio"/> | Dado Blind Amount | 0.75 |
|------------|--|-------------------|------|

Default Bit Settings

| | | | |
|-----------------|------|----------------|------|
| Profile Bit Dia | 0.25 | Pocket Bit Dia | 0.25 |
|-----------------|------|----------------|------|

Default values for Milling

Assembly Holes and Placement

Milling Types

Note: Back Dado Height and Dado Height are measurements from the material back to the bottom of the Dado. Sheet goods vary in thickness, a 3/4" plywood is never 3/4" it is usually 23/32" thick or less. This will ensure the overall dimensions of the cabinet will be accurate regardless of thickness of the material being used.

Material Back or Bottom

Dado Height Amount Value

Drawer Slide Pilot Holes Details

Default Bit Diameter

.500in .375in .250in

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Materials and Finishing Data File

The screenshot shows a text editor window with the file 'EasyCabinetMaterials.ini'. The file contains comments at the top, followed by three main sections: [Lumber], [SheetGoods], and [Finishing]. Each section lists sub-items with names and values.

| Section | Sub-Item | Value |
|--------------|------------|------------|
| [Lumber] | Lumber1 | Cedar |
| | Lumber2 | Maple |
| | Lumber3 | Oak |
| | Lumber4 | Pine |
| | Lumber5 | Poplar |
| | Lumber6 | Walnut |
| [SheetGoods] | SheetGood1 | Melamine |
| | SheetGood2 | Birch ply |
| | SheetGood3 | Oak ply |
| | SheetGood4 | Maple ply |
| | SheetGood5 | Walnut ply |
| | SheetGood6 | Poplar ply |
| [Finishing] | Finish1 | Unfinished |
| | Finish2 | Paint |
| | Finish3 | Prime Only |
| | Finish4 | Stain |
| | Finish5 | Paint |

Lumber List (points to the [Lumber] section)

Species (points to the Lumber sub-items)

Sheet Goods (points to the [SheetGoods] section)

Species (points to the SheetGood sub-items)

Finishing (points to the [Finishing] section)

Types (points to the Finish sub-items)

Adding or Removing items from the list is done with a simple text editor. The EasyCabinetMaterials.ini file is located with the EasyCabinetMaker gadget directory.

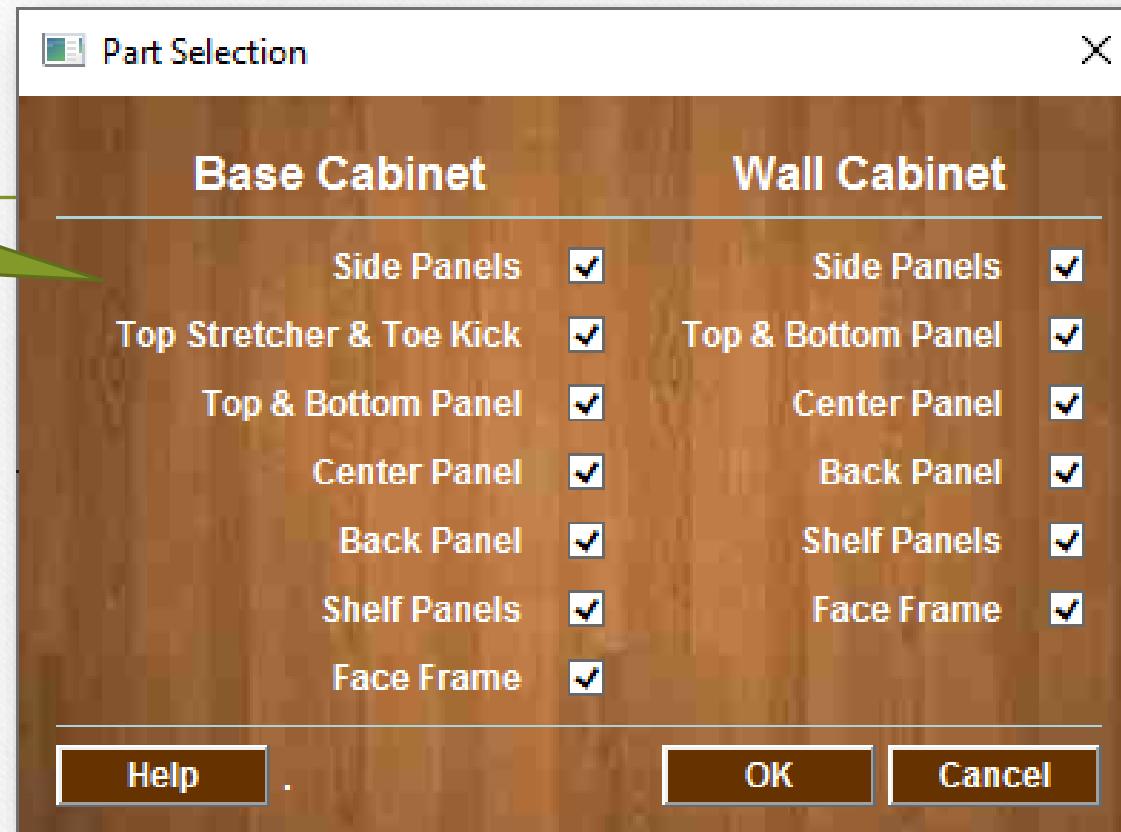
Before you modify EasyCabinetMaterials.ini file, create a backup copy.

How to modify the EasyCabinetMaterials.ini file:

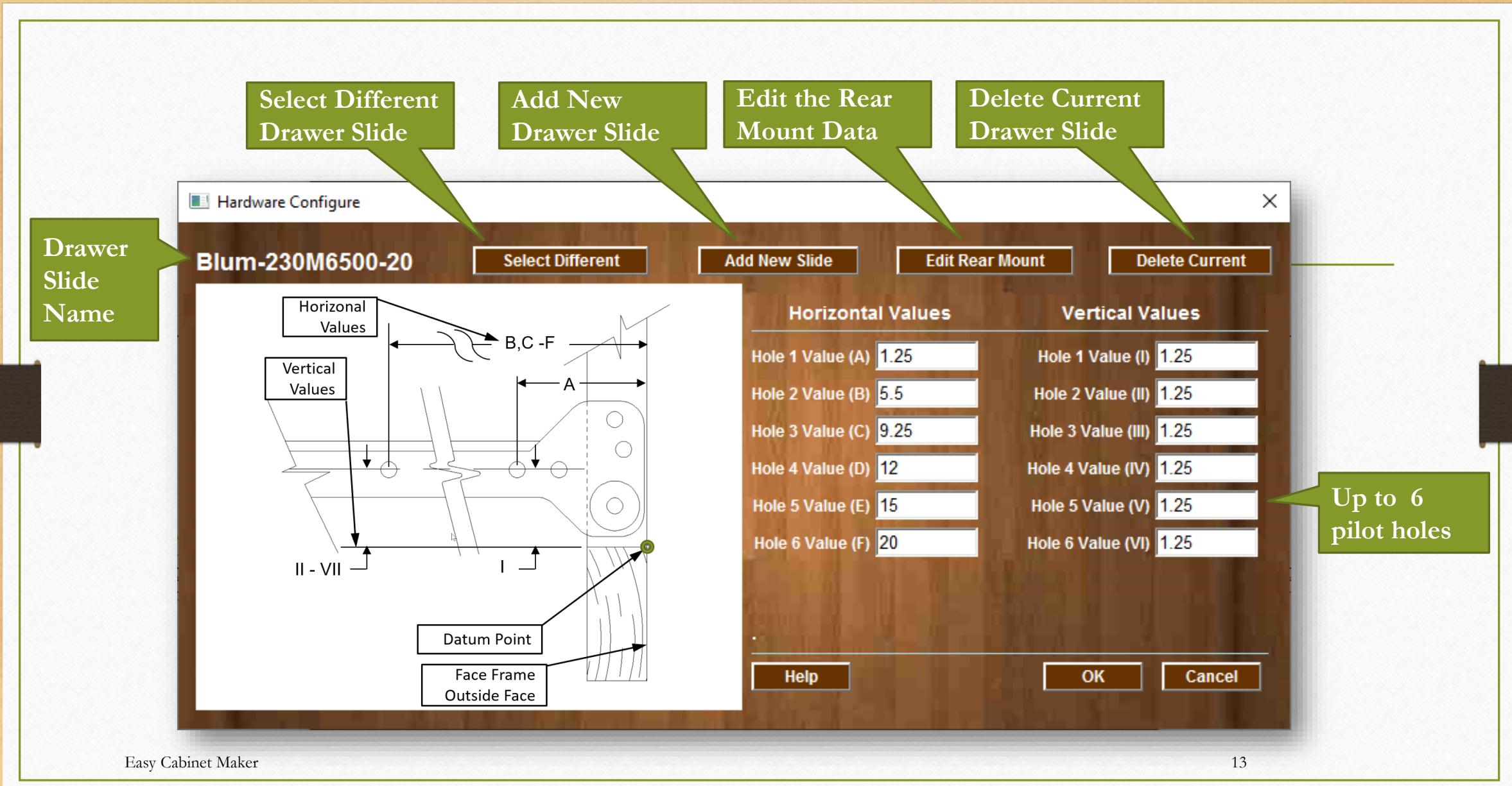
1. You can add new or remove sub items as you need. Do not remove or rename the Group Names: ([Lumber],[SheetGoods], and [Finishing])
2. Do not remove all of the sub items (ie. Finish2=xx, ...) you need one or more sub items for the program to work
3. Sub item naming needs to be in order and unquci numbering (ie. 1, 2, 3,...)
4. Sub item names must have the '=' sign between the name and the value

Part Selection Menu

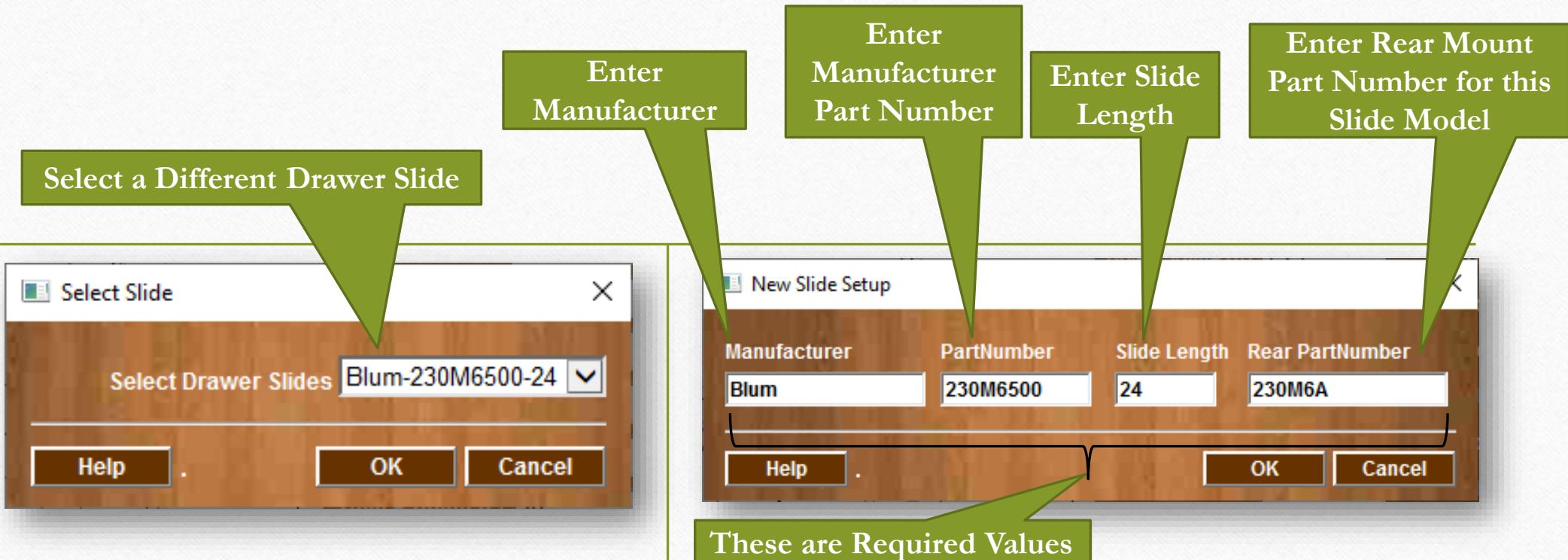
Select which parts
to be display on the
Vectric drawing



Slide Mount Menu



Drawer Slide Setup



Selecting Drawer Slide

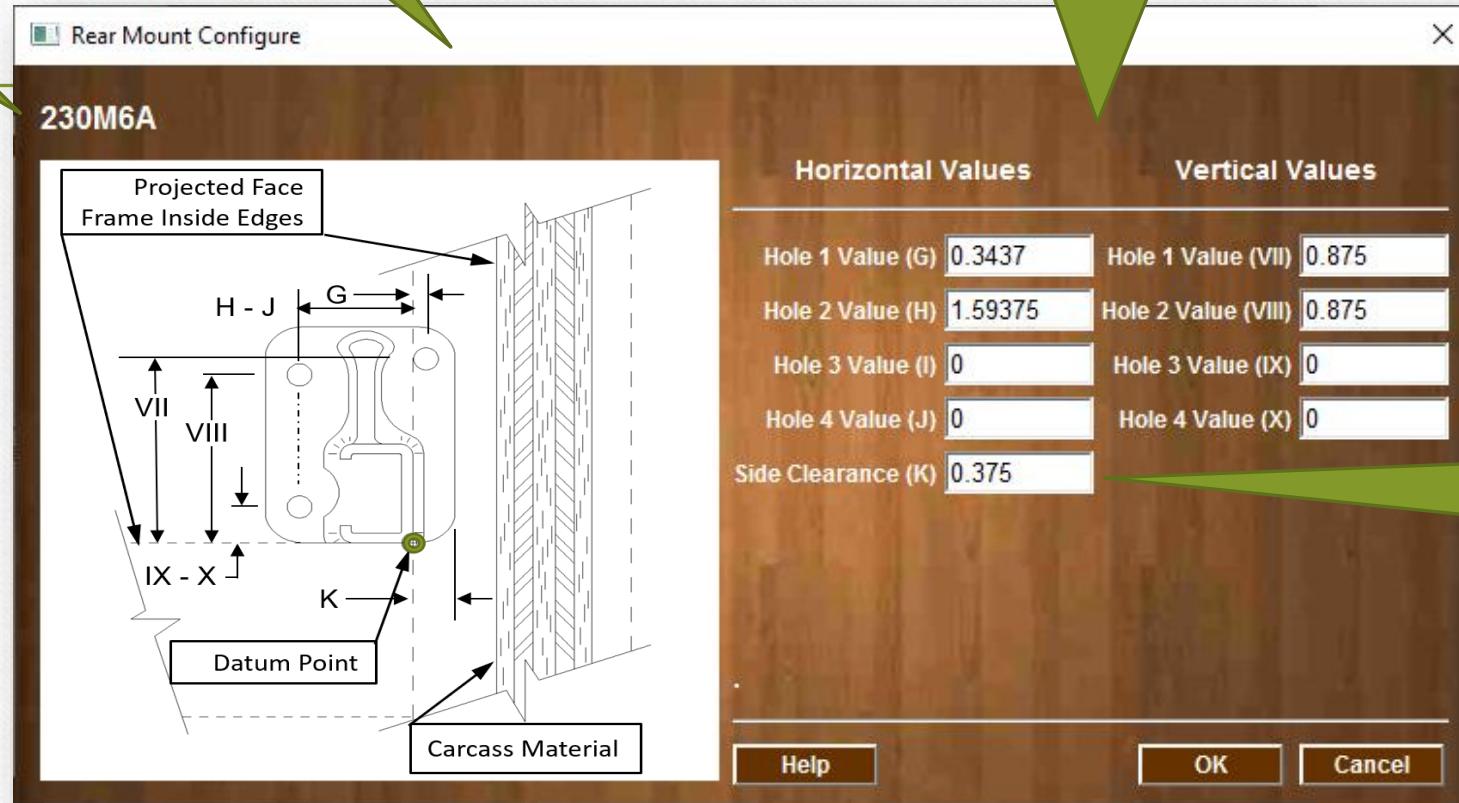
Adding a New Drawer Slide to the Library

Rear Drawer Slide Mount Menu

Rear Mount Part Number

Select Different Drawer Slide

Note: Each Hole Must Have Both (H & V) Values



Up to 4 Holes Can Be Enter

Rear Side Clearance Values can be (+ or -)

Drawer Slide Data File

```
1
2
3 # =====
4 # Easy Gadgets are an entirely optional add-in to Vectric's core software products.
5 # They are provided 'as-is', without any express or implied warranty, and you make use of them entirely at your own risk.
6 # In no event will the author(s) or Vectric Ltd. be held liable for any damages arising from their use.
7 # Permission is granted to anyone to use this software for any purpose,
8 # including commercial applications, and to alter it and redistribute it freely,
9 # subject to the following restrictions:
10 # 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software.
11 # If you use this software in a product, an acknowledgement in the product documentation would be appreciated but is not required.
12 # 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
13 # 3. This notice may not be removed or altered from any source distribution.
14 # =====
15 # Easy Cabinet Maker was written by JimAndi Gadgets of Houston Texas 2020
16 # =====
17 # Easy Cabinet Hardware List
18 # Dec 2021
19 #
20 [Blum-230M6500-26]
21 Manufacturer = Blum
22 PartNumber = 230M6500
23 SlideLength = 26.0
24 SlideCenterLine1 = 1.25
25 SlideHole1 = 1.25
26 SlideCenterLine2 = 1.25
27 SlideHole2 = 5.5
28 SlideCenterLine3 = 1.25
29 SlideHole3 = 9.25
30 SlideCenterLine4 = 1.25
31 SlideHole4 = 12.0
32 SlideCenterLine5 = 1.25
33 SlideHole5 = 15.0
34 SlideCenterLine6 = 1.25
35 SlideHole6 = 20.0
36 RearCenterLineA = 0.875
37 RearHoleA = 0.34375
38 RearCenterLineB = 0.875
39 RearHoleB = 1.59375
40 RearCenterLineC = 0.0
41 RearHoleC = 0
42 RearCenterLineD = 0.0
43 RearHoleD = 0
44 RearSideClearance = 0.375
45 RearPartNumber = 230M6A
46
47 [Blum-230M6500-24]
48 Manufacturer = Blum
49 PartNumber = 230M6500
```

Drawer Slide Name

Rear Mount Name

Manually modify the EasyCabinetMaterials.ini file is **not** recommended. The application can Add new Slides, Modify current Slides, and Delete a currently selected Slide.

