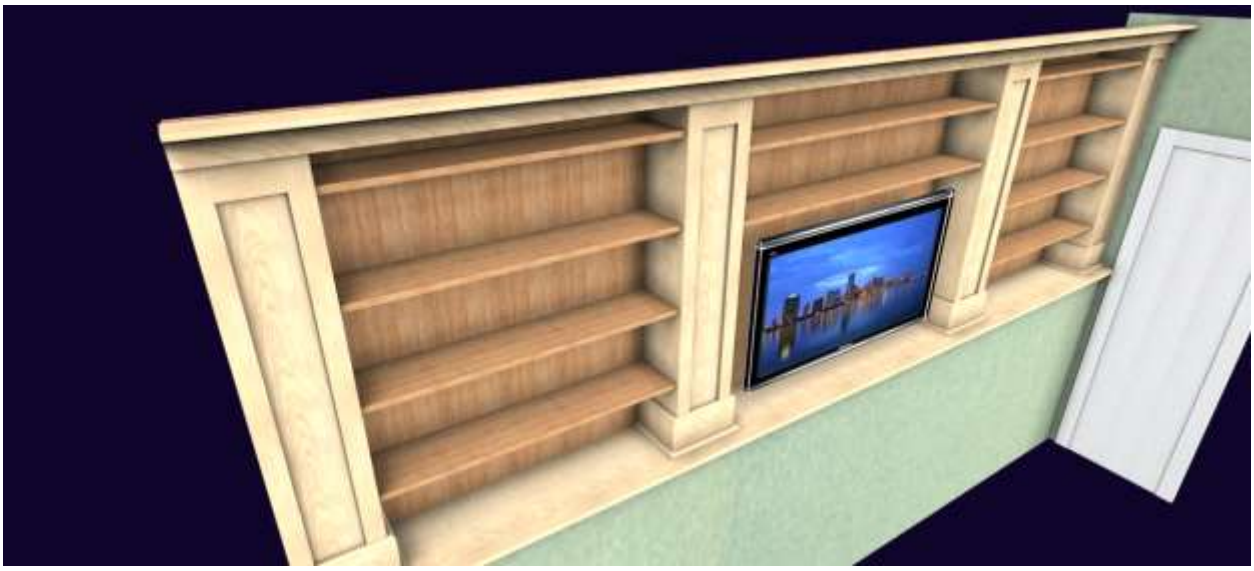
SketchList 3D Family Wall Unit Proposal Input Materials

