

Easy Drawer Maker

Version 4.3

Main Screen

Easy Drawer Maker

Settings

Project Setup Layer Names Milling Defaults About

Drawer Design

Drawer Opening		Material Thickness		Drawer Clearance	
Height	6	Side	0.5	Sides	0.5
Width	16	Back	0.5	Tops	1.5
Depth	18	Front	0.5	Bottoms	0.5
Count	4	Bottom	0.25	Finger Count	9

Tool Selection

Cabinet Name: C1

Profile Bit:	End Mill (0.2500 inch) UpDown Compression	Tool	X
Dado Pocket Bit:	End Mill (0.2500 inch) Down	Tool	X
Dado Clearing Bit:	End Mill (0.5000 inch) Down	Tool	X
Finger Bit:	End Mill (0.1250 inch) Down	Tool	X
Finger Clearing Bit:	End Mill (0.2500 inch) Down	Tool	X
Blime Circle Bit:	End Mill (0.1250 inch) Down	Tool	X

OK Cancel

About Gadget

Drawer Opening Size

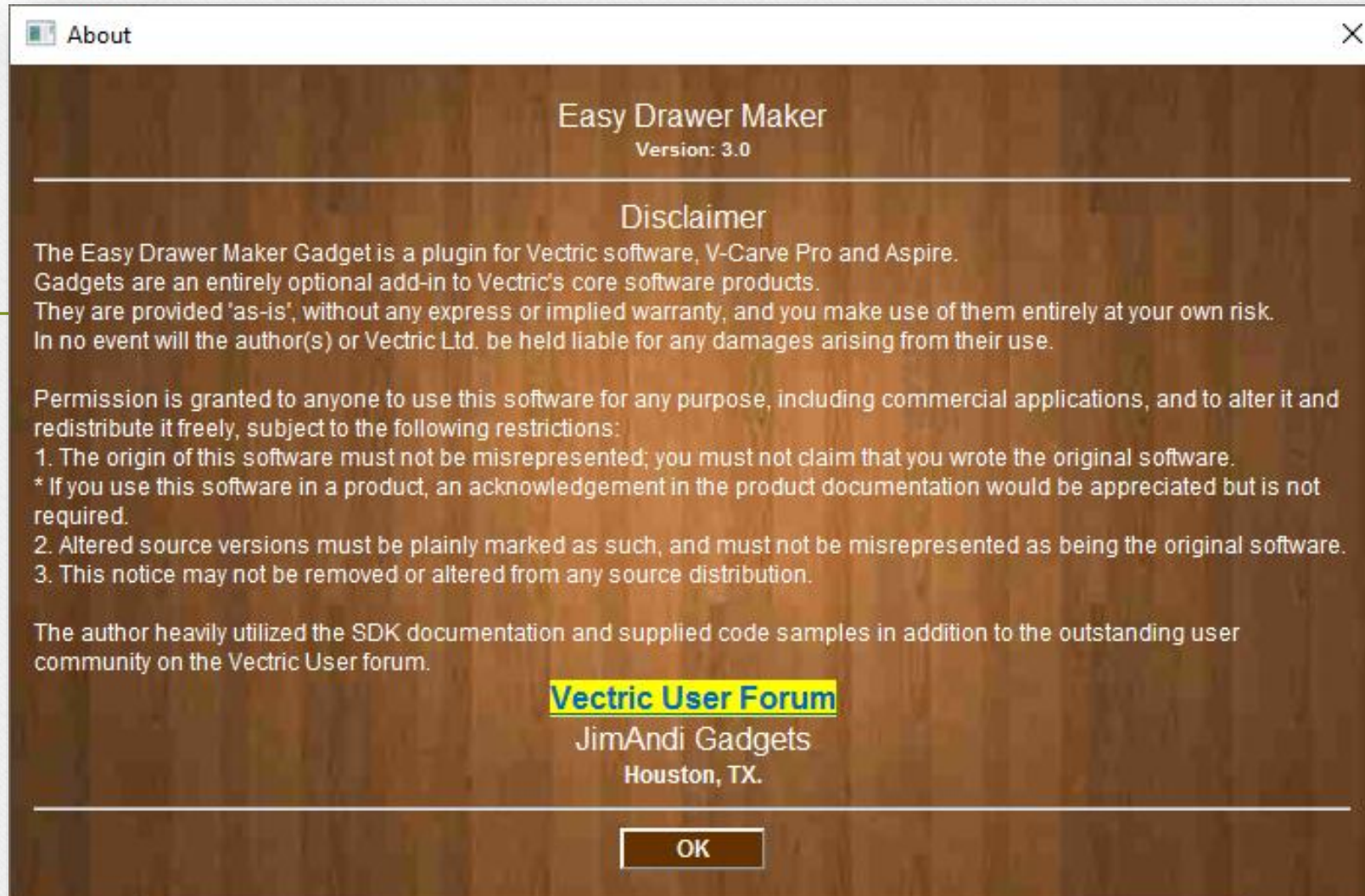
Default Settings

Milling Settings

Enter Cabinet Name (BOM)