Before you modify EasyCabinetMaterials.ini file, you should create a backup copy.

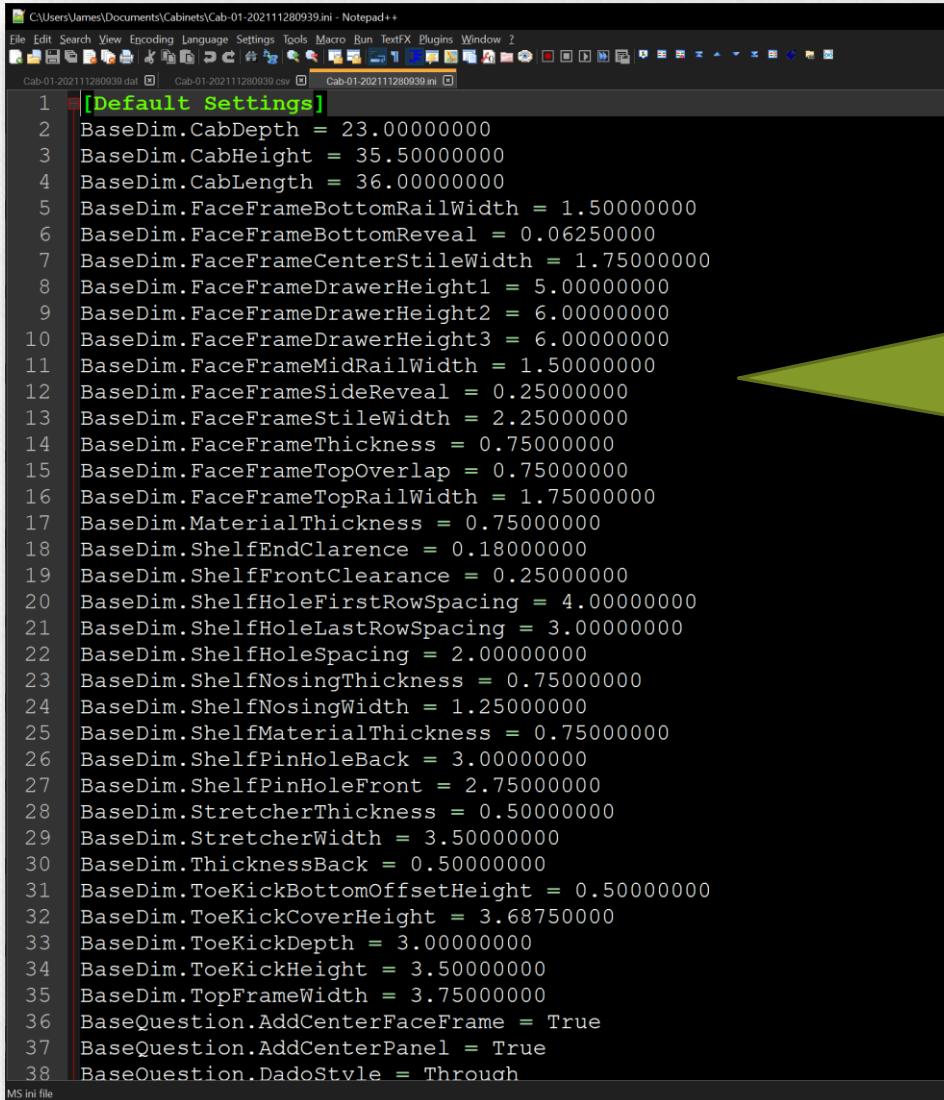
Import & Export Menu Settings

The Import & Export function can allow the user to save all of the cabinet settings to a file and be recalled as needed.

The system will automatically append “-YYYYMMDDHHMM” to the file name to ensure the export file name is unique.



Export & Import File Structure



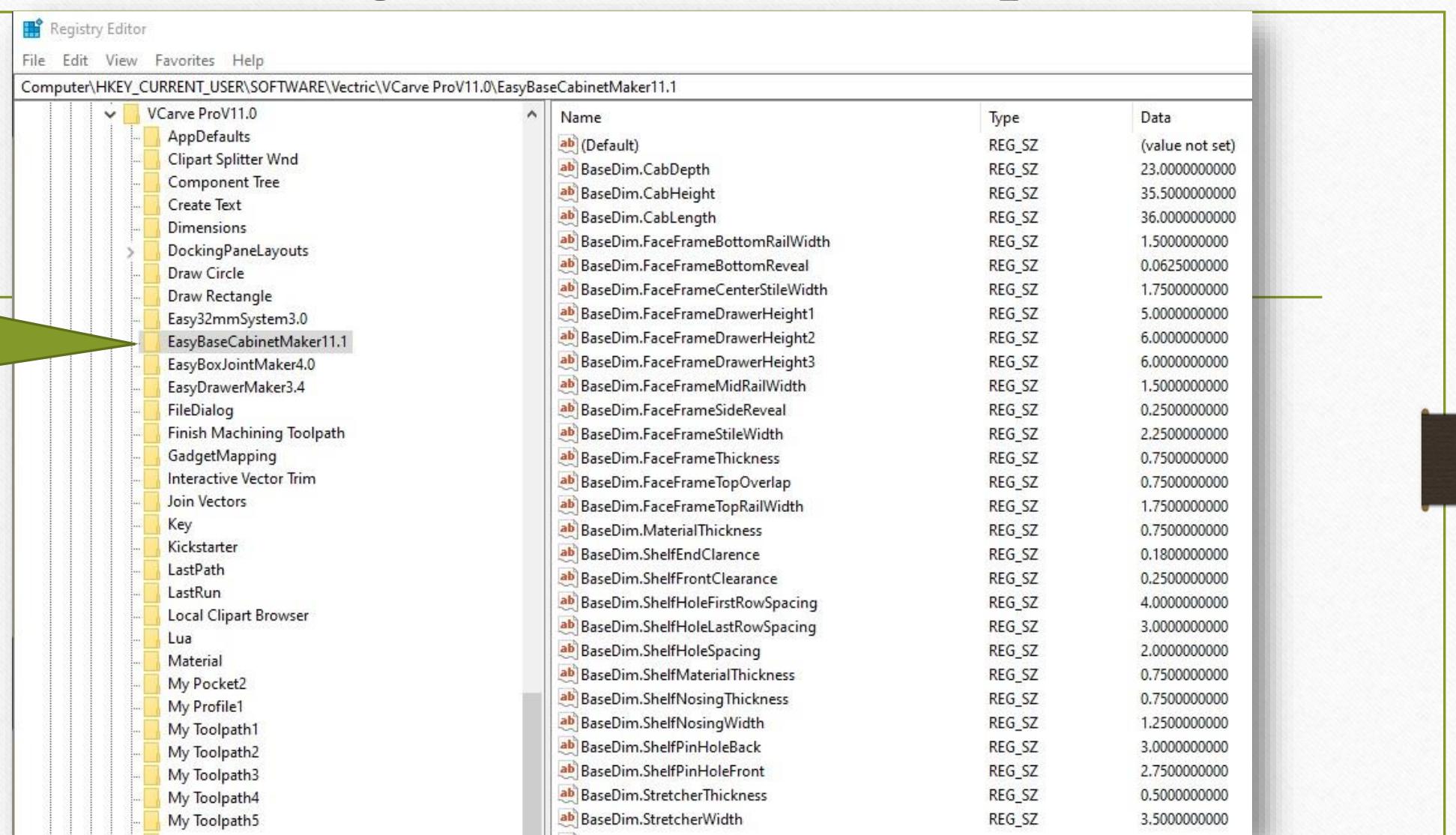
The screenshot shows a Notepad++ window displaying an .ini file named 'Cab-01-20211280939.ini'. The file contains numerous configuration parameters for a cabinet design, such as 'BaseDim.CabDepth', 'BaseDim.CabHeight', and 'BaseDim.CabLength'. A section header '[Default Settings]' is visible at the top. The file is saved as 'MS ini file'.

```
1 [Default Settings]
2 BaseDim.CabDepth = 23.00000000
3 BaseDim.CabHeight = 35.50000000
4 BaseDim.CabLength = 36.00000000
5 BaseDim.FaceFrameBottomRailWidth = 1.50000000
6 BaseDim.FaceFrameBottomReveal = 0.06250000
7 BaseDim.FaceFrameCenterStileWidth = 1.75000000
8 BaseDim.FaceFrameDrawerHeight1 = 5.00000000
9 BaseDim.FaceFrameDrawerHeight2 = 6.00000000
10 BaseDim.FaceFrameDrawerHeight3 = 6.00000000
11 BaseDim.FaceFrameMidRailWidth = 1.50000000
12 BaseDim.FaceFrameSideReveal = 0.25000000
13 BaseDim.FaceFrameStileWidth = 2.25000000
14 BaseDim.FaceFrameThickness = 0.75000000
15 BaseDim.FaceFrameTopOverlap = 0.75000000
16 BaseDim.FaceFrameTopRailWidth = 1.75000000
17 BaseDim.MaterialThickness = 0.75000000
18 BaseDim.ShelfEndClarence = 0.18000000
19 BaseDim.ShelfFrontClearance = 0.25000000
20 BaseDim.ShelfHoleFirstRowSpacing = 4.00000000
21 BaseDim.ShelfHoleLastRowSpacing = 3.00000000
22 BaseDim.ShelfHoleSpacing = 2.00000000
23 BaseDim.ShelfNosingThickness = 0.75000000
24 BaseDim.ShelfNosingWidth = 1.25000000
25 BaseDim.ShelfMaterialThickness = 0.75000000
26 BaseDim.ShelfPinHoleBack = 3.00000000
27 BaseDim.ShelfPinHoleFront = 2.75000000
28 BaseDim.StretcherThickness = 0.50000000
29 BaseDim.StretcherWidth = 3.50000000
30 BaseDim.ThicknessBack = 0.50000000
31 BaseDim.ToeKickBottomOffsetHeight = 0.50000000
32 BaseDim.ToeKickCoverHeight = 3.68750000
33 BaseDim.ToeKickDepth = 3.00000000
34 BaseDim.ToeKickHeight = 3.50000000
35 BaseDim.TopFrameWidth = 3.75000000
36 BaseQuestion.AddCenterFaceFrame = True
37 BaseQuestion.AddCenterPanel = True
38 BaseQuestion.DadoStyle = Through
```

All of the Gadget data can be exported to a standard “.ini” file. This file is used to Export and Import all of the user inputs for the current cabinet design. This feature allows the user to create a cabinet style and store it based on a project at a later time import the complete cabinet setting for additional cabinet layouts.

Registry Data - Recalling values across multiple sessions

All data is stored in the system registry and can be accessed using the Microsoft Regedit tool



| Name | Type | Data |
|--------------------------------------|--------|-----------------|
| ab (Default) | REG_SZ | (value not set) |
| ab BaseDim.CabDepth | REG_SZ | 23.0000000000 |
| ab BaseDim.CabHeight | REG_SZ | 35.5000000000 |
| ab BaseDim.CabLength | REG_SZ | 36.0000000000 |
| ab BaseDim.FaceFrameBottomRailWidth | REG_SZ | 1.5000000000 |
| ab BaseDim.FaceFrameBottomReveal | REG_SZ | 0.0625000000 |
| ab BaseDim.FaceFrameCenterStileWidth | REG_SZ | 1.7500000000 |
| ab BaseDim.FaceFrameDrawerHeight1 | REG_SZ | 5.0000000000 |
| ab BaseDim.FaceFrameDrawerHeight2 | REG_SZ | 6.0000000000 |
| ab BaseDim.FaceFrameDrawerHeight3 | REG_SZ | 6.0000000000 |
| ab BaseDim.FaceFrameMidRailWidth | REG_SZ | 1.5000000000 |
| ab BaseDim.FaceFrameSideReveal | REG_SZ | 0.2500000000 |
| ab BaseDim.FaceFrameStileWidth | REG_SZ | 2.2500000000 |
| ab BaseDim.FaceFrameThickness | REG_SZ | 0.7500000000 |
| ab BaseDim.FaceFrameTopOverlap | REG_SZ | 0.7500000000 |
| ab BaseDim.FaceFrameTopRailWidth | REG_SZ | 1.7500000000 |
| ab BaseDim.MaterialThickness | REG_SZ | 0.7500000000 |
| ab BaseDim.ShelfEndClarence | REG_SZ | 0.1800000000 |
| ab BaseDim.ShelfFrontClearance | REG_SZ | 0.2500000000 |
| ab BaseDim.ShelfHoleFirstRowSpacing | REG_SZ | 4.0000000000 |
| ab BaseDim.ShelfHoleLastRowSpacing | REG_SZ | 3.0000000000 |
| ab BaseDim.ShelfHoleSpacing | REG_SZ | 2.0000000000 |
| ab BaseDim.ShelfMaterialThickness | REG_SZ | 0.7500000000 |
| ab BaseDim.ShelfNosingThickness | REG_SZ | 0.7500000000 |
| ab BaseDim.ShelfNosingWidth | REG_SZ | 1.2500000000 |
| ab BaseDim.ShelfPinHoleBack | REG_SZ | 3.0000000000 |
| ab BaseDim.ShelfPinHoleFront | REG_SZ | 2.7500000000 |
| ab BaseDim.StretcherThickness | REG_SZ | 0.5000000000 |
| ab BaseDim.StretcherWidth | REG_SZ | 3.5000000000 |

Tool Selection for Part Profile

Tool Database

Material: Imported

Online

Machine: CNC Router

End Mill (0.2500 inch) UpDown
1/4 Dia

Notes:

Tool Type: End Mill

Geometry:

Units: inches

Diameter (D): 0.25 inches

No. Flutes:

Cutting Parameters:

Pass Depth: 0.15 inches

Stepover: 0.125 inches, 50 %

Feeds and Speeds:

Spindle Speed: 24000 r.p.m

Feed Units: inches/min

Feed Rate: 60 inches/min

Plunge Rate: 45 inches/min

Tool Number: 4

Easy Cabinet Maker

(+), (-), (C), (F), (S), (Delete)

Layers and Toolpaths

The screenshot displays the Easy Cabinet Maker software interface with two main windows side-by-side.

