

Hayden Riggs

Production Designer

Services:

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Mozaik Design

Production Optimization

Production Drawings

Cutlists

CNC Documentation

Design Review

Overflow Design Support

Portfolio samples

3D renderings, Plans, and Elevations

— — —

I generate professional drawings to present to your clients which help them visualize the outcome of their designs and allow them to make any desired changes or additions. Thorough notations for all unanswered questions help to make sure every detail is confirmed before production.

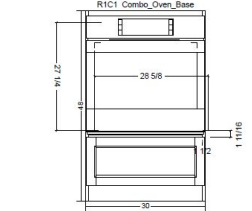


CABINETS TO BE 105" TALL
4" FLAT CROWN WILL BE PROVIDED TO BE SCRIBED DOWN TO 3"
(108" TALL OVERALL) UNLESS OTHERWISE NOTED
WALLS REMOVED FOR FULL VIEW

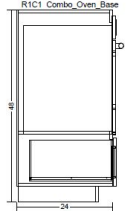
Custom Kitchen 3D rendering

Assembly Sheets

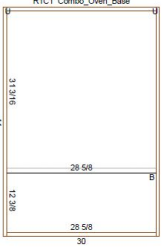
Assembly Sheets provide shop workers with clear visuals on cabinet assembly and measurements, especially helpful for built-in appliance cabinets and special custom pieces.



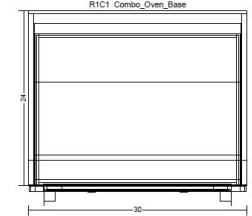
1 Front View
Combo_Oven_Base



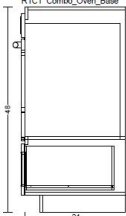
4 Left View
Combo_Oven_Base



2 Face Frame View
Combo_Oven_Base



3 Top View
Combo_Oven_Base



5 Right View
Combo_Oven_Base

Product Cutlist:						
Qty	W	L	Part	Material	Opening	
1	28 1/16	12 1/16	Drawer Front	5/8 BEVEL OPE 2.5	B	
1	28 1/4	10 1/4	Drawer Box	7/8 MAPLE	B	
1	3	28 5/8	FRAME	HARDWOOD		
1	2	28 5/8	FRAME	7/8 MAPLE		
1	30	44	UBack	7/16 MAPLE UV		
1	23 9/16	48	UEnd (L)	25 4375		
1	23 9/16	48	UEnd (R)	11/16 MAPLE UV		
1	23 9/16	28 5/8	Bottom	25 4375		
1	22 13/16	28 5/8	Fixed Shelf	11/16 MAPLE UV		
1	22 13/16	28 5/8	TOP	11/16 MAPLE UV		
1	4	28 5/8	Front Toe	11/16 MAPLE UV		

Product Hardware:						
Qty	Part	Type	Opening			
2	Guide	BLUM TANDEM 553H SIDE	B			
1	Insert	80MM TANDEM 21 553H530B)				
		Wall Oven Single (BH)				

Notes:

Approved By:

Sign: _____

Assembly Sheet

#R1C1 Combo_Oven_Base

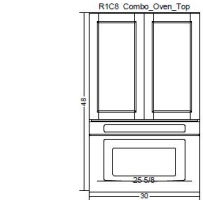
KITCHEN & WET BAR

30 in. Wide
48 in. High
24 in. Deep

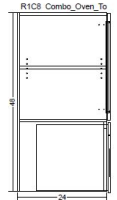
Not To Scale

12/18/2025

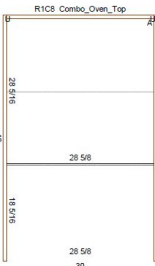
1/76



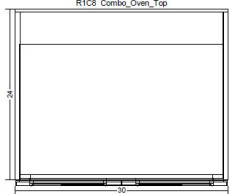
1 Front View
Combo_Oven_Top



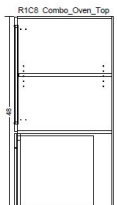
4 Left View
Combo_Oven_Top



2 Face Frame View
Combo_Oven_Top



3 Top View
Combo_Oven_Top



5 Right View
Combo_Oven_Top

Product Cutlist:						
Qty	W	L	Part	Material	Opening	
2	14 7/8	25 11/16	Door	1/2 W 2.5 SH BEVEL A		
1	1 13/16	28 5/8	FRAME	7/8 MAPLE		
2	1 1/2	16 7/8	SIDE FRAME	HARDWOOD		
1	30	48	UBack	7/8 MAPLE		
1	23 9/16	48	UEnd (L)	11/16 MAPLE UV		
1	23 9/16	48	UEnd (R)	25 4375		
1	23 9/16	28 5/8	Fixed Shelf	11/16 MAPLE UV		
1	23 9/16	28 5/8	Top	25 4375		
1	23 5/16	28 1/2	Adjustable Shelf	11/16 MAPLE UV		

Product Hardware:						
Qty	Part	Type	Opening			
4	Hinge	BLUM FL CL HING #183550 A	A			
4	Shelf Pins	P.LYTHORT #17041030				
		Flat Metal Pin 5mm	Int.			