Toolpaths will be added if you select tooling

About Screen



Project Setup Menu

Project Setup

Project Name: DRAWER PROJECTS

Contact Name: Default

Contact Email: Default@Email.com

Phone Number: (123)456-7890

Drawer ID: 202107281353

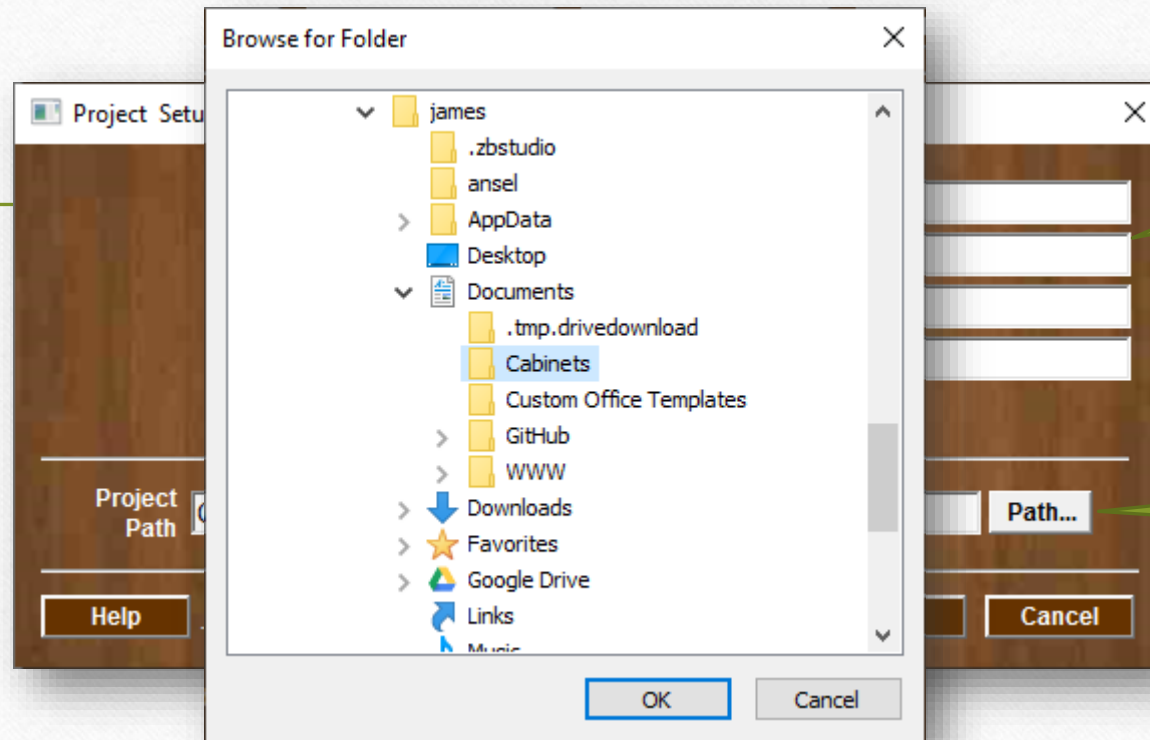
Project Path: C:\Users\james\Documents\Cabinets Path...

Help OK Cancel

Enter the Project
And
Contact Information

Project Path is
required. All
logs and BOM
will be written

Project Path Setup



Enter the Project
And
Contact Information

Project Path is
required. All
logs and BOM
will be written

Layer Setup

Layer Name for each milling operation

A screenshot of the 'Layer Setup' dialog box from the 'Easy Drawer Maker' software. The dialog has a title bar with a close button. It contains a table with three columns: 'Name', 'Layer Name', and 'Color'. There are 11 rows of settings. The 'Color' column uses dropdown menus with arrows. At the bottom right are 'OK' and 'Cancel' buttons.

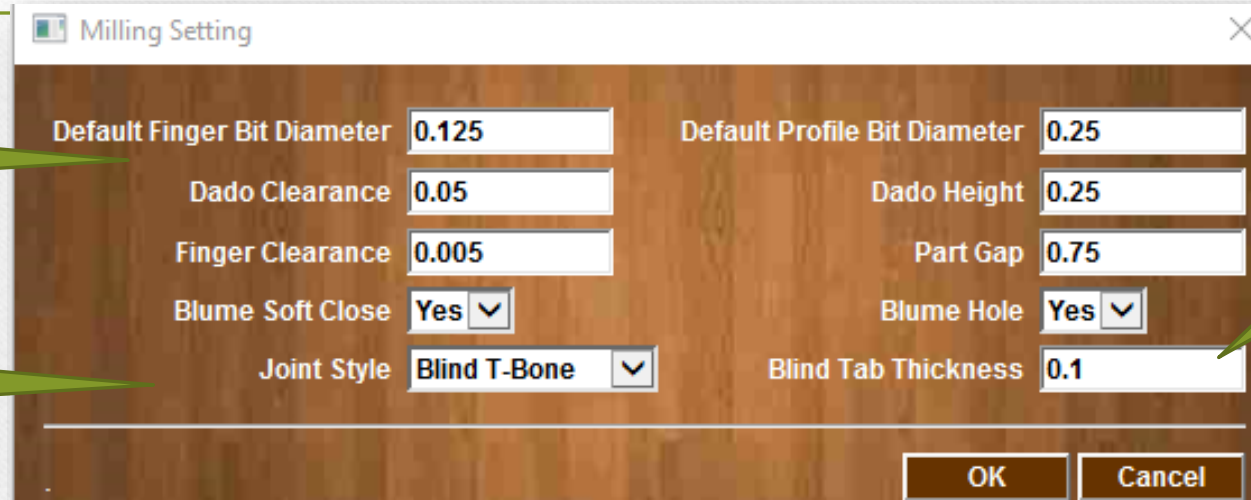
Name	Layer Name	Color
Blume Milling	BlumeMilling	Black
Bottom Panel Profile	Bottom Profile	Black
Side Panel Profile	Side Panel Profile	Green
Side Panel Pocket (Dado)	Side Panel Pocket	Blue
Side Panel Blind	Side Panel Blind	Blue
Front Panel Profile	Front Panel Profile	Red
Front Panel Pocket (Dado)	Front Panel Pocket	Green
Front Panel Blind	Front Panel Blind	Green
Back Panel Profile	BackPanelProfile	Black
Back Panel Pocket (Dado)	BackPocketProfile	Blue
Drawer Notes	Drawing Notes	Blue
Part Labels	LabelParts	Black

Layer Colors

Milling Settings Menu

Default values for
Milling

Joint Styles for
Finger shape



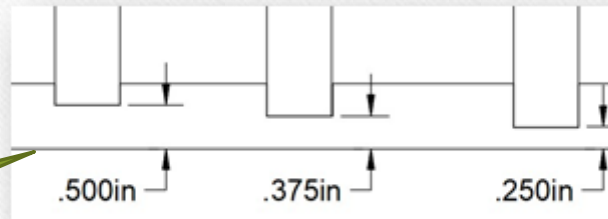
The screenshot shows the 'Milling Setting' dialog box with a wood-grain background. It contains two columns of settings. The left column includes 'Default Finger Bit Diameter' (0.125), 'Dado Clearance' (0.05), 'Finger Clearance' (0.005), 'Blume Soft Close' (Yes), and 'Joint Style' (Blind T-Bone). The right column includes 'Default Profile Bit Diameter' (0.25), 'Dado Height' (0.25), 'Part Gap' (0.75), 'Blume Hole' (Yes), and 'Blind Tab Thickness' (0.1). At the bottom are 'OK' and 'Cancel' buttons. Callouts point to the 'Default values for Milling' (pointing to the first two rows), 'Joint Styles for Finger shape' (pointing to the 'Joint Style' dropdown), and 'Material Amount to Cover the Outside Joinery' (pointing to the 'Blind Tab Thickness' field).