Left Window (Layers View):

- Toolbar:** File, Edit, Model, Machine, Toolpaths, View, Gadgets, Help.
- Panel:** Layers List (selected tab).
 - Layer 1
 - NotesProfile
 - PartLabels
 - BackPocketProfile-Base
 - BackPanelProfile-Base
 - CenterPanelProfile-Base
 - PinHoles-Base
 - FaceFrameProfile-Base
 - Base
 - SidePanelPocket-Base
 - DrillShelfPinProfile-Base
 - TopBottomPanelProfile-Base
 - TopBottomPocket-Base
 - StretcherProfile-Base
- Buttons:** Up/Down, Sort.

Right Window (Toolpaths View):

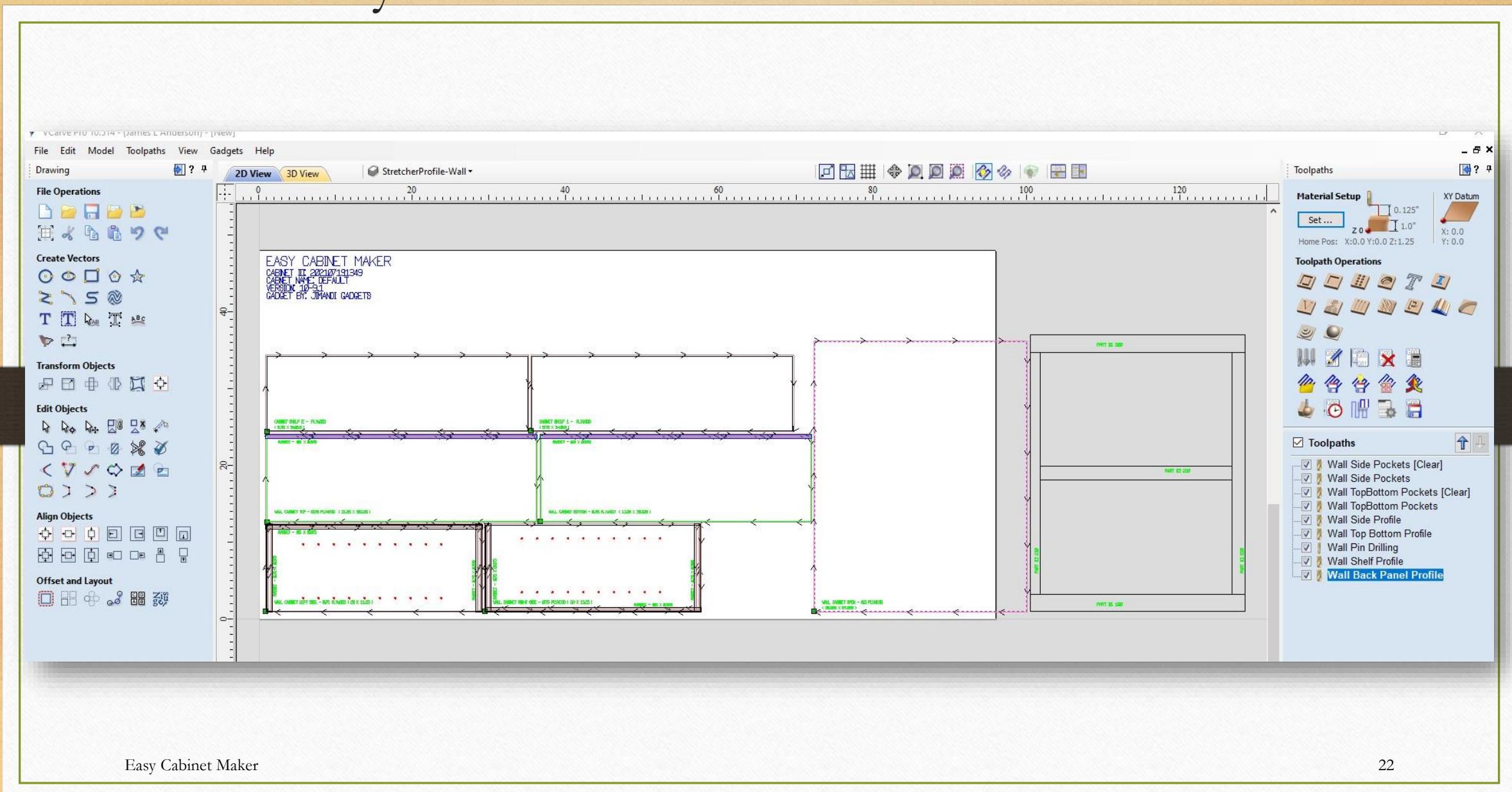
- Toolbar:** File, Edit, Model, Machine, Toolpaths, View, Gadgets, Help.
- Panel:** Toolpaths (selected tab).
 - Material Setup:** XY Datum, Set ..., Home Pos: X:0.0 Y:0.0 Z:0.8.
 - Toolpath Operations:** A grid of icons representing various toolpath types.
 - Toolpaths List:** A list of checked toolpaths:
 - 1-Base Center Drilling
 - 1-Base Shelf Profile
 - 1-Base Center Panel Profile
 - 1-Base Side Drilling
 - 1-Base TopBottom Pockets [Clear]
 - 1-Base TopBottom Pockets
 - 1-Base Side Pockets [Clear]
 - 1-Base Side Pockets
 - 1-Base Side Profile
 - 1-Base Back Pockets [Clear]
 - 1-Base Back Pockets
 - 1-Base Back Panel Profile
 - 1-Base Stretcher Rails Profile
 - 1-Base Top Bottom Profile** (highlighted in blue)
- Views:** 2D View (selected) and 3D View.
- 2D View:** Shows a cabinet profile with dimensions 0-40, 20-40, and 0-20. Labels include "EASY CABINET MAKER", "CABINET ID: 201908181322", "CABINET NAME: DEFAULT", "VERSION: 1.0.2", "CODE BY: JIMMII GADGETS", "10 UP BASE MEDIUM HALF", "TOP FLUSHED SIDE X LAYER", and "10 UP SIDE MEDIUM HALF".
- 3D View:** Shows a 3D perspective view of the cabinet model.

Text Callout: Verbose naming for Layer and Toolpaths to assist in identification.

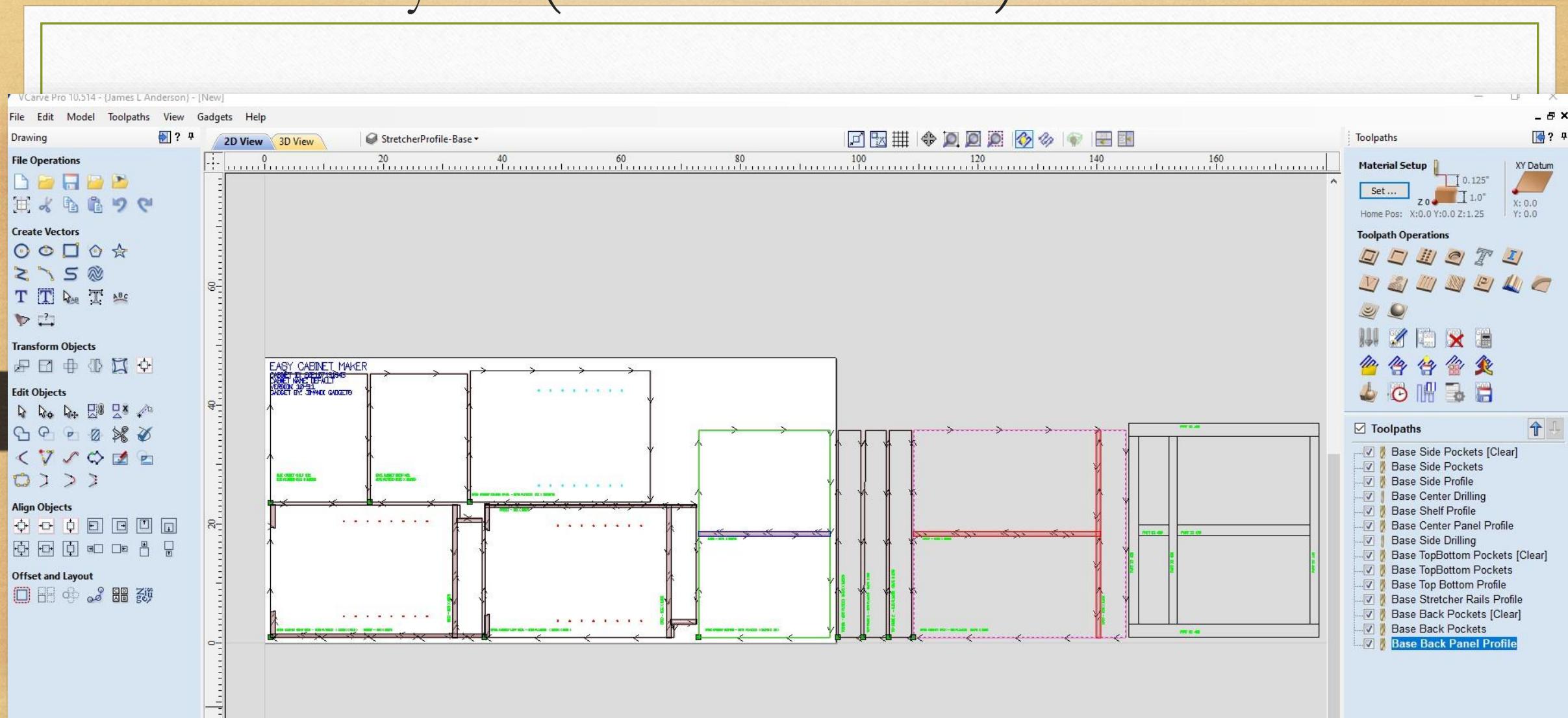
Easy Cabinet Maker

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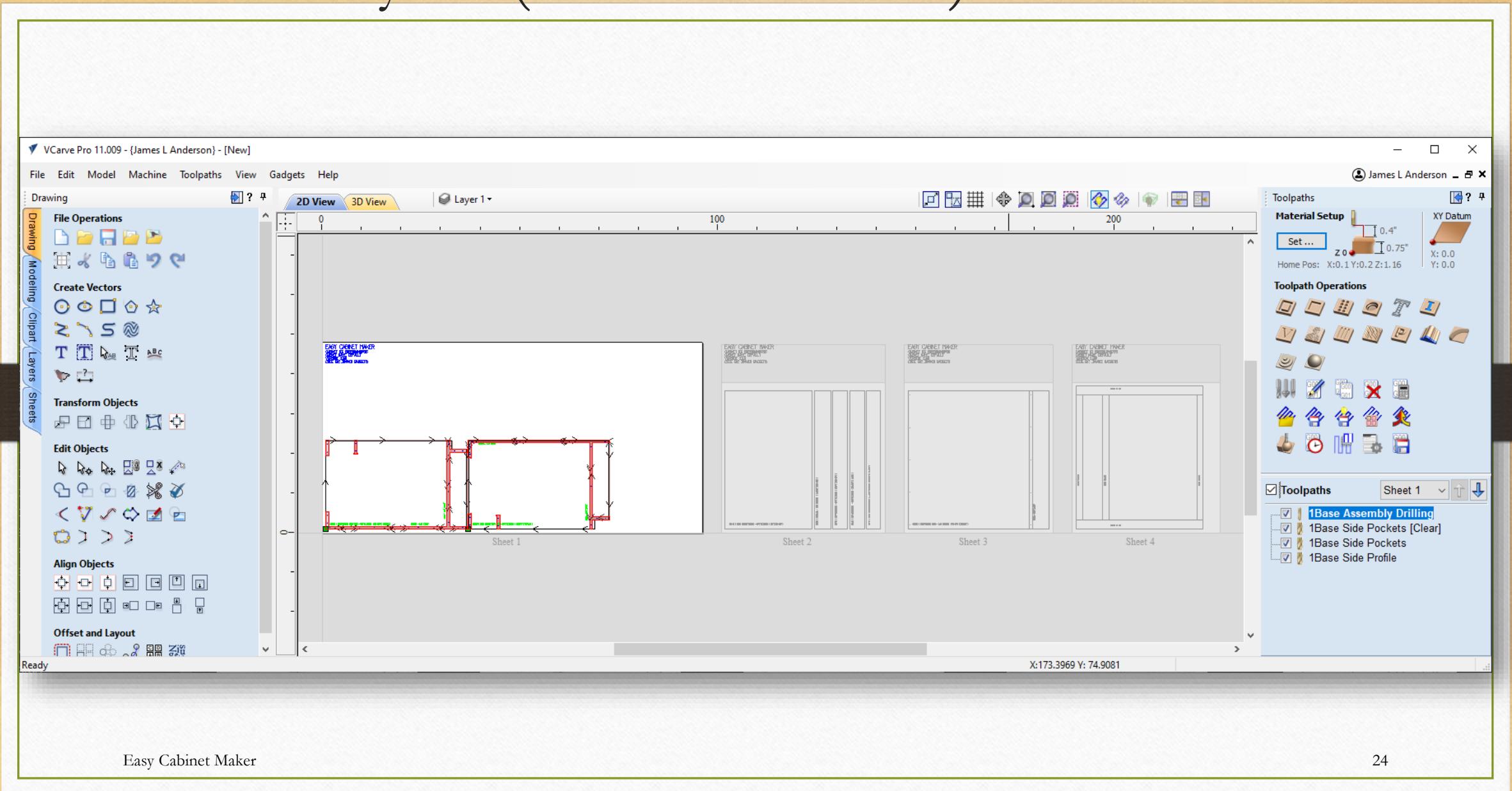
Wall Cabinet Layout



Base Cabinet Layout (With Sheets Off)



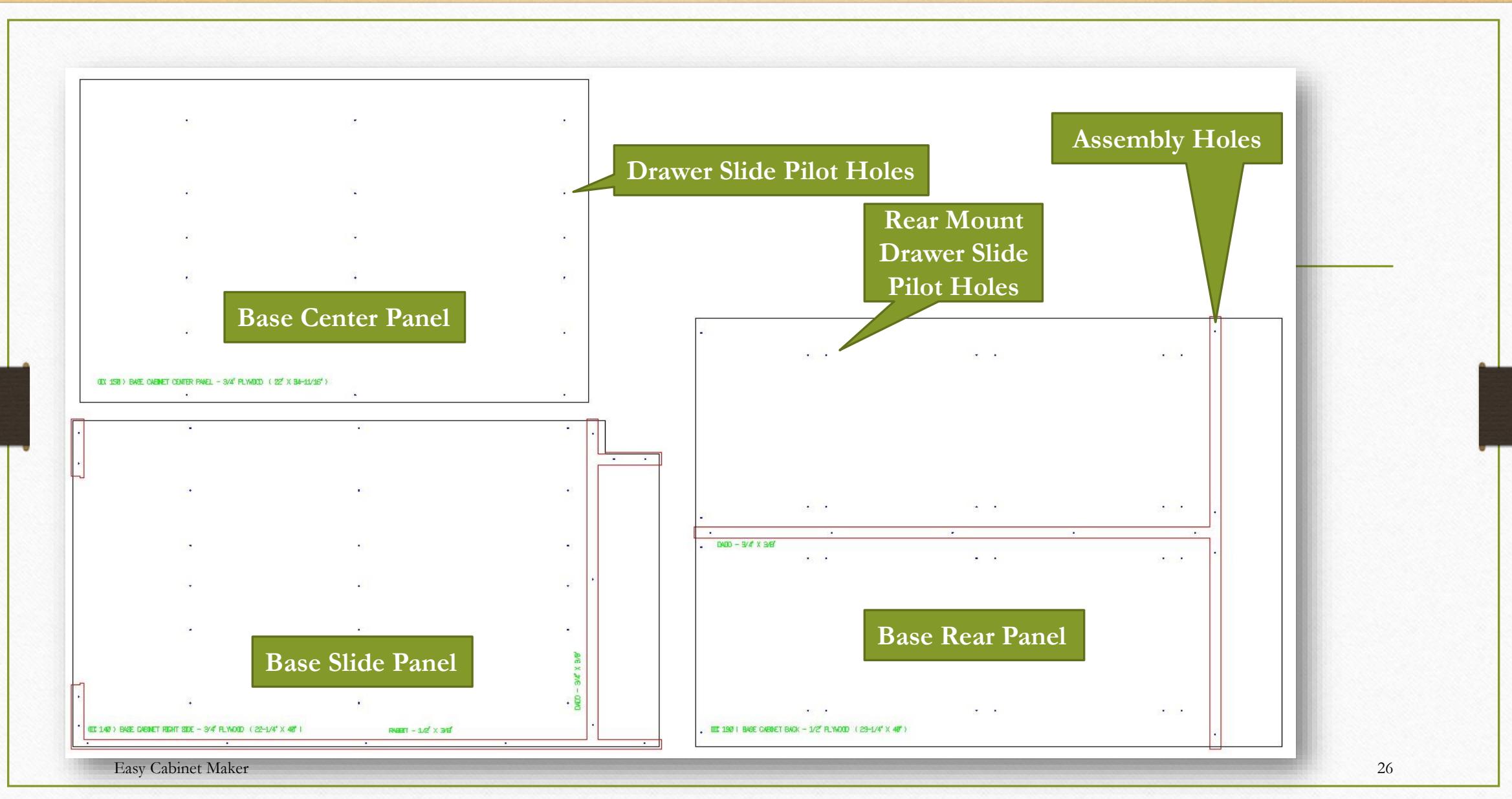
Base Cabinet Layout (With Sheets On)