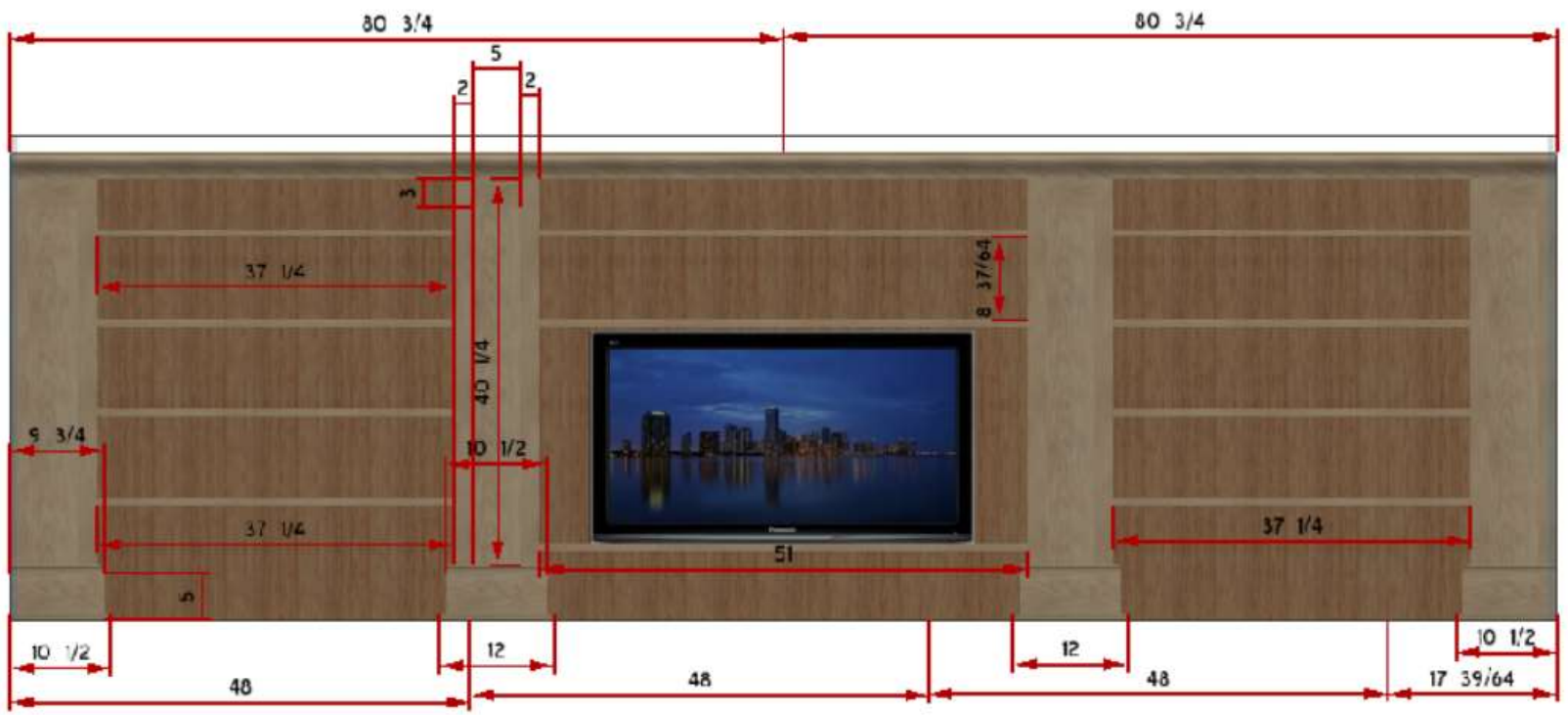
This unit is 161 ½ inches wide and 50 inches tall. It will be installed on a 46 inch shelf in the family room. There are four columns. The two outside columns meet flush with the surrounding walls. The two middle columns have molding wrapped on three sides at the bottom. The shelves will sit on shelf pegs mounted in ¼ inch holes on the columns. The spacing of the holes is yet to be specified.



This image above shows the wall below and to the right of the shelf unit.