Setting	Value
Default Finger Bit Diameter	0.125
Dado Clearance	0.05
Finger Clearance	0.005
Blume Soft Close	Yes
Joint Style	Blind T-Bone
Default Profile Bit Diameter	0.25
Dado Height	0.25
Part Gap	0.75
Blume Hole	Yes
Blind Tab Thickness	0.1

Material Amount
to Cover the
Outside Joinery

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/Bottom



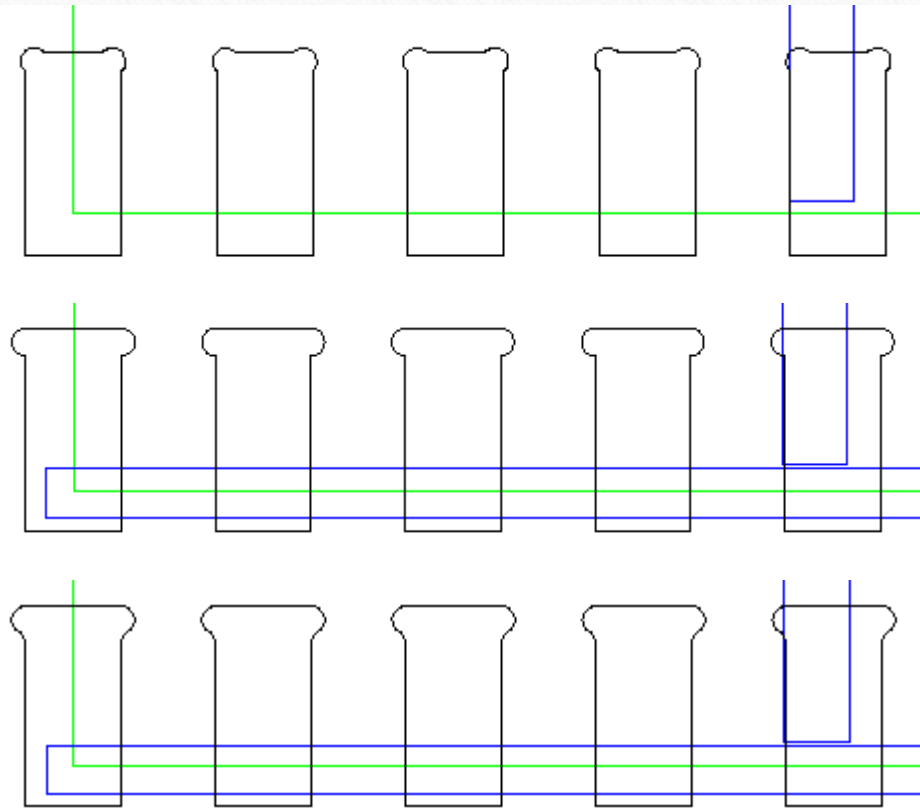
Dado Height Value

Finger Shapes

Dog Bone Joint
Blind Dog Bone

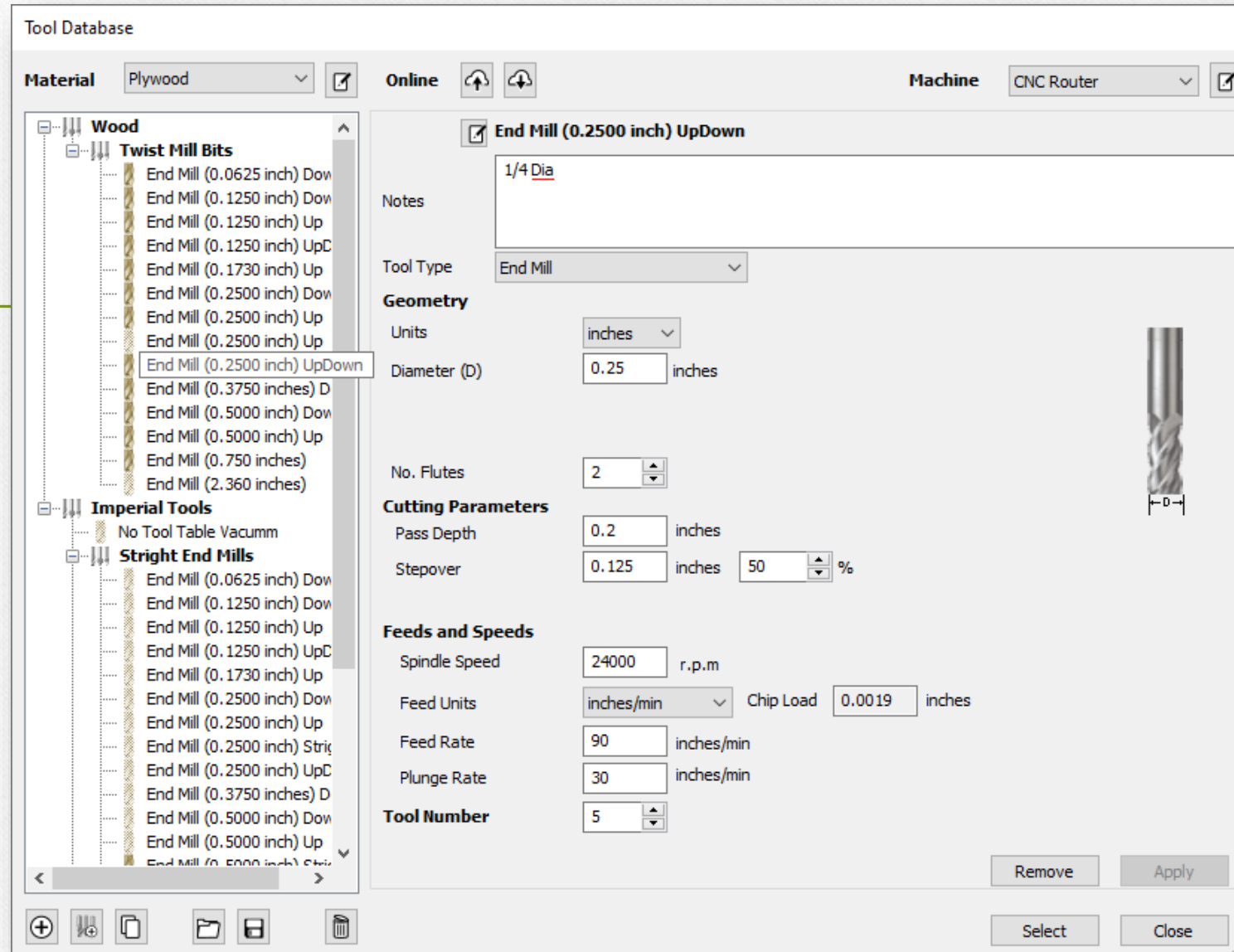
T-Bone Joint
Blind Dog-Bone

Sniglet Joint
Blind Sniglet Joint



Blind Joints have
a Tab that covers
over the outside
Jointery

Tool Selection for Part Profile



Wall Cabinet Layout

Easy Drawer Maker

Settings

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Dado Clearing Bit:	End Mill (0.5000 inch) Down	Tool	X
Finger Bit:	End Mill (0.1250 inch) Down	Tool	X
Finger Clearing Bit:	End Mill (0.2500 inch) Down	Tool	X
Blime Circle Bit:	End Mill (0.1250 inch) Down	Tool	X