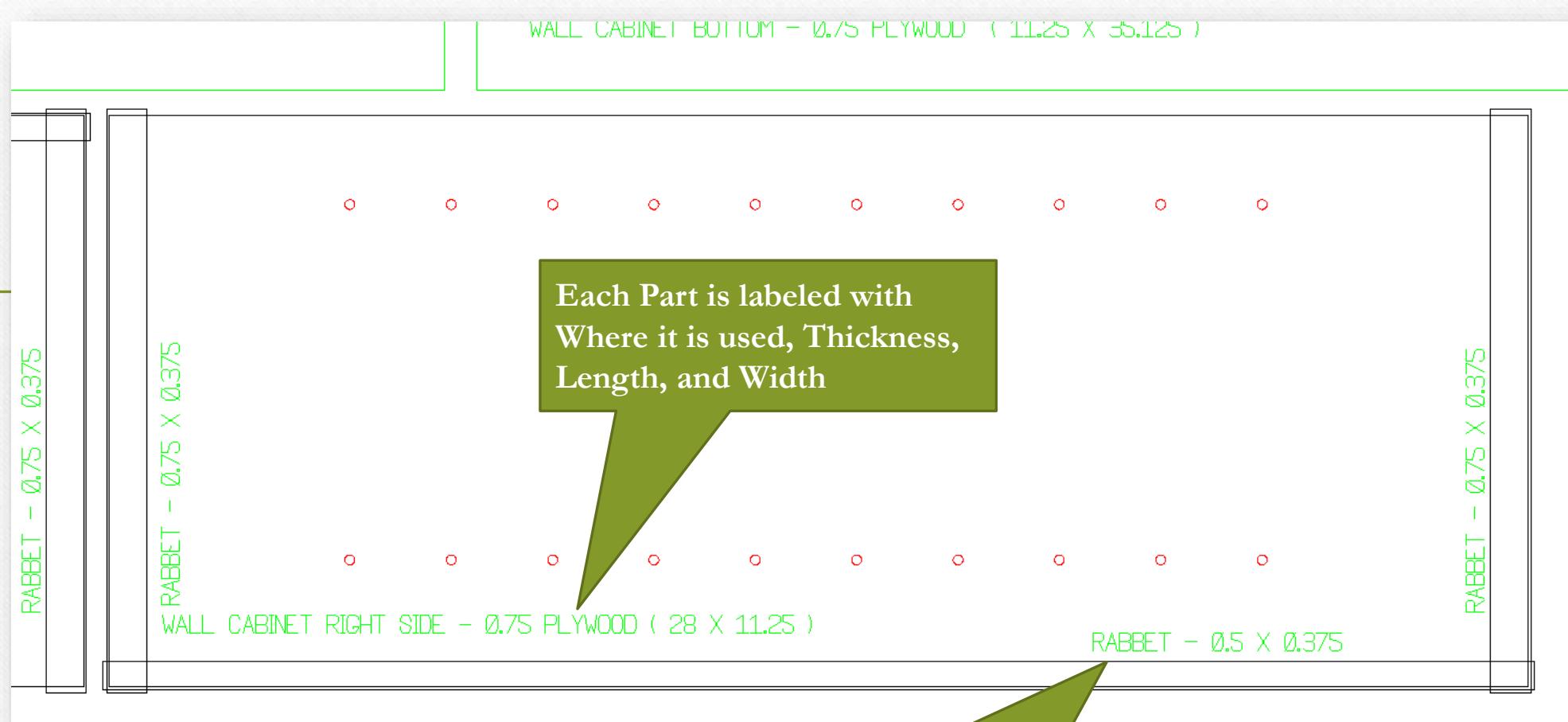
Sheet Labels



Base Parts – Drawer Slide Pilot Holes



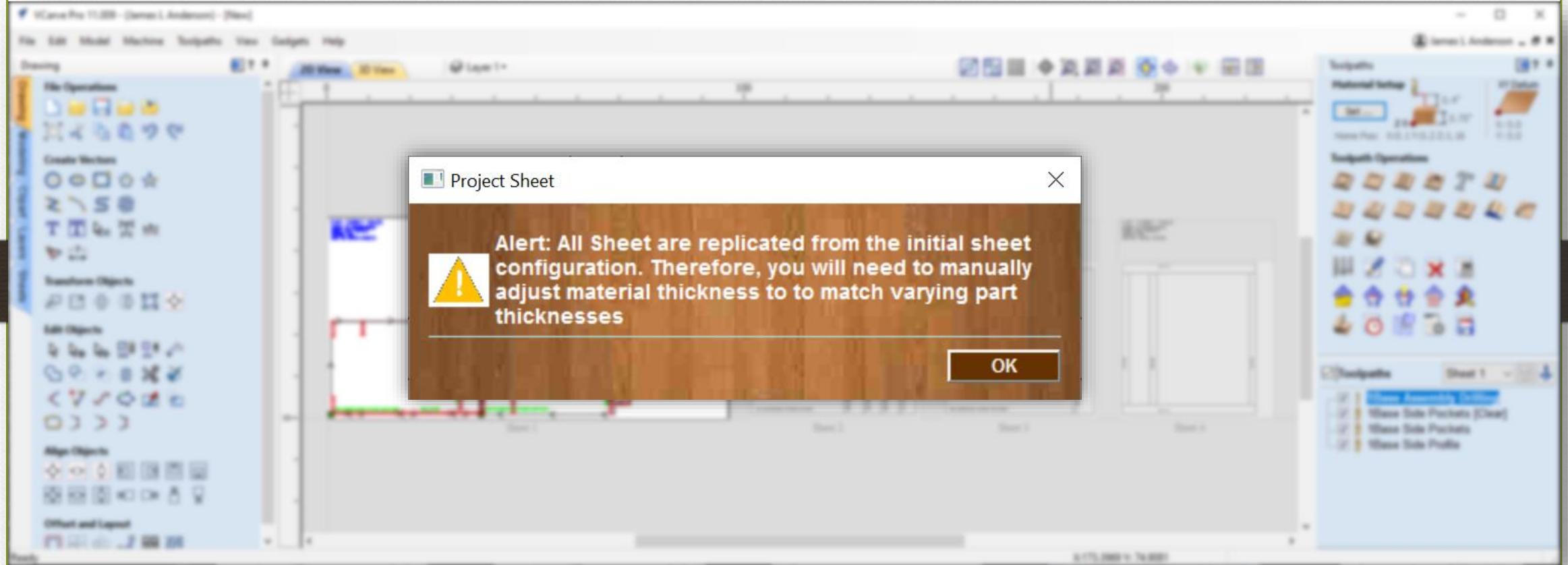
Part Identification and Milling Notation



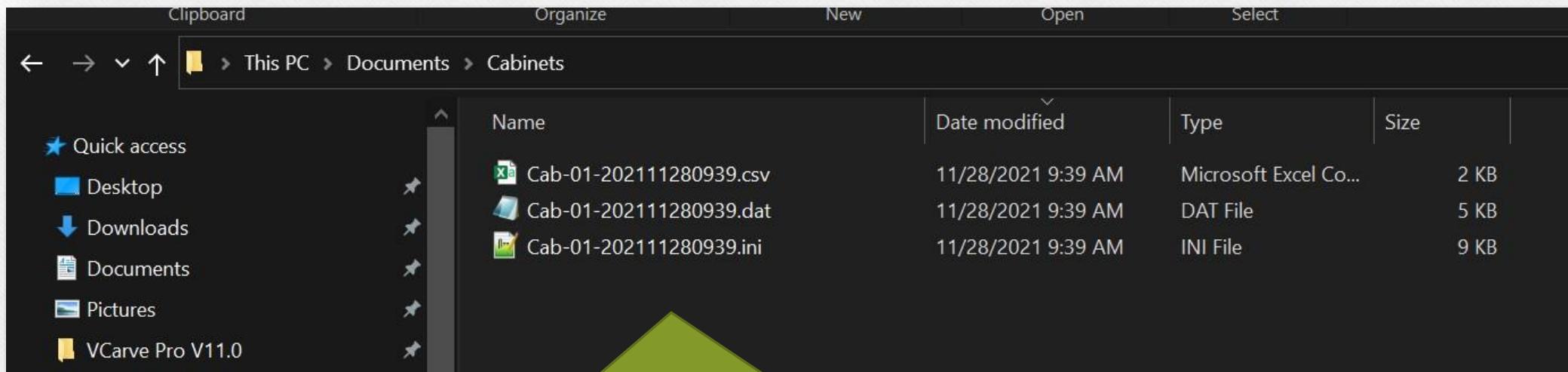
Each Part is labeled with
Where it is used, Thickness,
Length, and Width

Each Milling operation can show
labels for the Type, Width and Height
(See Milling Setting)

Process Completion



Bill of Material Files



All project files (csv, dat, and ini) are stored in the Project directory

Edit CSV file in Excel or Text editor

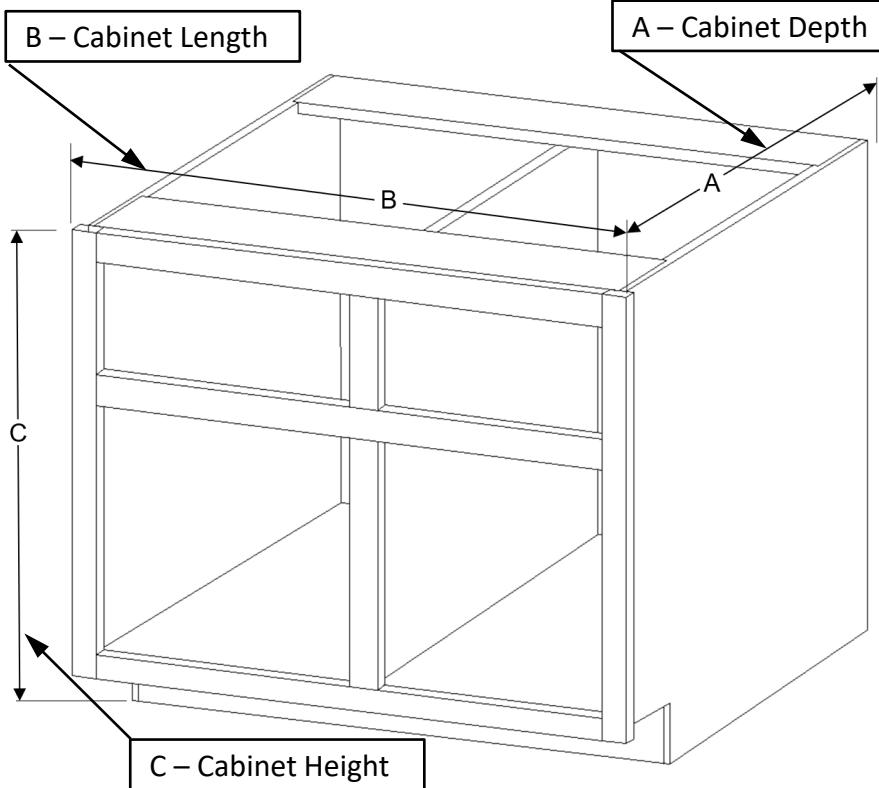
```
Type,Cabinet, ID, Part Name, Count, Thick, Material, Finish, Width, Length  
Wall, Default, 20, Left Side Panel, 1, 0.75, Birch ply, Unfinished, 11.25, 11.25  
Wall, Default, 30, Right Side Panel, 1, 0.75, Birch ply, Unfinished, 11.25, 27.25  
Wall, Default, 40, Top Panel, 1, 0.75, Birch ply, Unfinished, 12, 35.125  
Wall, Default, 50, Bottom Panel, 1, 0.75, Birch ply, Unfinished, 12, 35.125  
Wall, Default, 60, Cabinet Shelf, 2, 0.75, Birch ply, Unfinished, 9.75, 34.015  
Wall, Default, 70, Shelf Nose (Not Shown), 2, 0.75, Hardwood, Unfinished, 1.125, 34.015  
Wall, Default, 80, Back Panel, 1, 0.5, Birch ply, Unfinished, 26.5625, 35.125  
Wall, Default, 90, Face Frame Stile, 2, 0.75, Hardwood, Unfinished, 2.25, 28  
Wall, Default, 100, Face Frame Top, 1, 0.75, Hardwood, Unfinished, 1.75, 31.5  
Wall, Default, 110, Face Frame Bottom, 1, 0.75, Hardwood, Unfinished, 1.25, 31.5  
Wall, Default, 120, Center Face Frame, 1, 0.75, Hardwood, Unfinished, 1.75, 25  
Base, Default, 130, Cabinet Left Side, 1, 0.75, Birch ply, Unfinished, 22.25, 35.5  
Base, Default, 140, Cabinet Right Side, 1, 0.75, Birch ply, Unfinished, 22.25, 35.5  
Base, Default, 150, Cabinet Center Panel, 1, 0.75, Birch ply, Unfinished, 22, 30.1875  
Base, Default, 160, Cabinet Shelf, 2, 0.75, Birch ply, Unfinished, 21.5, 16.265  
Base, Default, 170, Shelf Nose (Not Shown), 2, 0.75, Birch ply, Unfinished, 1.25, 16.265  
Base, Default, 180, Cabinet Bottom, 1, 0.75, Birch ply, Unfinished, 22, 34.75  
Base, Default, 190, Toe Kick, 1, 0.75, Birch ply, Unfinished, 4.1875, 34.75  
Base, Default, 200, Top Stretcher, 2, 0.75, Birch ply, Unfinished, 3.75, 34.75  
Base, Default, 210, Cabinet Back, 1, 0.5, Birch ply, Unfinished, 34.75, 35.5  
Base, Default, 220, Face Frame Stile, 2, 0.75, Hardwood, Unfinished, 2.25, 32  
Base, Default, 230, Face Frame Top Rail, 1, 0.75, Hardwood, Unfinished, 1.75, 31.5  
Base, Default, 240, Face Frame Bottom Rail, 1, 0.75, Hardwood, Unfinished, 1.5, 31.5  
Base, Default, 250, Face Frame Mid Rail, 1, 0.75, Hardwood, Unfinished, 1.75, 31.5  
Base, Default, 260, Center, 1, 0.75, Hardwood, Unfinished, 1.75, 5  
Base, Default, 270, Center, 1, 0.75, Hardwood, Unfinished, 1.75, 22.25
```