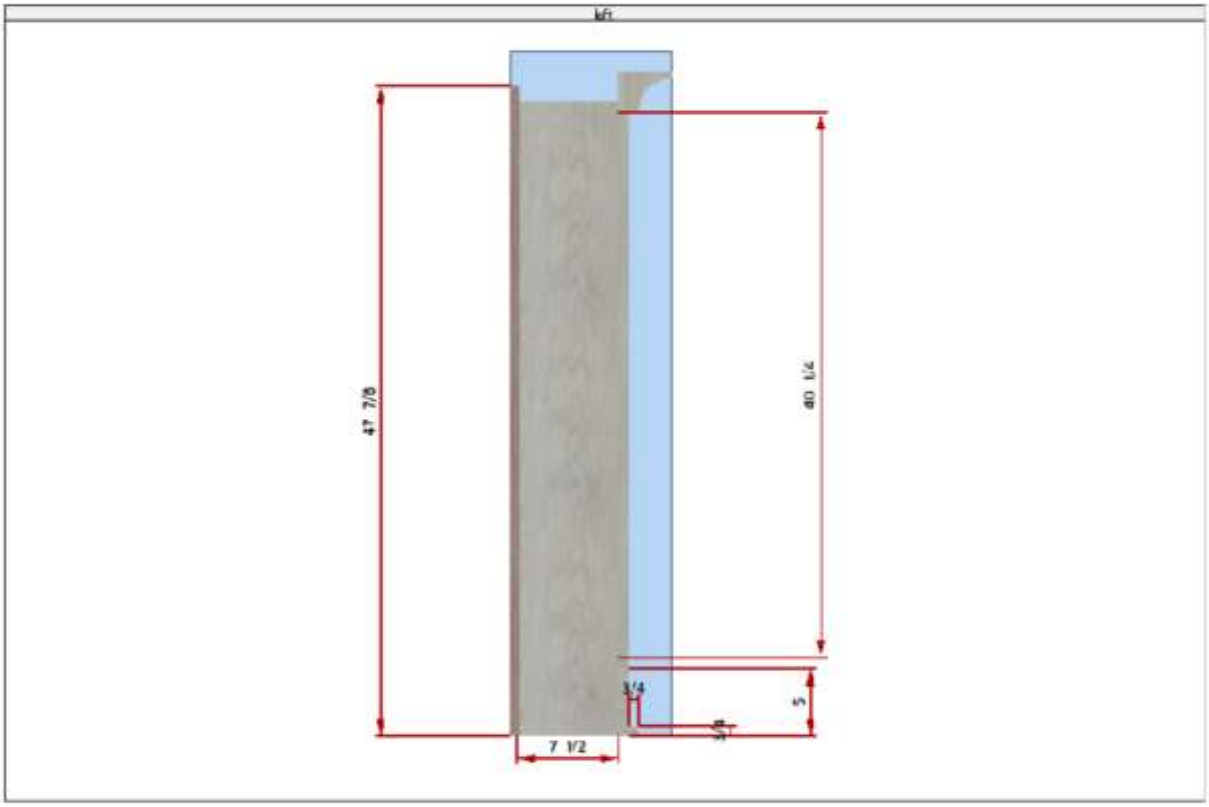
Customer: demo | Date: Friday, December 18, 2015 | Assembly: Assembly10

Front



Views: Front | Name: N/A | Page: 1

Customer: demo | Date: Friday, December 18, 2015 | Assembly: Assembly10



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	1	2	3	4	5	6	7	8	9
1	A..	S..	Part Name	Cut Thickness	Cut Width	Cut Length	Material Type	Material Name	Edge 1
5	A..		col left side	3/4	7 1/2	46	Sheet Goods	Beech	
6	A..		col right side	3/4	7 1/2	46	Sheet Goods	Beech	
7	A..		col front	3/4	46	7 1/2	Sheet Goods	Beech	
8	A..		col right	3/4	7 1/2	46	Sheet Goods	Beech	
9	A..		col left	3/4	7 1/2	46	Sheet Goods	Beech	
10	A..		col front_1	3/4	46	7 1/2	Sheet Goods	Beech	
11	A..		col left side_1	3/4	7 1/2	46	Sheet Goods	Beech	
12	A..		Board0_1_1	3/4	7 1/2	46	Sheet Goods	Beech	
13	A..		col front_2	3/4	46	7 1/2	Sheet Goods	Beech	
14	A..		col left side_2	3/4	7 1/2	46	Sheet Goods	Beech	
15	A..		col right side_1	3/4	7 1/2	46	Sheet Goods	Beech	
16	A..		col front_3	3/4	46	7 1/2	Sheet Goods	Beech	
19	A..		top left	3/4	8	96	Sheet Goods	Beech	
20	A..		top right	3/4	8	65 1/2	Sheet Goods	Beech	
21	A..		backsheet left center	3/4	47 7/8	40	Sheet Goods	Oak 2	
22	A..		backsheet left	3/4	47 7/8	48	Sheet Goods	Oak 2	
23	A..		backsheet right center	3/4	47 7/8	48	Sheet Goods	Oak 2	
24	A..		backsheet right	3/4	47 7/8	17 39/64	Sheet Goods	Oak 2	
25	A..		shelf	3/4	7 1/4	37 1/4	Solid Lumber	Beech	
26	A..		shelf 3_1 1 1	3/4	7 1/4	51	Solid Lumber	Beech	
27	A..		col bottom front	3/4	5	10 1/2	Solid Lumber	Beech	
28	A..		col bottom left	3/4	7 1/2	5	Solid Lumber	Beech	
29	A..		col bottom right	3/4	7 1/2	5	Solid Lumber	Beech	
30	A..		col bottom molding	3/4	3/4	10 1/2	Solid Lumber	Beech	Round Over_0.75_0.25_0.5_0_0