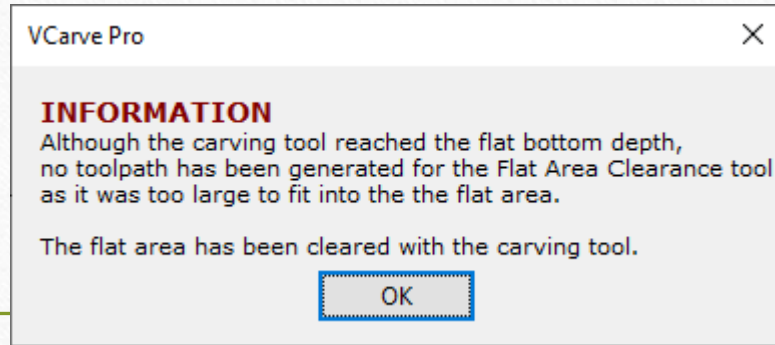
OK Cancel

Drawing (4)
Drawers

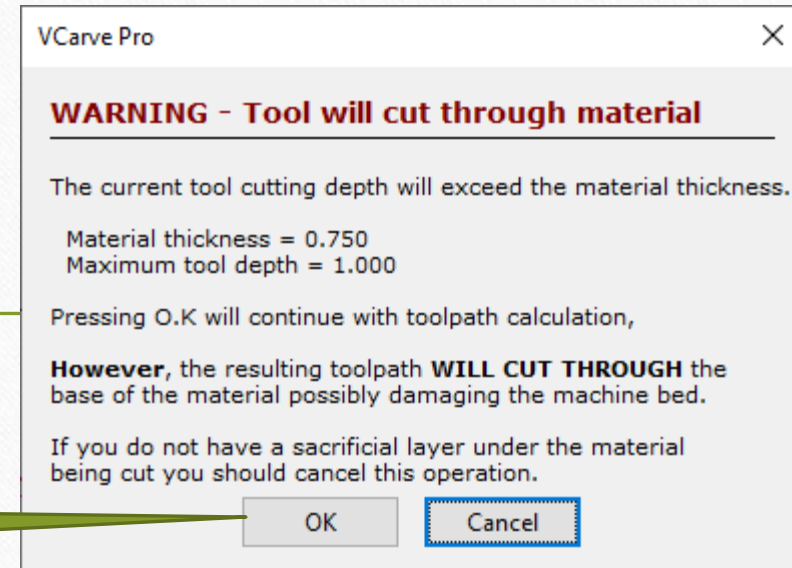
Toolpaths will
be added

Select OK to
build Drawers

Alerts and Warnings



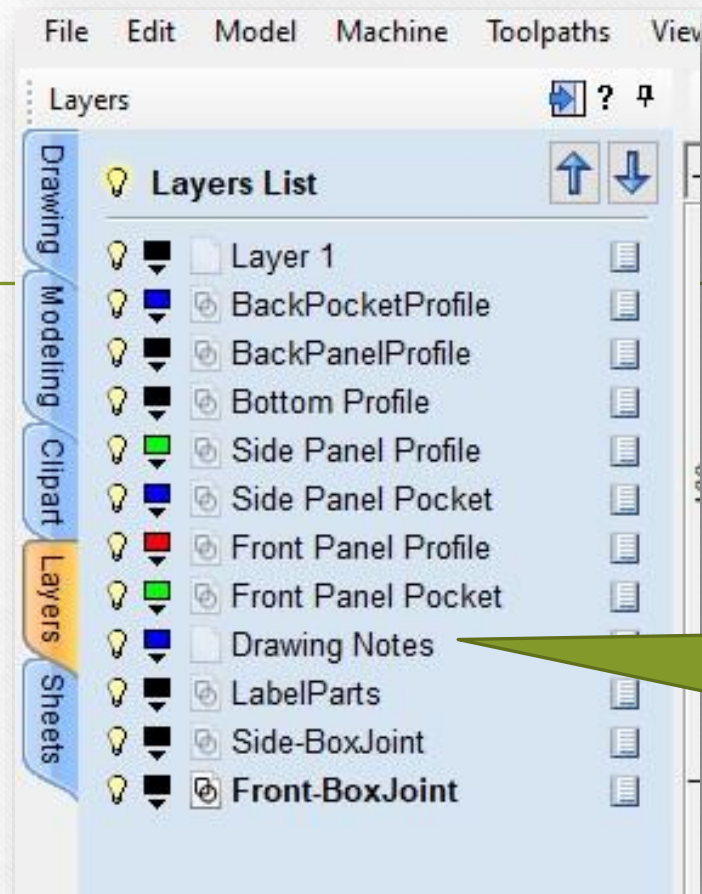
Press OK and let the gadget complete



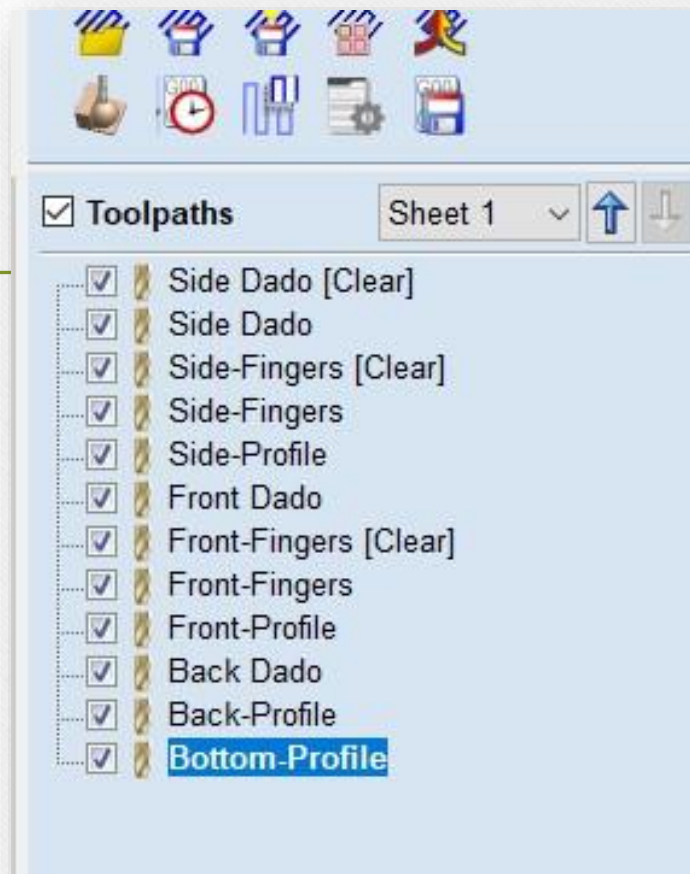