Excel ready (.csv) Bill of Materials

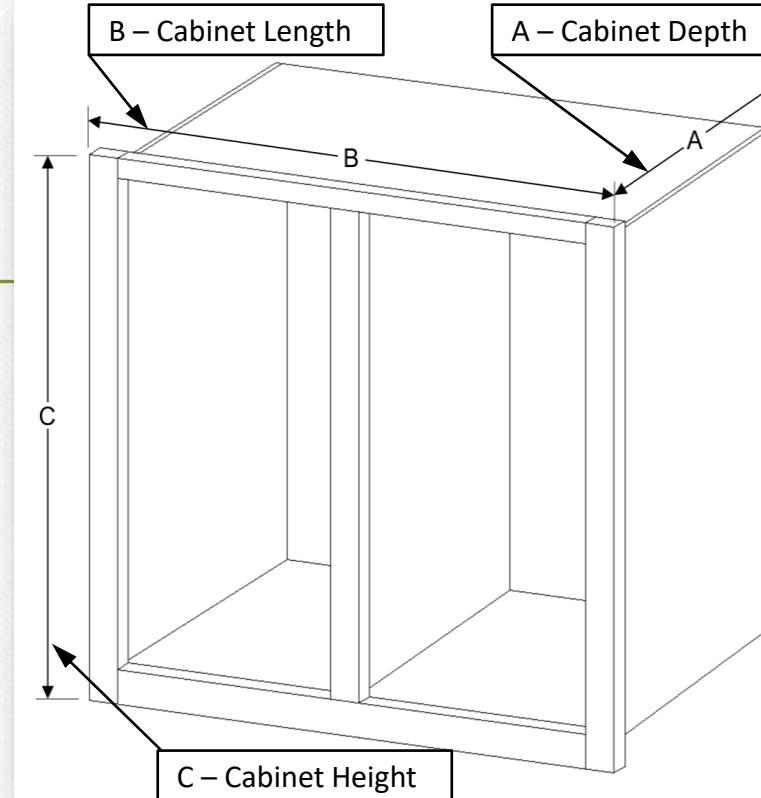
```
===== Cabinet Cut-list =====  
Project Run Date ID: 202201161019  
Cabinet Project Name: Easy Cabinet Maker  
Cabinet Name: Default  
Drawing Units: inches  
  
===== Wall Cabinet Size =====  
Cabinet Finish = Unfinished  
Face Frame Finish = Unfinished  
Ply Thickness = 0.7500 as 3/4"  
Cabinet Height = 28" (28.0000)  
Cabinet Width = 36" (36.0000)  
Cabinet Depth = 12" (12.0000)  
Carcass Diagonal = 44-7/32" (44.232694356098)  
Face Frame Diagonal = 45-19/32" (45.607017003966)  
  
===== Base Cabinet Size =====  
Cabinet Finish = Unfinished  
Face Frame Finish = Unfinished  
Ply Thickness = 0.7500 as 3/4"  
Cabinet Height = 35-1/2" (35.5000)  
Cabinet Width = 36" (36.0000)  
Cabinet Depth = 23" (23.0000)  
Carcass Diagonal = 50-7/32" (50.204581464245)  
Face Frame Diagonal = 48-5/32" (48.166378315169)  
Drawer Slides Model = Blum-230M6500-20  
Drawer Rear Mount = 230M6A  
Drawer Slides Count = 2 (L&R)  
  
===== ID | Part Name | Type | No | Thick | Material | Width | Length =====  
20 | Left Side Panel | Wall | 1 | 3/4" | Birch ply | 11-1/4" | 11-1/4"  
30 | Right Side Panel | Wall | 1 | 3/4" | Birch ply | 11-1/4" | 25-7/8"  
40 | Top Panel | Wall | 1 | 3/4" | Birch ply | 12" | 35-1/8"  
50 | Bottom Panel | Wall | 1 | 3/4" | Birch ply | 12" | 35-1/8"  
60 | Cabinet Shelf | Wall | 2 | 3/4" | Birch ply | 9-3/4" | 34"  
70 | Shelf Nose | Wall | 2 | 3/4" | Hardwood | 1-1/8" | 34"  
80 | Back Panel | Wall | 1 | 1/2" | Birch ply | 25-7/8" | 35-1/8"
```