Notes:

Approved By:

Sign: _____

Assembly Sheet

#R1C8 Combo_Oven_Top

KITCHEN & WET BAR

30 in. Wide
48 in. High
24 in. Deep

Not To Scale

12/18/2025

8/76

This is a double oven, designed as two stackable pieces for ease of transport and installation. Installation specs from the appliance manufacturer are always utilized when designing these pieces.

Cut lists

Cut lists are organized by material, room, and cabinet number and are matched to the production drawings. They provide shop workers with a simple way to quickly cut, label, and organize cabinet parts. They also provide drawer box and door dimensions, as well as hardware lists for easy ordering.

Hardwood Example:

Plywood Example:

Drawer Box Example:



Your Company Name

Job: , Customer:

Mozaik Cutlist for Face Frames (75 MAPLE HARDWOOD) (Page 2 of 4)

Quan	Width	Length	Part	Face Frames	Room# Cab# (Quan)
(1)	1 1/2	114	LS	R1:12	
(1)	1 1/2	104	RS	R4:1	
(4)	1 1/2	86	Side	R5:N4,N6,N9,N11	
(1)	1 1/2	83	BR	R2:1	
(1)	1 1/2	83	TR	R2:1	
(1)	1 1/2	80 1/4	LS	R1:22	
(1)	1 1/2	80 1/4	RS	R1:17	
(1)	1 1/2	79 3/4	RS	R2:5	
(2)	1 1/2	75	Front Nose	R5:N2,N8	
(1)	1 1/2	68 1/4	LS	R3:5	
(3)	1 1/2	62	LS	R1:9,18,21	
(4)	1 1/2	62	RS	R1:3,9,18,21	
(1)	1 1/2	61 3/4	Side	R4:N1	
(1)	1 1/2	44	BR	R1:12	
(1)	1 1/2	44	BR	R5:3	
(2)	1 1/2	44	CR	R1:12,R5:3	
(1)	1 1/2	44	TR	R5:3	
(1)	1 1/2	40 3/4	LS	R4:2	
(1)	1 1/2	36	LS	R4:5	
(1)	1 1/2	36	LS	R4:4	
(2)	1 1/2	36	RS	R4:3,5	
(1)	1 1/2	36	RS	R4:4	
(4)	1 1/2	34 1/2	LS	R5:2,3,4,5	
(1)	1 1/2	34 1/2	RS	R2:2	
(5)	1 1/2	34 1/2	RS	R2:1,R5:1,2,3,4	
(1)	1 1/2	34	CR	R4:2	
(1)	1 1/2	34	TR	R4:2	
(1)	1 1/2	33	BR	R1:25	
(8)	1 1/2	33	BR	R1:1,13,16,17,22,R2:2,5,R4:1	
(9)	1 1/2	33	CR	R1:1(2),13(2),16(2),R2:2(2),R4:1	
(3)	1 1/2	33	CR	R1:17,22,R2:5	
(4)	1 1/2	33	TR	R1:1,13,16,R2:2	
(1)	1 1/2	33	TR	R1:25	
(3)	1 1/2	31 3/4	BR	R1:2,3,9	
(2)	1 1/2	31 3/4	CR	R1:3,9	
(2)	1 1/2	31 3/4	CR	R1:2(2)	
(1)	1 1/2	31 3/4	TR	R1:2	
(10)	1 1/2	30 1/2	LS	R1:1,2,14,15,16,24,26,R3:2,4,R4:9	
(2)	1 1/2	30 1/2	LS	R1:25,R3:3	
(9)	1 1/2	30 1/2	RS	R1:1,2,13,14,15,24,26,R3:2,R4:9	
(3)	1 1/2	30 1/2	RS	R1:25,R3:1,3	

Job:

QTY	Width	Length	Part Type	Room Cab (QTY)
11/16 MAPLE UV 25.6875				
(1)	49 1/2	12	Panel	R1:19
(1)	49 1/2	12	UBack	R1:19
(1)	34	76	End (R)	R4:1
	13/16	3/16		
(1)	34	76	UEnd (L)	R4:1
	13/16	3/16		
(1)	34	40 3/4	UEnd (L)	R4:2
	13/16			
(1)	34	40 3/4	UEnd (R)	R4:2
	13/16			
(1)	34	33 1/8	Bottom	R4:1
	13/16			
(2)	34	33 1/8	Fixed Shelf	R4:1(2)
	13/16			
(1)	34	33 1/8	Top	R4:1
	13/16			
(1)	34	27	End (R)	R4:1
	13/16	13/16		
(1)	34	27	UEnd (L)	R4:1
	13/16	13/16		
(2)	34	33	Adjustable Shelf	R4:1(2)
	9/16			
(1)	31 1/4	40	RETURN SUB FILLER	R4:N2
(1)	29	40	FEnd	R4:5
	5/16			
(3)	28	40	UEnd (L)	R4:3,4,5
	13/16			
(3)	28	40	UEnd (R)	R4:3,4,5
	13/16			
(1)	28	24 1/8	Bottom	R4:4
	13/16			
(2)	28	17 7/8	Bottom	R4:3,5
	13/16			
(1)	28	17 7/8	Fixed Shelf	R4:3
	13/16			