Note: Alert and Warning Windows “may” be displayed. This is due to issues with automation of toolpath creation. This Gadget cannot foresee all issues with milling (Depth of Cut, Clearing values, and/or Bit selection issues).

The user must validate all aspects of the milling operation.

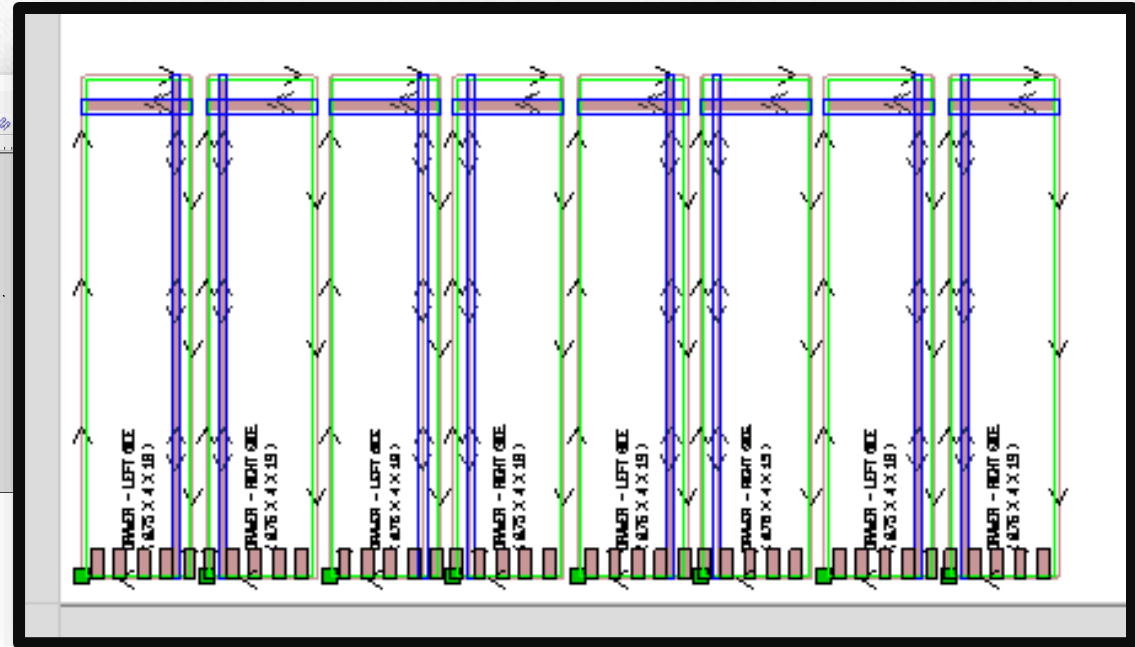
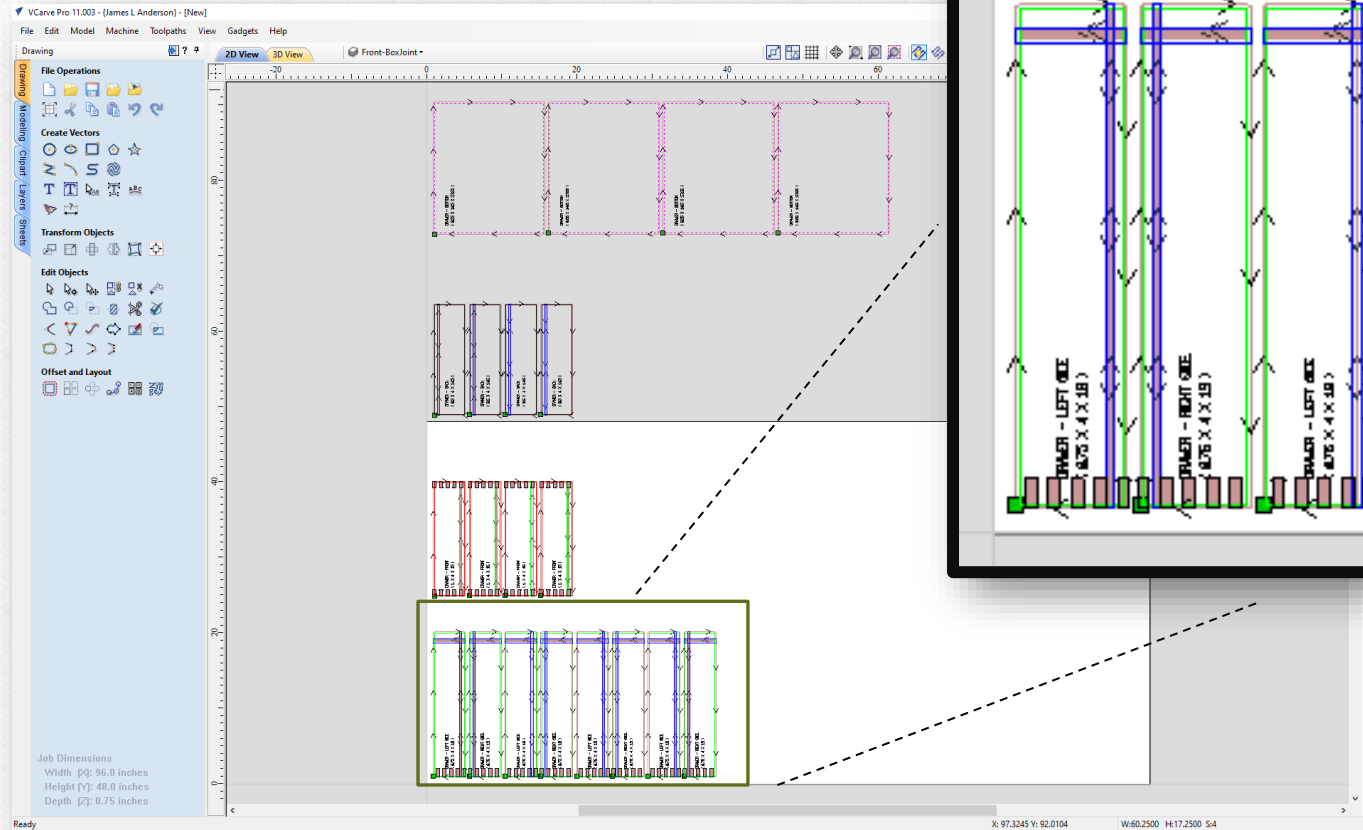
Layers and Toolpaths