Print ready (.dat) Shop Bill of Materials

Cabinet Dimensioning

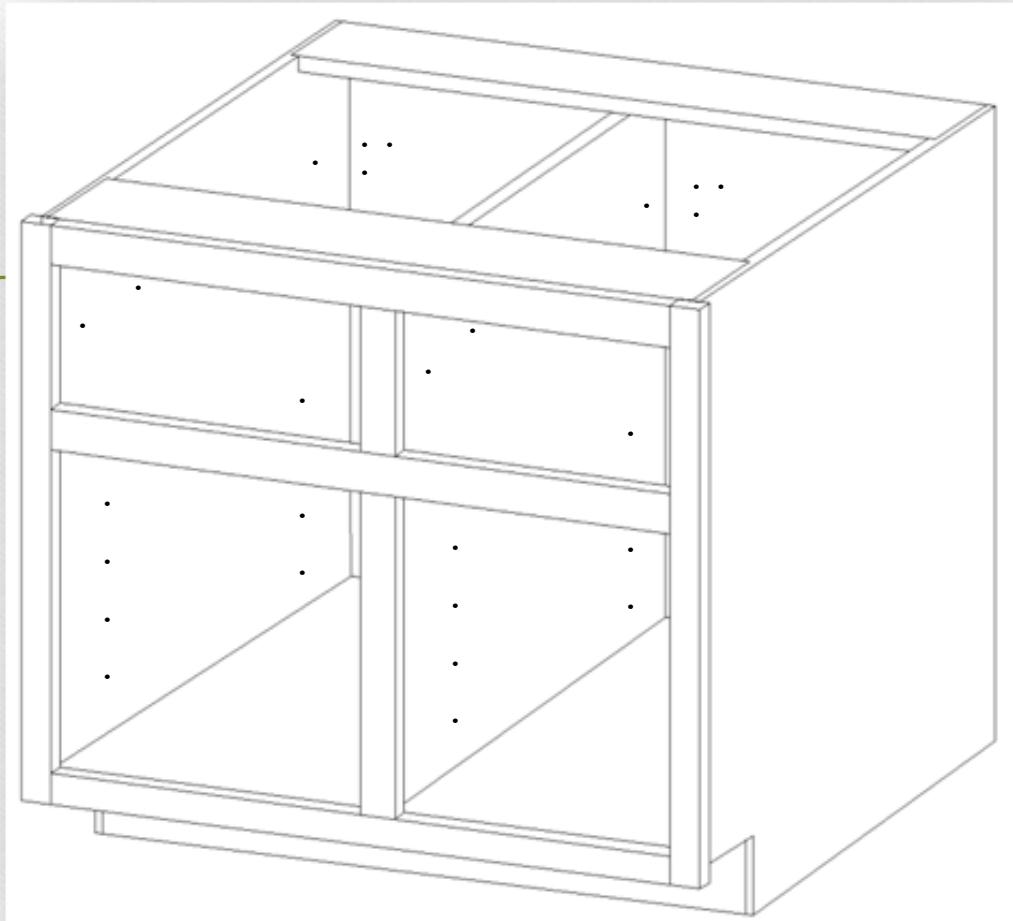


Base Cabinet Dimensions

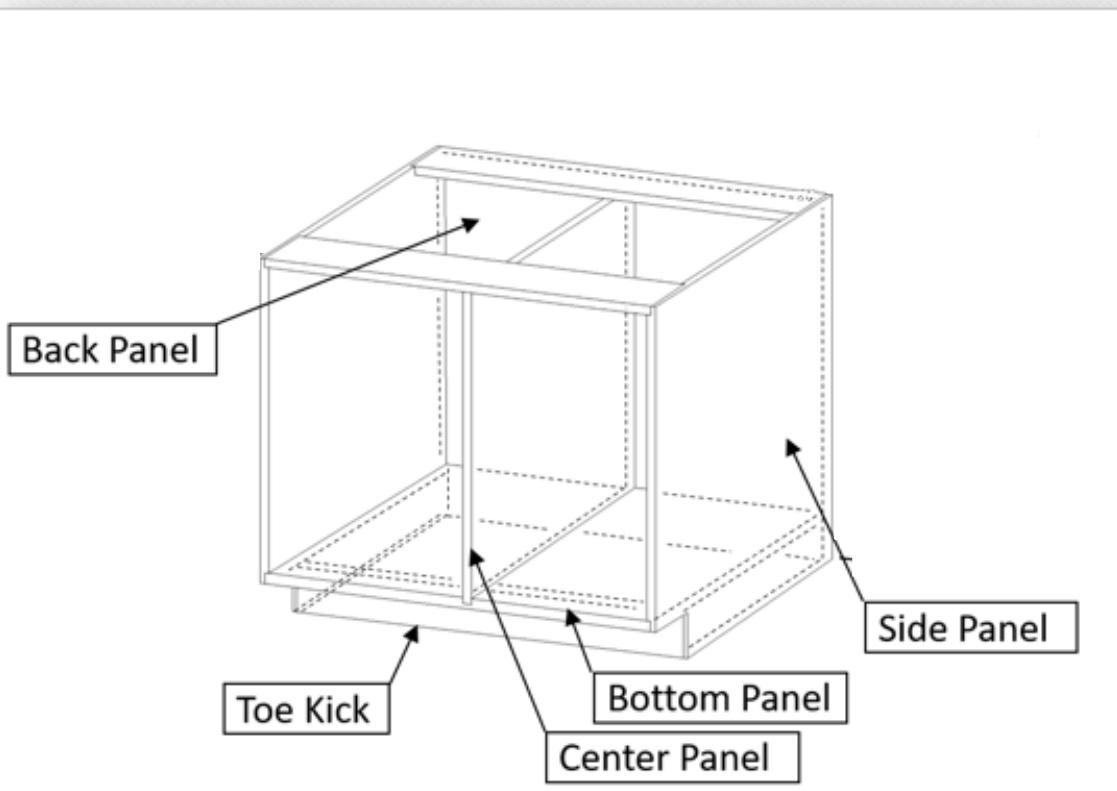


Wall Cabinet Dimensions

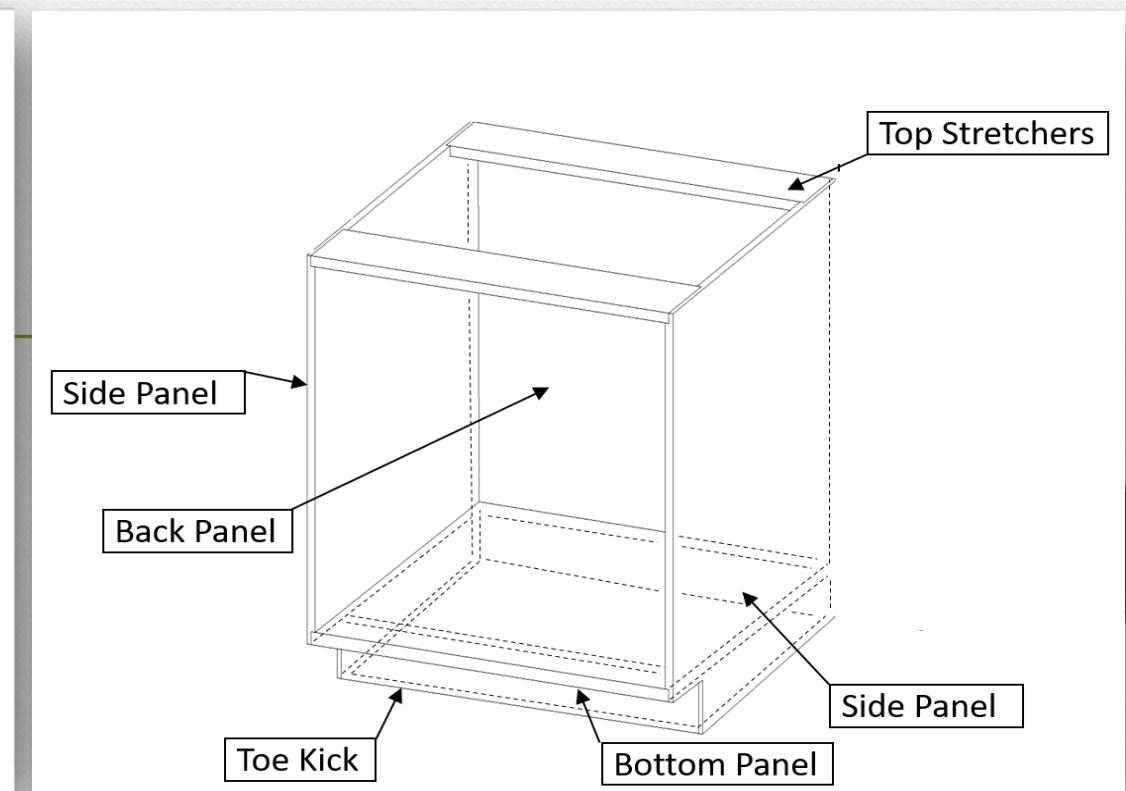
Base Cabinet Sections and Details



Base Cabinet Carcass with and without Center Panel



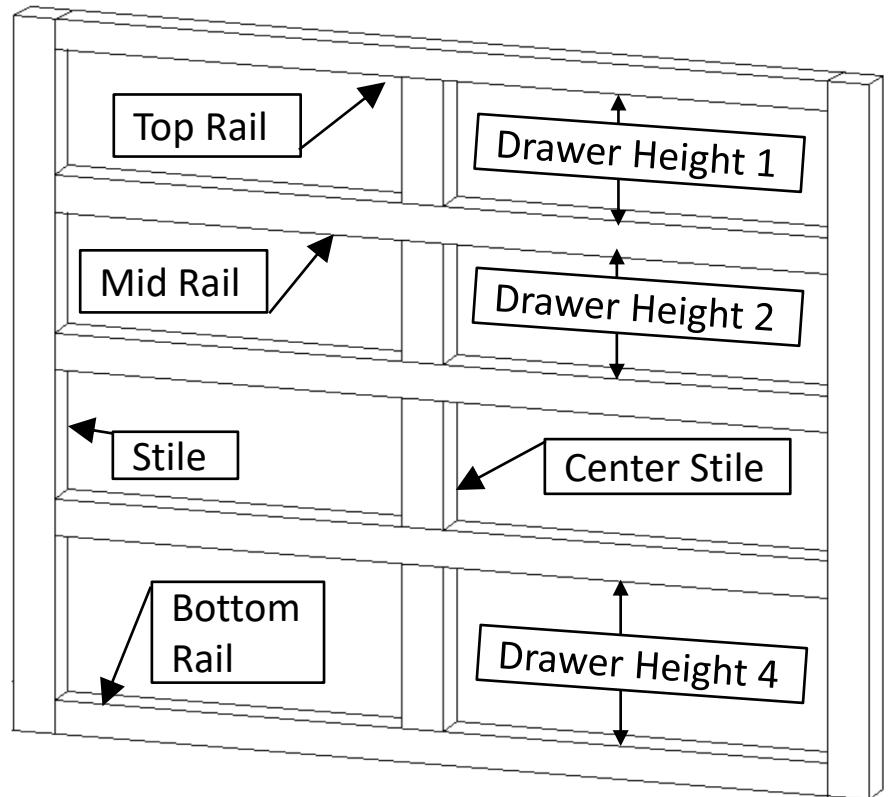
Base Cabinet with Center Panel



Base Cabinet without Center Panel

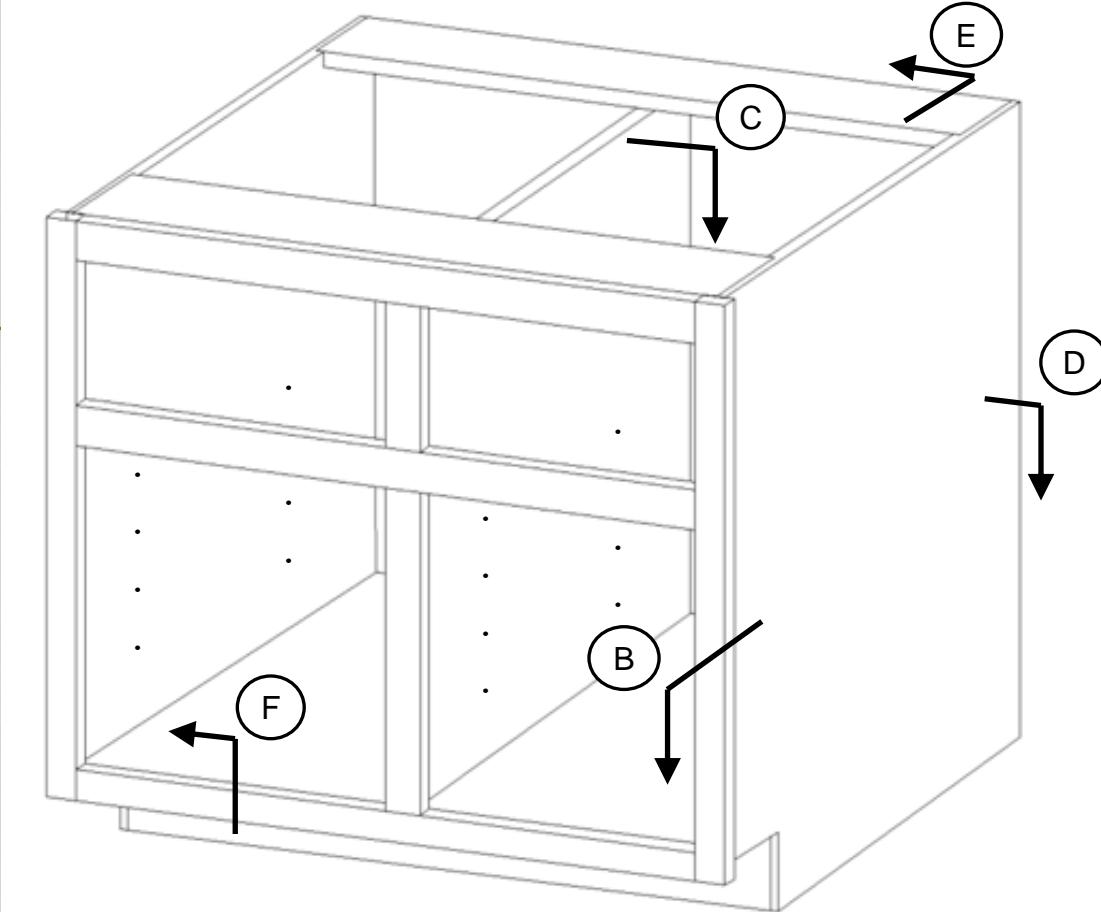
Note: The face frame is not shown

Base Face Frame Part Names



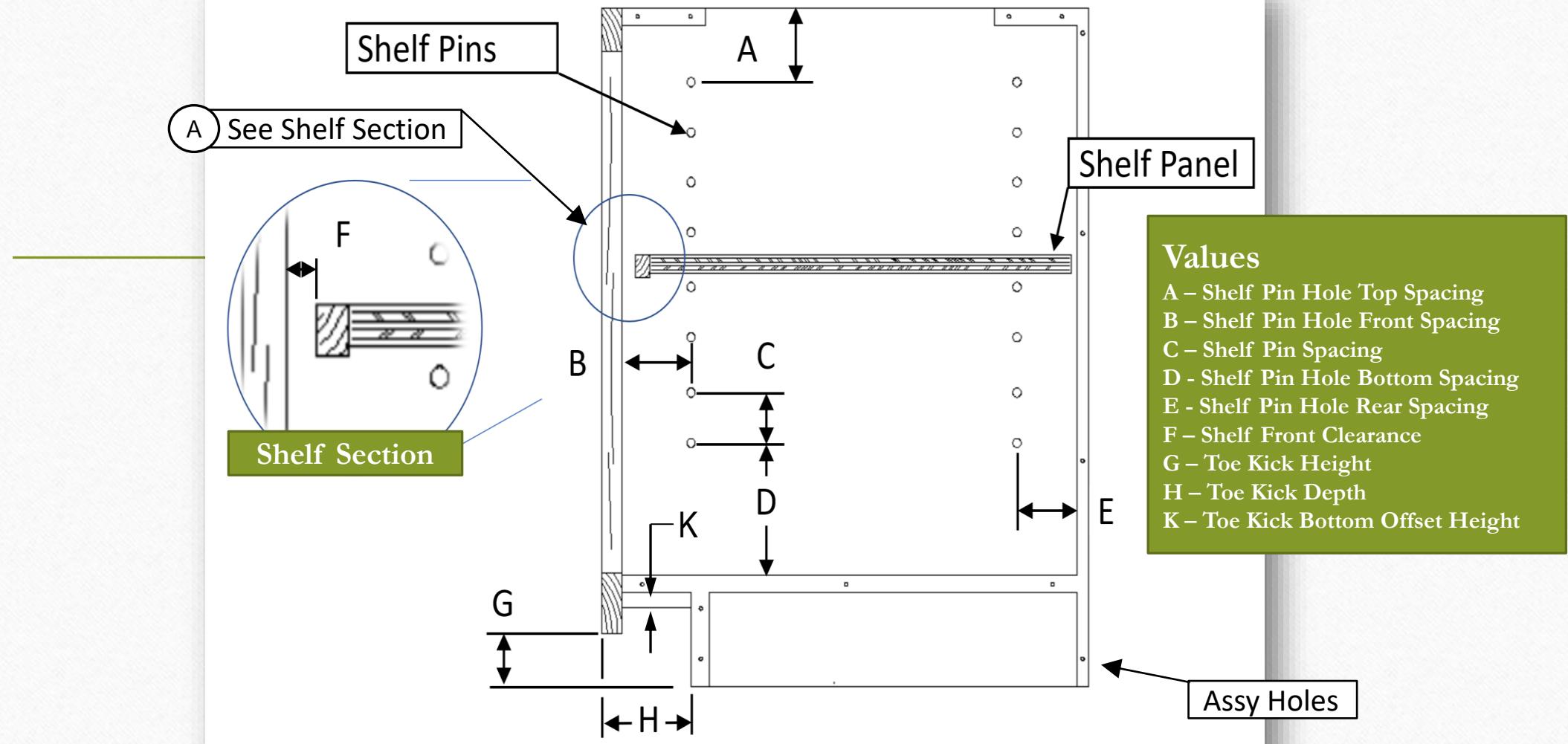
Base Cabinet Face Frame

Base Cabinet Sections

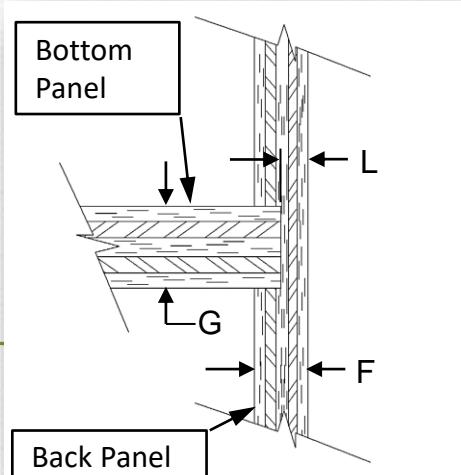
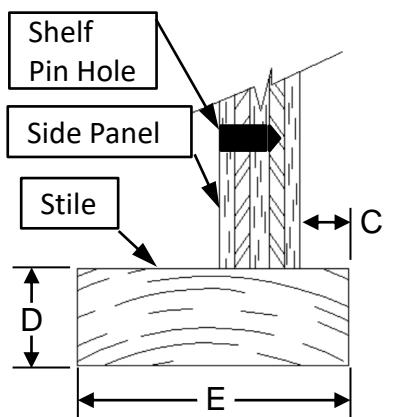
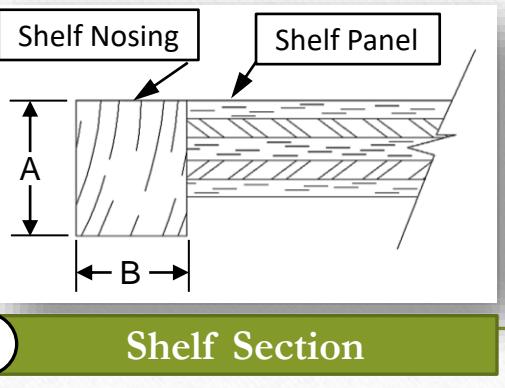


Base Cabinet Section Cuts

Base Cabinet Side Cross Section Details

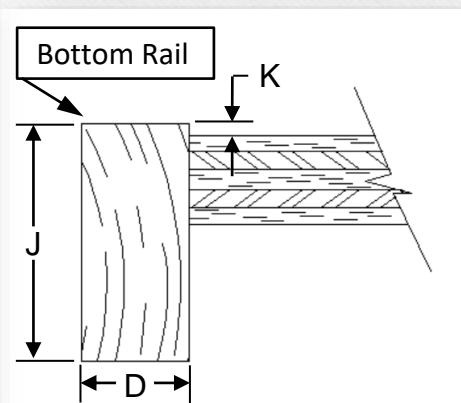
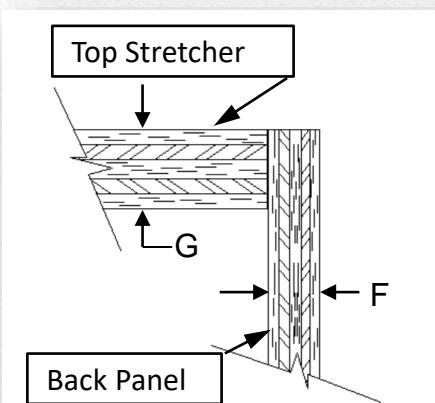
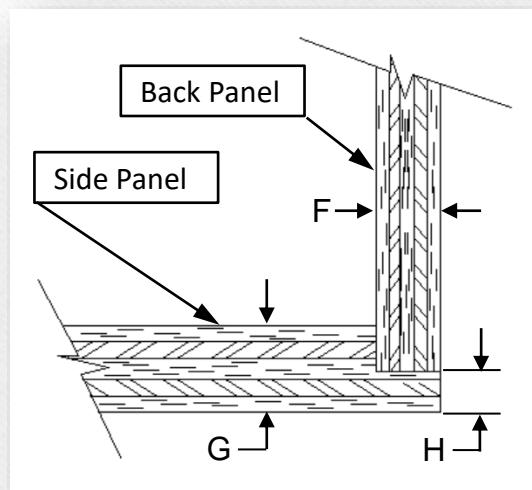


Base Cabinet Part Details



Values

A – Shelf Nosing Width
B – Shelf Nosing Thickness
C – Face Frame Side Reveal
D – Face Frame Thickness
E – Stile Width
F – Back Material Thickness
G - Carcass Thickness
H – Carcass Dado Height
J – Bottom Rail Width
K – Bottom Rail Reveal
L – Back Dado Height

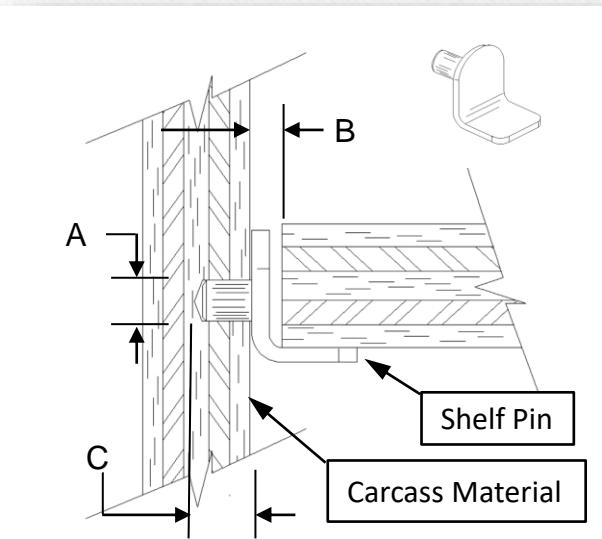


D Side to Back Section

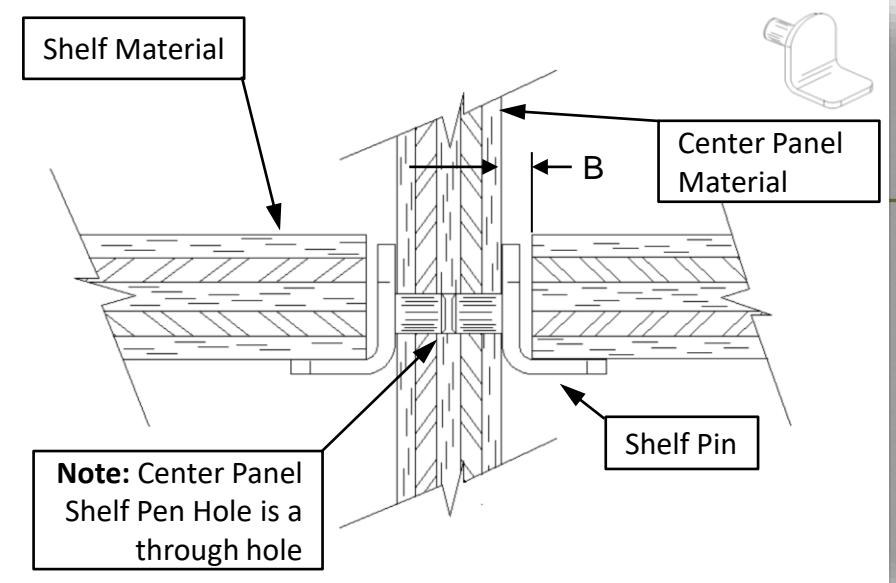
E Top to Back Section

F Bottom Rail Section

Base Cabinet Shelf Pin Details



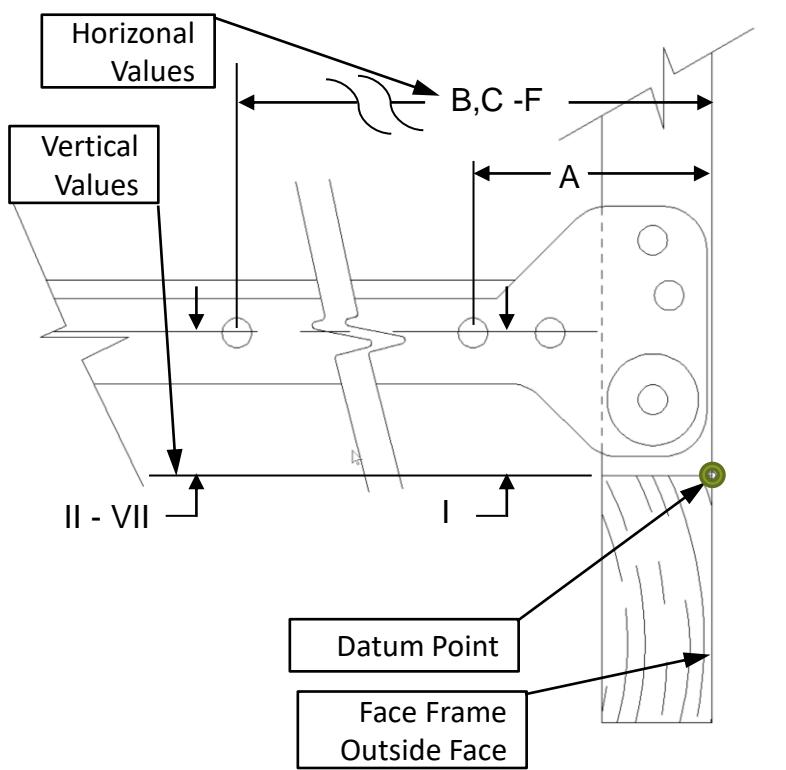
Side Panel Shelf Pin Section



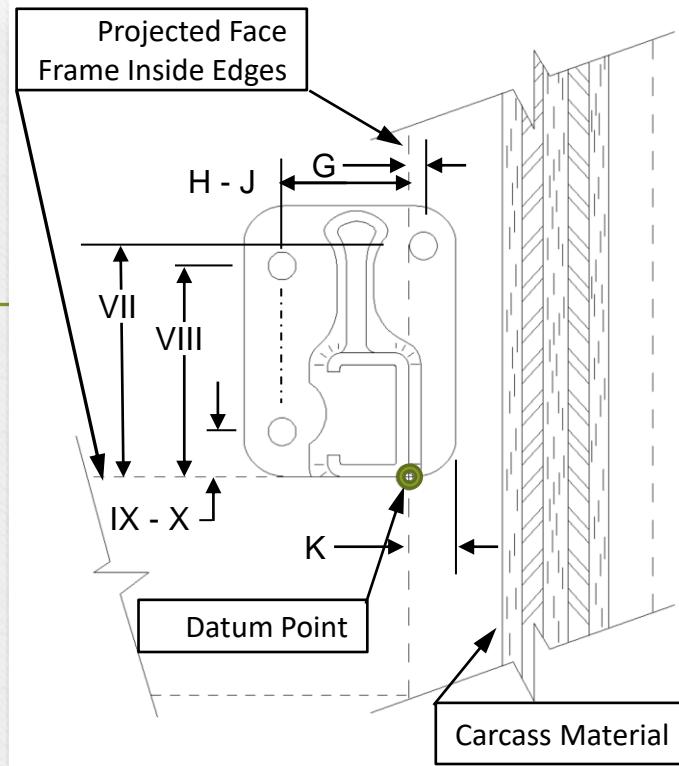
Center Panel Shelf Pin Section

Values
A – Shelf Pin Diameter
B – Shelf End Clearance
C – Shelf Pin Depth

Base Cabinet Shelf Pin Details



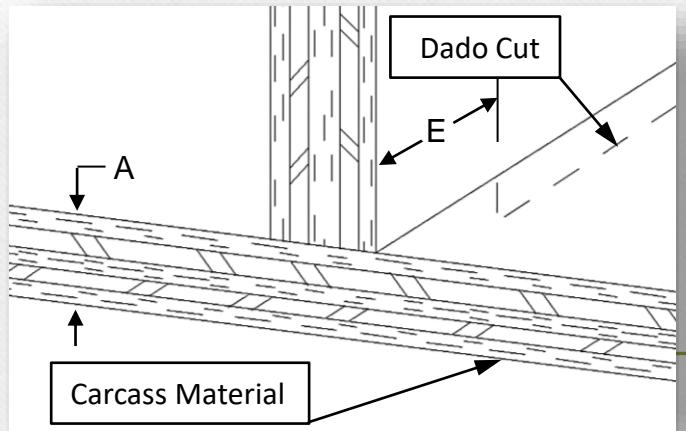
Drawer Slide Pilot Holes – Side View



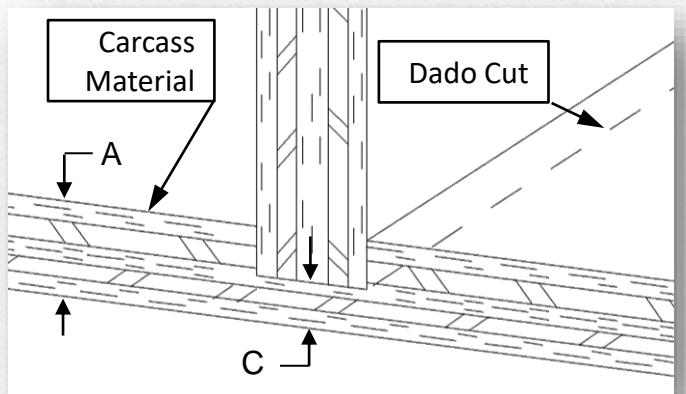
Rear Mount Pilot Holes – Front View

Values
A-F – Side Pilot Horiz Values
I-VII – Side Pilot Vert Values
G-H - Rear Mount Pilot Horiz Values
K – Rear Mount Side Clearance
VII-X – Rear Mount Pilot Vert Values