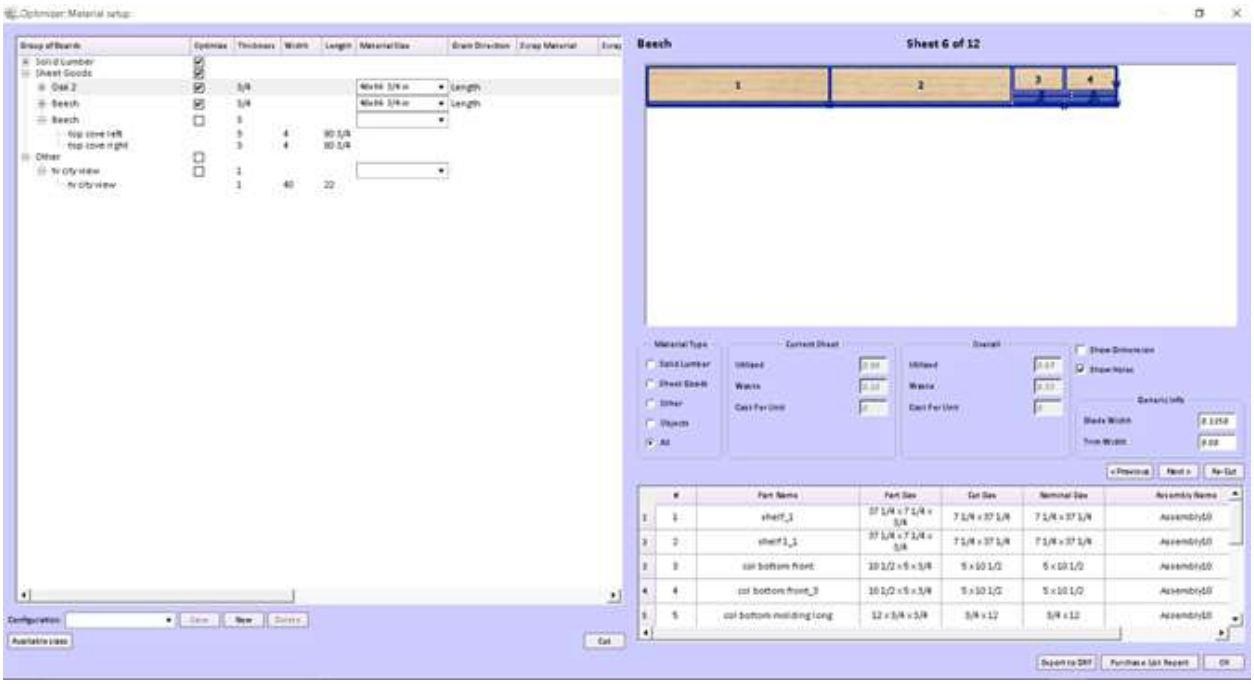
The parts list shows all parts, their sizes and material types. In addition any milling applied to a part in the design is called out on this report. The report is totally flexible and can be filtered and sorted in many ways.

File Actions

	1	2	3	4	5	6	7	8	9
1	Material type	Material name	Thickness	Width	Length	Cost per unit	Total units	Units	Total cost per unit
2	Solid Lumber	Beech	3/4	8	96	21	7	Sheets	147
3	Sheet Goods	Beech	3/4	48	96	100	2	Sheets	200
4	Sheet Goods	Oak 2	3/4	40	96	90	2	Sheets	180
5	Solid Lumber	grid	3/4	48	96	55	1	Sheets	55

After all the parts are laid out in optimal fashion, if you have entered costs for materials, you will have material costs for the job.

The optimizer also outputs DWF files for importing to CNC / CAM software.



This design took a few hours to complete. Many mistakes in the concept were uncovered in the design stage and were fixed. The design transformed several different times. As part of that process different materials were examined as options. Several proportions and part sizes were examined to check which worked best for the space.

The set of drawings, layouts, and parts lists were emailed to the carpenter for work to begin.