Your Company Name

Job: , Customer:

Cutlist for Door Sizes (SH BEVEL DF 2.5)

Quan	Width	Height	Part	Door Sizes	Room# Cab# (Quan)
(1)	32 3/4	11 3/8	(Drawer Front Size)	R2:2	
(6)	32 3/4	9 1/2	(Drawer Front Size)	R1:1(2),13(2),16(2)	
(1)	32 3/4	7 5/8	(Drawer Front Size)	R2:2	
(2)	31 1/2	9 1/2	(Drawer Front Size)	R1:2(2)	
(4)	29 1/2	9 1/2	(Drawer Front Size)	R3:2(2),4(2)	
(4)	21 3/4	14 13/16	(Drawer Front Size)	R5:1,2,4,5	
(4)	21 3/4	14 11/16	(Drawer Front Size)	R5:1,2,4,5	
(2)	21	14 11/16	(Drawer Front Size)	R5:3(2)	
(4)	18 5/8	12 3/4	(Drawer Front Size)	R1:14(2),15(2)	
(2)	17 1/2	12 1/4	(Drawer Front Size)	R4:5(2)	
(1)	12 1/4	14 13/16	(Drawer Front Size)	R5:3	
(1)	10 3/4	14 13/16	(Drawer Front Size)	R5:3	
(3)	8 3/4	11 3/8	(Drawer Front Size)	R2:1(3)	
(3)	8 3/4	7 5/8	(Drawer Front Size)	R2:1(3)	
(36)	Doors	(Total)			
66.7	Sq Ft.	(Total)			



CNC codes and optimization

Designs can be sent directly through Mozaik's optimizer to provide Gcode readable by CNC machines. These codes optimize material usage.



Job:

Material: 11/16 MAPLE UV 2S .6875

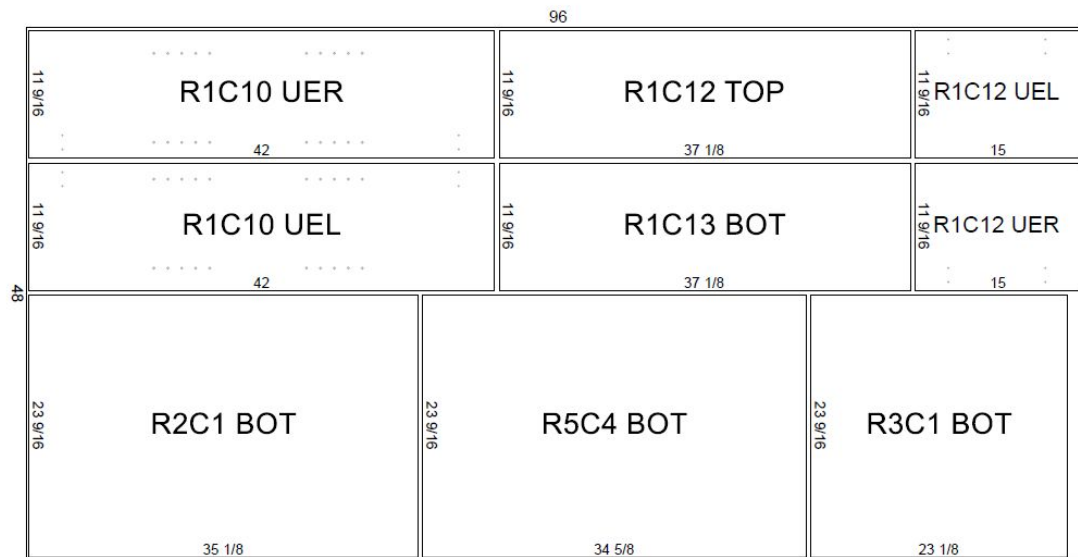
(Kerf=3/8in, W.Trim=1/4in, L.Trim=1/4in, Yield=94.73%)

For NEWCNC T5

Rev #2 Pattern #6 Sheets: 35

10/29/2025

Here is an example of a sheet layout optimized for a NewCNC T5. Can also be setup to print labels for easy part labelling.



GCode Filename:
S06R02.NC

11-16 MAPLE UV 2S .6875



Tools: (T8)= (T9)= (T10)= (T11)= (T1)=0.375_COMPRESSION

Limits: Z=15/16 in. Above & 0.005 in. Below Material, X=1/16 to 95 3/8, Y= 1/16 to 47 15/16 in.

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Career highlights

High-End Finish Carpenter

Finish Point Trim & Millwork,
Knoxville, TN

May 2020 – June 2021

Home Remodel/Renovation

Self-Employed, Knoxville

June 2021 – Present

Lead Designer, CNC Programmer & Operator, Production Manager, Builder, Installer

Summit Cabinets, Knoxville, TN

September 2024 – June 2026

Contact

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