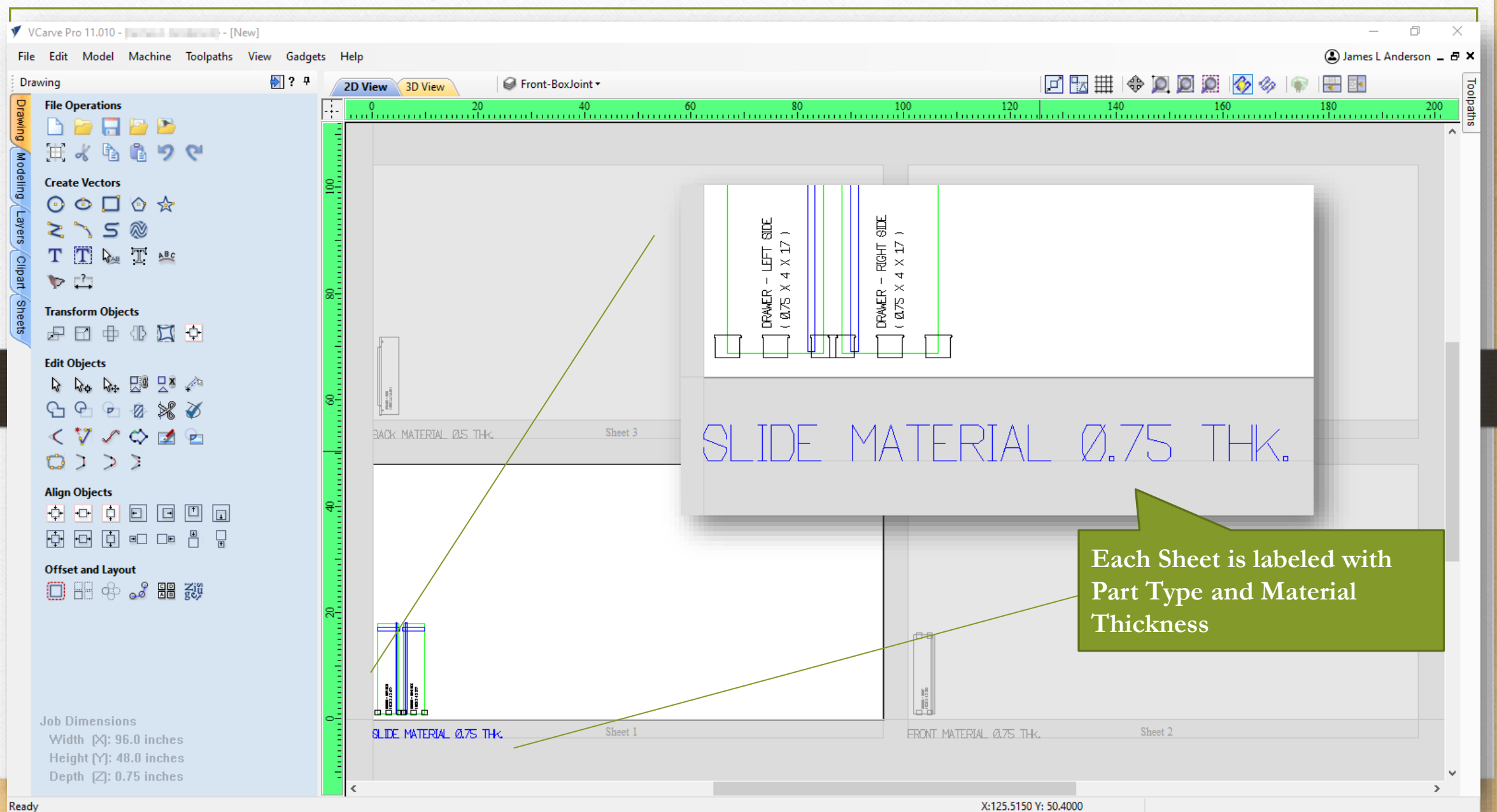
Due to API issues
with Version 11.0
the Drawing notes
are not used.
Works with earlier
Versions