Base Dado Details



Half-Blind Dado

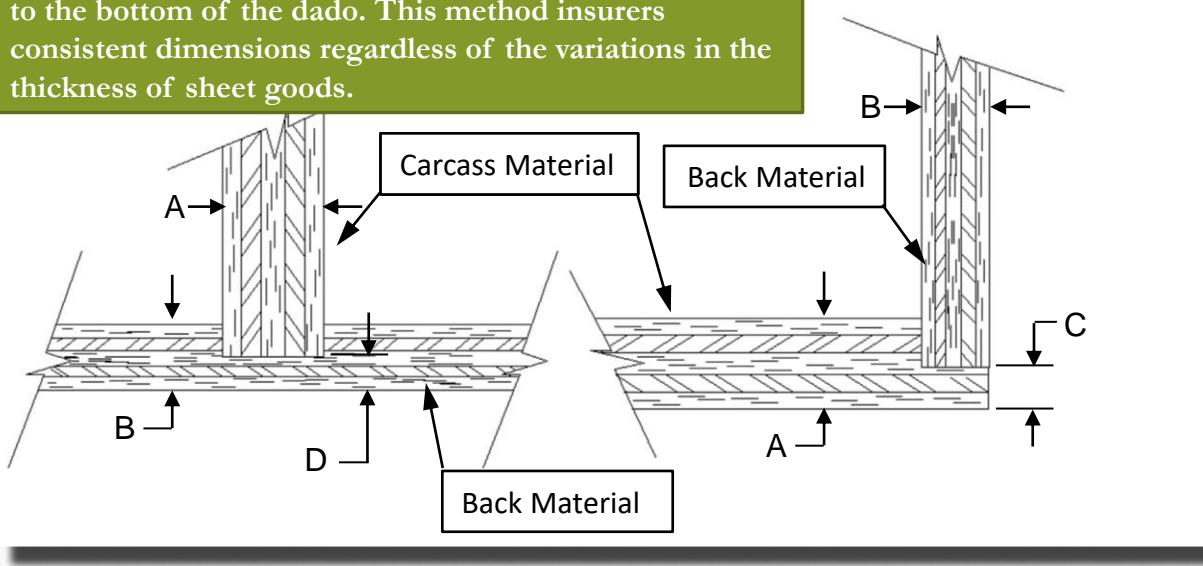


Through Dado

Values

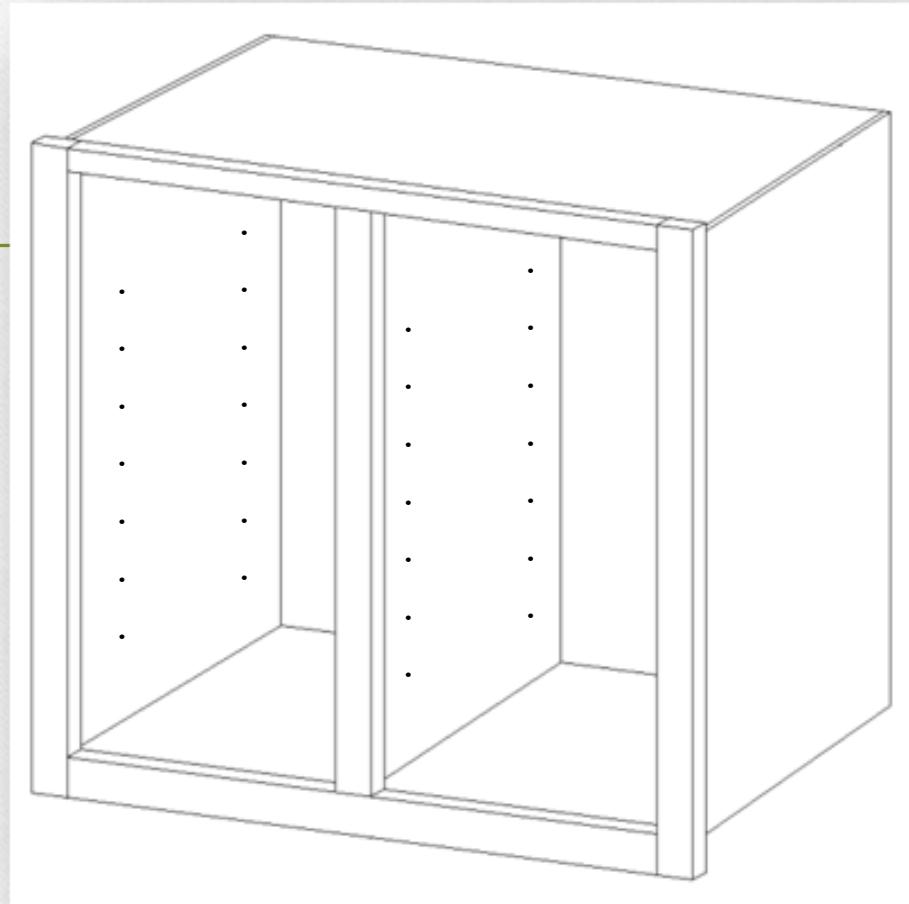
- A – Carcass Thickness
- B – Back Material Thickness
- C – Carcass Dado Height
- D – Back Dado Height
- E – Dado Blind Amount

Dado Height is measured from the back of the material to the bottom of the dado. This method insures consistent dimensions regardless of the variations in the thickness of sheet goods.