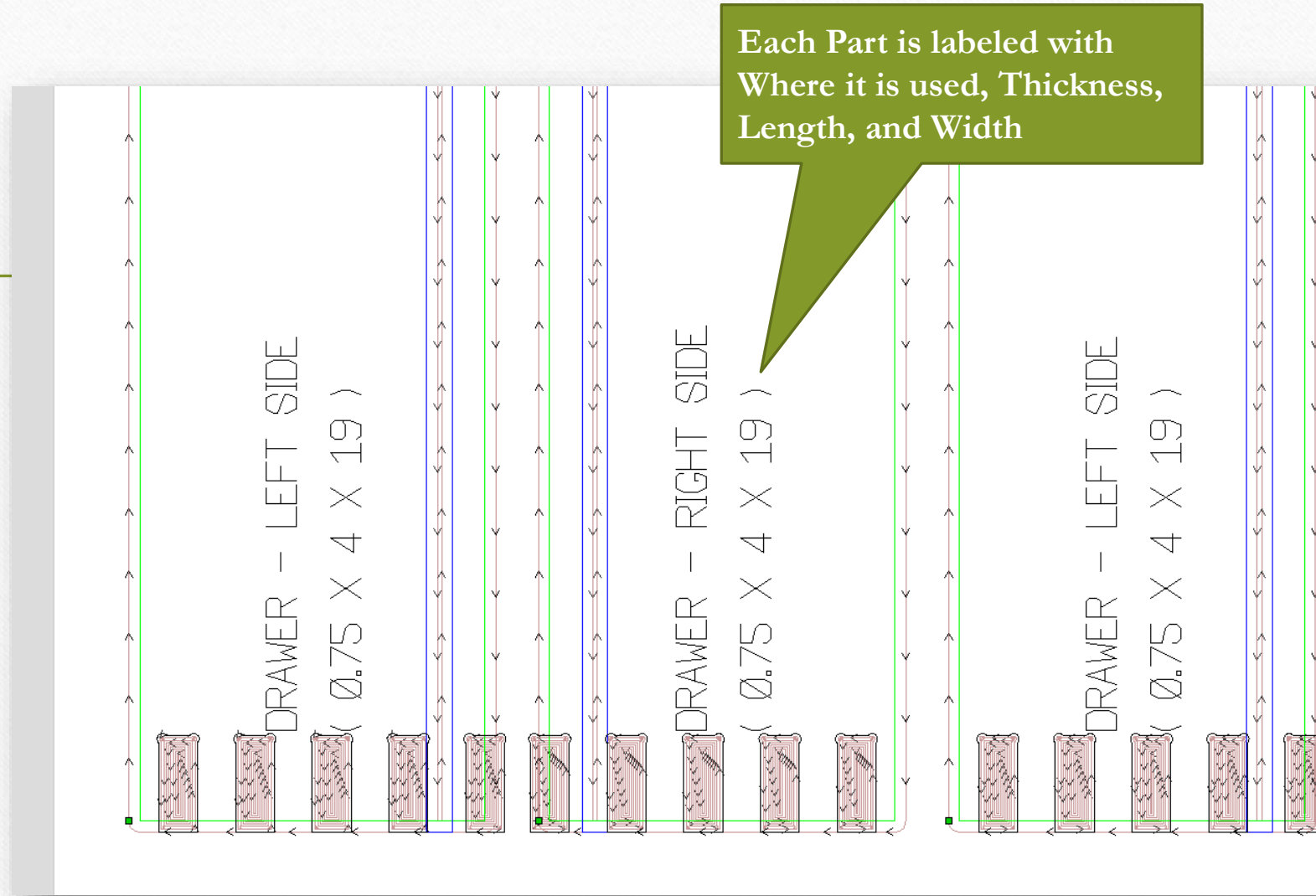
Vectric 11 Drawing Layout



Vectric 11 Drawing Sheet Layouts



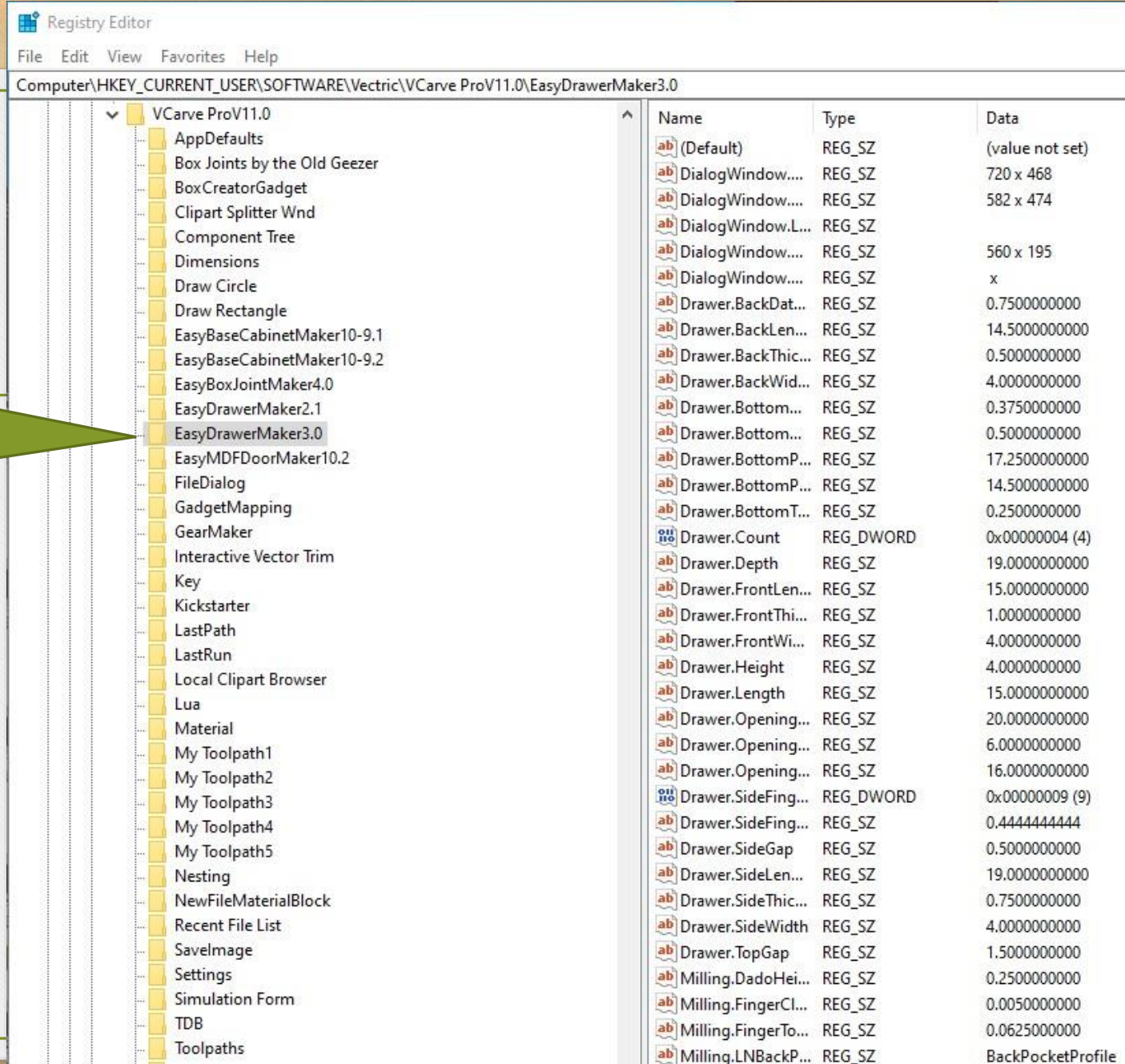
Part Notation



Registry Data

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

Easy Drawer Maker



Registry Editor

File Edit View Favorites Help

Computer\HKEY_CURRENT_USER\SOFTWARE\Vetric\VCave ProV11.0\EasyDrawerMaker3.0

Name	Type	Data
(Default)	REG_SZ	(value not set)
DialogWindow....	REG_SZ	720 x 468
DialogWindow....	REG_SZ	582 x 474
DialogWindow.L...	REG_SZ	
DialogWindow....	REG_SZ	560 x 195
DialogWindow....	REG_SZ	x
Drawer.BackDat...	REG_SZ	0.7500000000
Drawer.BackLen...	REG_SZ	14.5000000000
Drawer.BackThic...	REG_SZ	0.5000000000
Drawer.BackWid...	REG_SZ	4.0000000000
Drawer.Bottom...	REG_SZ	0.3750000000
Drawer.Bottom...	REG_SZ	0.5000000000
Drawer.BottomP...	REG_SZ	17.2500000000
Drawer.BottomP...	REG_SZ	14.5000000000
Drawer.BottomT...	REG_SZ	0.2500000000
Drawer.Count	REG_DWORD	0x00000004 (4)
Drawer.Depth	REG_SZ	19.0000000000
Drawer.FrontLen...	REG_SZ	15.0000000000
Drawer.FrontThi...	REG_SZ	1.0000000000
Drawer.FrontWi...	REG_SZ	4.0000000000
Drawer.Height	REG_SZ	4.0000000000
Drawer.Length	REG_SZ	15.0000000000
Drawer.Opening...	REG_SZ	20.0000000000
Drawer.Opening...	REG_SZ	6.0000000000
Drawer.Opening...	REG_SZ	16.0000000000
Drawer.SideFing...	REG_DWORD	0x00000009 (9)
Drawer.SideFing...	REG_SZ	0.4444444444
Drawer.SideGap	REG_SZ	0.5000000000
Drawer.SideLen...	REG_SZ	19.0000000000
Drawer.SideThic...	REG_SZ	0.7500000000
Drawer.SideWidth	REG_SZ	4.0000000000
Drawer.TopGap	REG_SZ	1.5000000000
Milling.DadoHei...	REG_SZ	0.2500000000
Milling.FingerCl...	REG_SZ	0.0050000000
Milling.FingerTo...	REG_SZ	0.0625000000
Milling.LNBackP...	REG_SZ	BackPocketProfile

Bill of Material File Formats

CSV is Excel Ready Format

DAT is Notepad Ready Format

HTML is Web Browser Ready Format