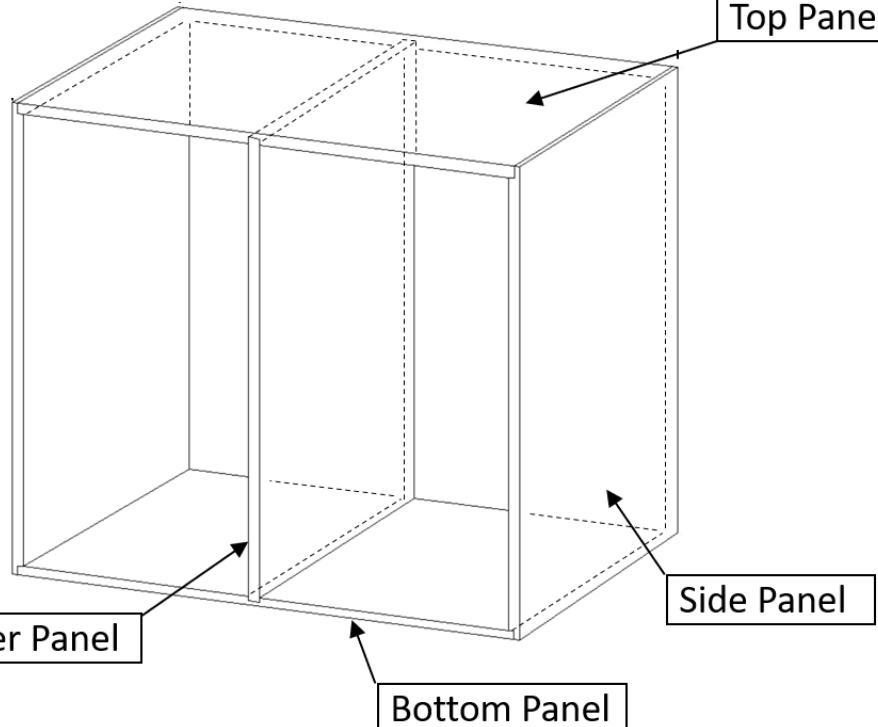


Carcass – Back Dado Height

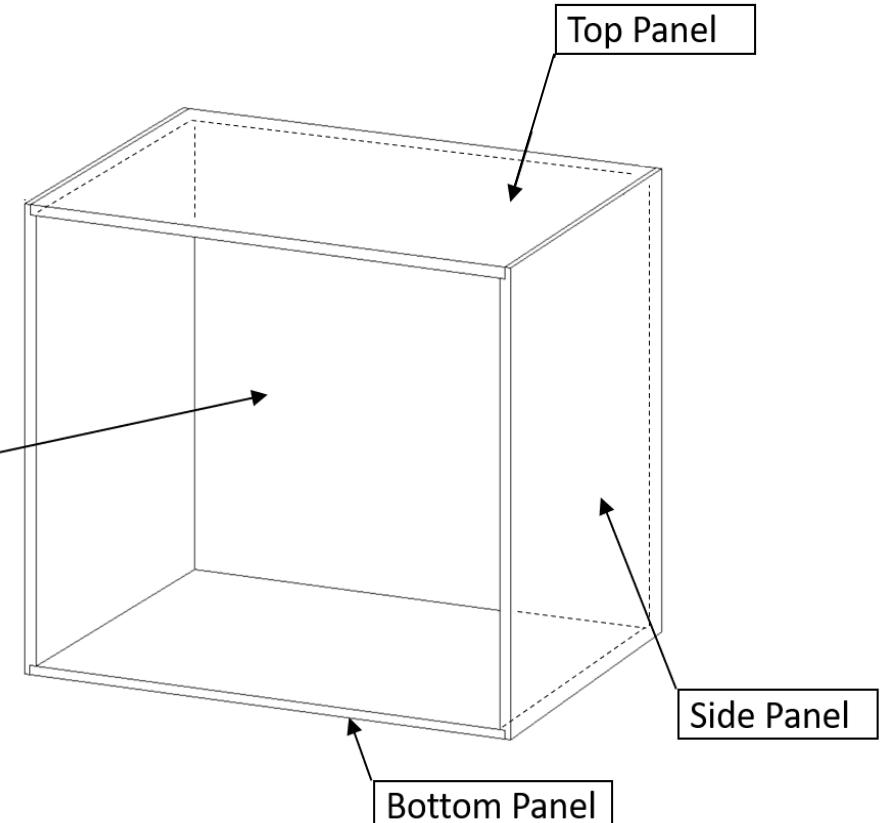
Wall Cabinet Sections and Details



Wall Cabinet Carcass with and without Center Panel



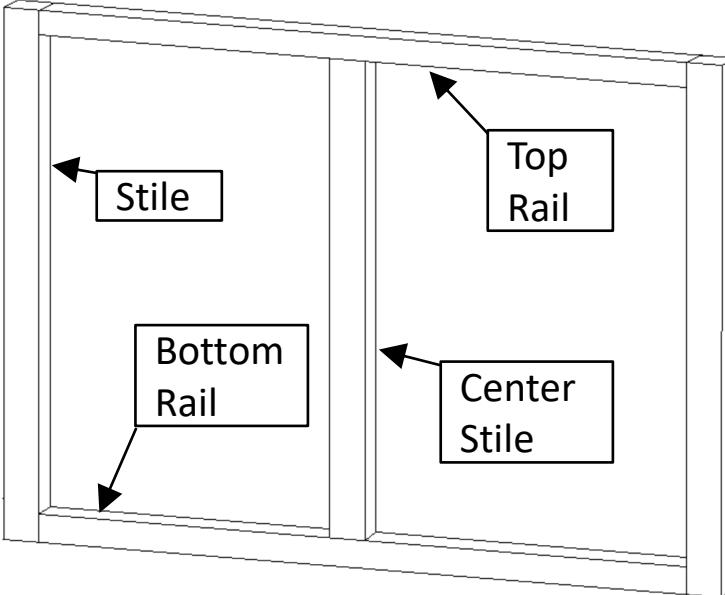
Wall Cabinet with Center Panel



Wall Cabinet without Center Panel

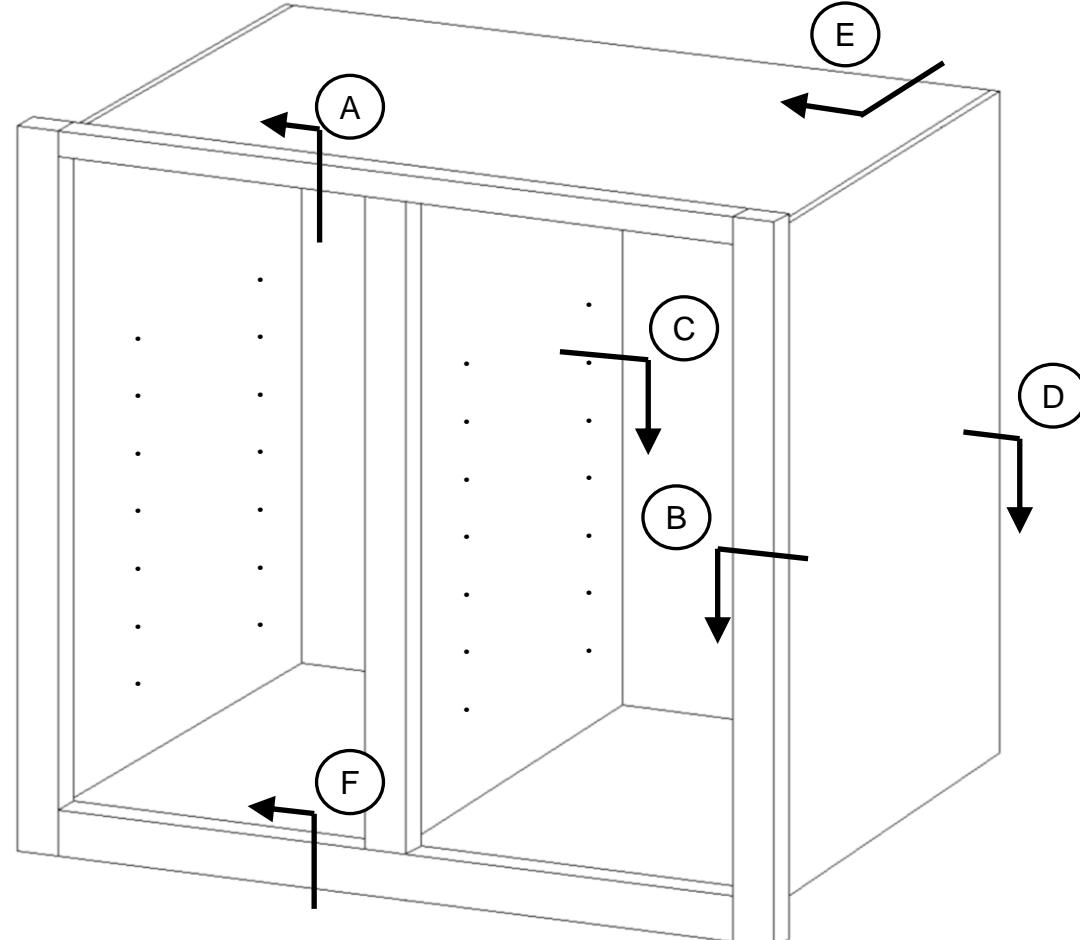
Note: The face frame is not shown

Wall Face Frame Part Names



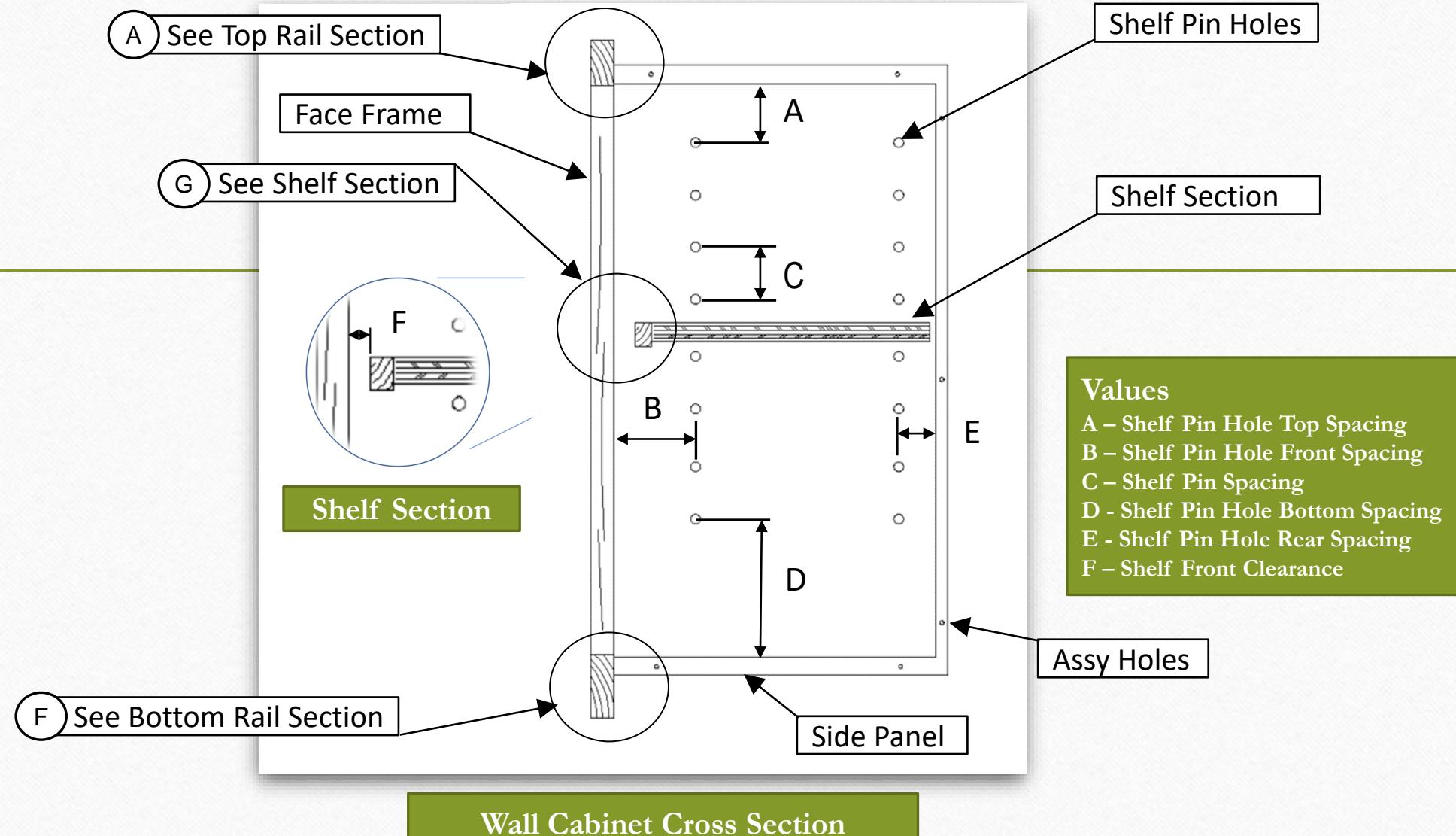
Wall Cabinet Face Frame

Wall Cabinet Sections

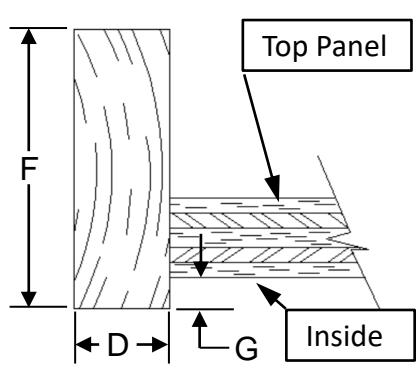


Wall Cabinet

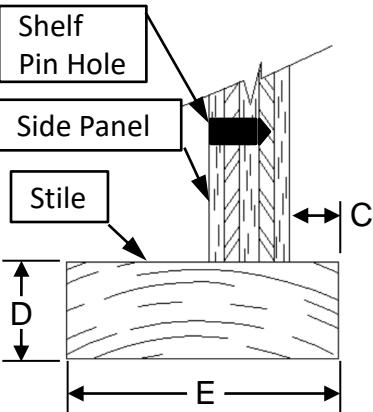
Wall Cabinet Side Cross Section Details



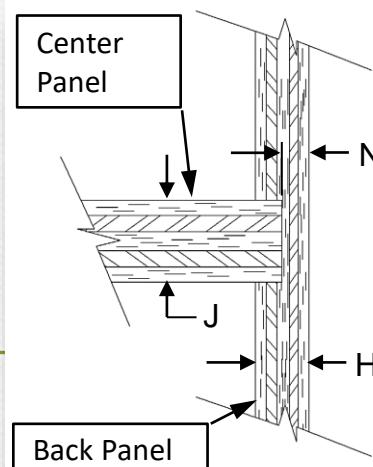
Wall Cabinet Part Details



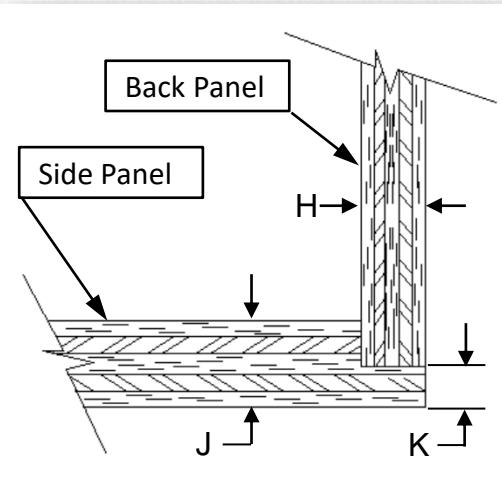
A Wall Top Rail Section



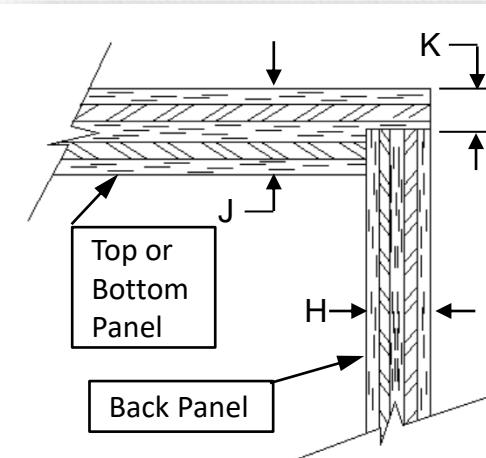
B Stile Section



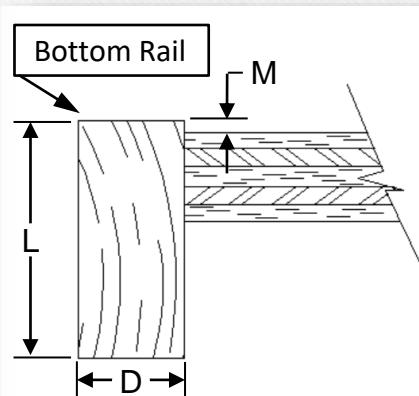
C Center to Back Section



D Side to Back Section

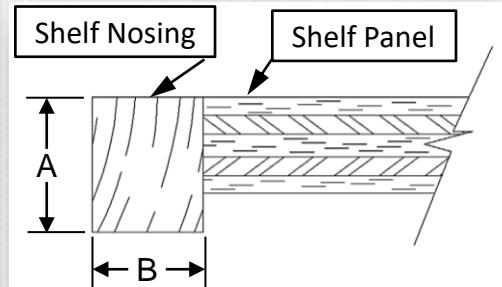


E Top-Bottom Back Section



F Bottom Rail Section

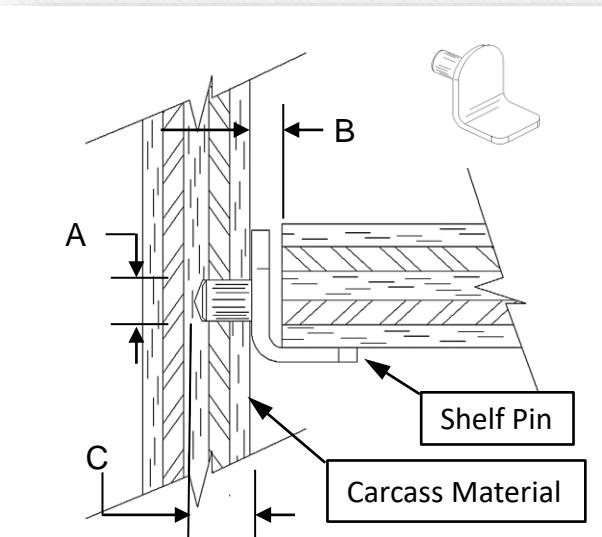
| Values |
|-----------------------------|
| A – Shelf Nosing Width |
| B – Shelf Nosing Thickness |
| C – Face Frame Side Reveal |
| D – Face Frame Thickness |
| E – Stile Width |
| F – Top Rail Width |
| G – Top Side Reveal |
| H – Back Material Thickness |
| J - Carcass Thickness |
| K – Carcass Dado Height |
| L – Bottom Rail Width |
| M – Bottom Rail Reveal |
| N – Back Dado Height |



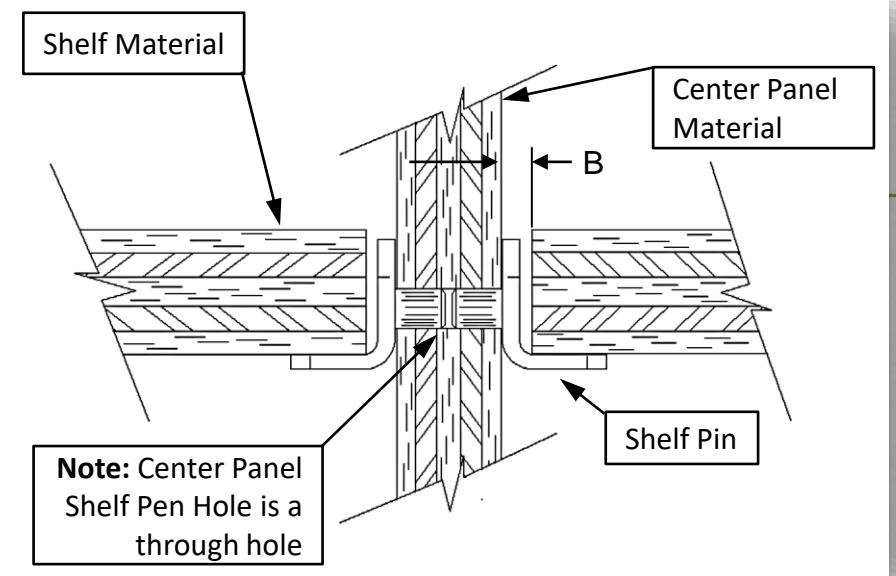
G Shelf Section

Wall Cabinet Shelf Pin Details

Values
A – Shelf Pin Diameter
B – Shelf End Clearance
C – Shelf Pin Depth

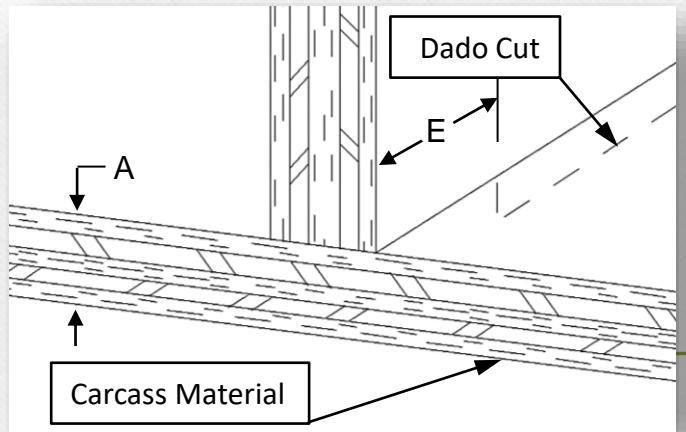


Side Panel Shelf Pin Section

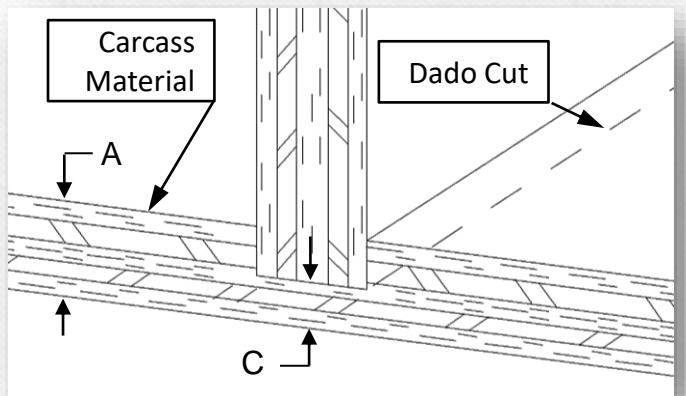


Center Panel Shelf Pin Section

Wall Dado Details



Half-Blind Dado

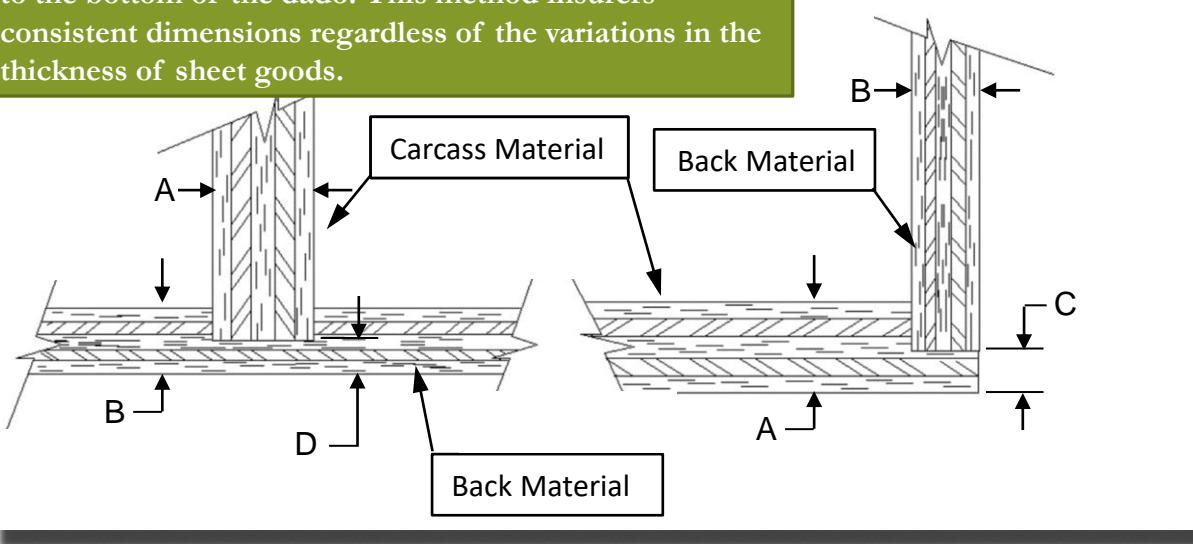


Through Dado

Values

- A – Carcass Thickness
- B – Back Material Thickness
- C – Carcass Dado Height
- D – Back Dado Height
- E – Dado Blind Amount

Dado Height is measured from the back of the material to the bottom of the dado. This method insures consistent dimensions regardless of the variations in the thickness of sheet goods.



Carcass – Back Dado Height

The End