Name	Date modified	Type	Size
C1-202203081356.csv	3/8/2022 1:56 PM	Microsoft Excel C...	1 KB
C1-202203081356.dat	3/8/2022 1:56 PM	DAT File	2 KB
C1-202203081356.html	3/8/2022 1:56 PM	Chrome HTML Do...	5 KB

HTML Bill of Material

Drawer Cut-list

Run ID = 202203081356

Drawer Run Count = 1

Drawer Opening Size

Drawer Opening Height = 6

Drawer Opening Width = 16

Drawer Opening Depth = 18

Drawer Opening Diagonal = 17.088007490635

Side Gap = 0.5

Bottom Gap = 0.5

Top Gap = 1.5

Door Dimensions

Finish Depth = 1.5

Finish Height = 4

Finish Width = 15

Door Parts

ID	Name	Count	Thick	Material	Width	Length
A	Left Side	1	0.75	Plywood	4	17
A	Right Side	1	0.75	Plywood	4	17
B	Front	1	0.75	Plywood	4	15
C	Back	1	0.5	Plywood	4	14.5
D	Bottom	1	0.25	Plywood	14.5	15.5

EOF

HTML Format
(Web Browser Ready)

Edit CSV file in Excel or Text editor

```
1 =====
2 ===== Drawer Cut-list =====
3 Run ID = 202203081452
4 Drawer Run Count = 1
5 =====
6 Drawer Opening Size
7 Drawer Opening Height = 6
8 Drawer Opening Width = 16
9 Drawer Opening Depth = 18
10 Drawer Opening Diagonal = 17.088007490635
11 Side Gap ..... = 0.5
12 Bottom Gap ..... = 0.5
13 Top Gap ..... = 1.5
14 -----
15 Finish Depth ..... = 17
16 Finish Height ..... = 4
17 Finish Width ..... = 15
18 -----
19 ID | Name | Count | Thick | Material | Width | Length
20 -----
21 A | Left Side | 1 | 0.75 | Plywood | 4 | 17
22 A | Right Side | 1 | 0.75 | Plywood | 4 | 17
23 B | Front | 1 | 0.75 | Plywood | 4 | 15
24 C | Back | 1 | 0.5 | Plywood | 4 | 14.5
25 D | Bottom | 1 | 0.25 | Plywood | 14.5 | 15.5
26 -----
27
```

DAT Format (Notepad Ready)

```
1 ID,Name,Count,Thick,Material,Width,Length
2 A,Left Side,1,0.75,Plywood,4,17
3 A,Right Side,1,0.75,Plywood,4,17
4 B,Front,1,0.75,Plywood,4,15
5 C,Back,1,0.5,Plywood,4,14.5
6 D,Bottom,1,0.25,Plywood,14.5,15.5
7
8
```

CSV Format (Excel Ready)

The End