

Parts List & Bill Of Material

DESCRIPTION	SUB-COMPONENT	QTY	ROUGH SIZE	ACTUAL SIZE	VENDOR	COST (CAN)	NOTES
Rough Lumber		1	1" x 6" x 120"	3/4" x 5 1/2" x 120"	HomeDepot	\$79.79	May potentially be slightly smaller in length due to requirement for trimming off rough ends.
Clock Case							
	Case Sides	2	24 1/4" x 4 3/16" x 5/8"	24 1/4" x 4 1/8" x 5/8"			Case Sides are 5/8".
	Case Top	1	9 3/4" x 4 3/16" x 3/4"	9 3/4" x 4 1/8" x 3/4"			Case Top is 3/4".
	Case Bottom	1	9 3/4" x 4 3/16" x 3/4"	9 3/4" x 3 5/8" x 3/4"			Case Bottom is 3/4".
Clock Crown Blank		1	13 " x 5 1/2" x 1"	12 1/2 " x 5 3/8" x 1"			Crown 1" thick. Blank size adjusted to accommodate overlaps required for Sides and Front Door.
	Lamination Part 1		13" x 5 1/2" x 5/8"				Create oversize and sneak up to final required dimensions
	Lamination Part 2		13" x 5 1/2" x 3/4"				Cove radius 1/2", SideOverhangs 1/4", Door thickness 5/8", Door Gap 1/8" .
Front Door							Thickness of door is 5/8".
	Stiles	2	24 1/4" x 1" x 5/8"	24 3/16" x 1" x 5/8"			1" wide. Slightly shorter then casing sides.
	Top & Middle Rails	2	10" x 1 1/4" x 5/8"	9 3/4" x 1 " x 5/8"			Middle rails has two 3/8" rabbits on each side. (9" + 3/8" + 3/8") = 9 3/4".
	Bottom Rail	1	10" x 2" x 5/8"	9 3/4" x 2" x 5/8"			Bottom Rails has a 3/8" grove for spindles.
	Spindles	7	10 3/4" x 5/8" x 5/8"	10 1/2" x 5/8" x 5/8"			Width plus overhangs in rabbits(9 1/2 " + 3/8" + 3/8").
Misc Wooden Parts							
	Movement Spacer	1	3 1/2" x 2 1/2" x 3/4"	3 1/2" x 2 1/2" x 3/8"			Needed to accommodate longer 5/8" clock mechanism shaft length and the installation of screws through movement & to the backer panel.
	Window Retainer Strips	4	10 x 3/8" x 3/8"	10" x 3/8" x 5/16"			Used to hold plexiglass in door. Adjust to fit.
	D--Ring Reinforement	1	5" x 3" x 5/8"	4 1/2" x 2 1/2" x 1/2"			Reinforce Plywood where mounting hardware attaches (Don't Use any Glue!)
	Back Panel Retainer Latch	1	1/2" x 1/2" x 2"	2" x 1/2" x 1/2"			Holds plywood Back Panel in position. Allows for Back Panel to slide down when required.
	Clock Face Top Cleat	1		9 3/4" x 5/8" x 5/8"			Used to hold Clock Face Backer into position.
	Clock Face Side Cleats	2		9 1/8" x 5/8" x 5/8"			
	D Ring Reinforment	1	3" x 5" x 1/2"	2 1/2" x 4 1/2" x 1/2"			Small piece of wood to reinforce plywood where D-Rings attach on back panel.
RedOak Plywood 1/4"				48" x 24" x 1/4"	HomeDepot	\$29.70	Actual thickness might be thinner then stated value.
	Clock Face Backer	1	10 " x 10 " x 1/4"	9 3/4" x 9 3/4" x 1/4"			Screws into place to Clock Face Cleats.
	Clock Back Panel	1	24" x 11" x 1/4"	24" x 10 1/4" x 1/4"			Cut oversized then trim to fit actual dimensions of groove
Door Hardware							
	Non Mortising Door Hinges	2	2" x 11/16" x 1/16"	2" x 11/16" x 1/16"	HomeDepot	\$6.48	Pair of Richelieu Non-Mortise Hinges in Antique Brass. Screws included.
	Magnetic Catch With Cup and Washer	1	3/8" x 3/8" x 1/4"	3/8" x 3/8" x 1/4"	LeeValley	\$7.90	Comes in set of 4 units.
	Door Bumpers	2	3/8" x 3/8" x 1/16"	3/8" x 3/8" x 1/16"	HomeDepot	\$3.98	Pack of 16 but only two are required
	PlexiGlass Clear Acylic Sheet	1	18" x 24" x 3/32"	9 3/4" x 9 3/4" x 3/32"	HomeDepot	\$18.48	Cut oversized and trim to fit opening
Clock Parts							
	Quartz Movement with Pendulum	1			LeeValley	\$39.50	5/8" Shaft. Increased thickness of backer by 1/2" with spacer
	Clock Hands	1	3 7/8"	3 7/8"	LeeValley	\$2.90	Selected style are in harmony with clock face design
	AA Battery	1	4 AA	1 AA	WallMart	\$4.48	1 AA Battery Required.
	Clock Face Printed on 65 lbs card stock	3	11" x 17 x 1/64"	9 7/8" x 9 7/8" x 3/32"	Staples	\$21.00	Paper Size = Tabloid. Two extra printed as spares.
Misc Screws							
	Pocket Hole Screws	10	Package of 100 pcs	1 1/4"	HomeDepot	\$11.58	Joining clock casing parts. Also used for attaching crown to case.
	Antique Brass Pan Head Screws	12	Package of 100 pcs	#4 x 1/2"	LeeValley	\$5.60	Attaching clock face to cleats . Also used for attaching retainer strips for plexiglass.
	Cleat Screws	6	Package of 28 pcs	#6 x 3/4"	HomeDepot	\$3.97	Attaching cleats to clock casing.
Wall Mounting Hardware							
	D-Ring Hangers	1	Package of 6 pcs	2 Required	HomeDepot	\$3.17	Screws provided.
	Braided Picture Wire	1	9 ft	1 ft Required	HomeDepot	\$5.62	50 lbs
	Hollow Wall Anchor	1	Package of 3 pcs	1 Required	HomeDepot	\$3.48	Paulin 3/16-inch L Hollow Wall Anchors
Misc Supplies							
	Varathane Golden Oak Gel Stain	1	1 Quart		HomeDepot	\$23.98	Try to find a smaller can, if possible
	Watco Wipe-On Poly	1	473 mL		HomeDepot	\$37.24	Satin or gloss finish
	Inoteca InstantBond Gue	1	50 mL		HomeDepot	\$17.52	
	LePage Pro Carpenter's Glue	1	150 mL		HomeDepot	\$6.84	
	3M Super 77 Multi-Purpose Spray Adhesive	1	399g		Canadian Tire	\$21.99	Multi-Purpose Spray Adhesive Glue For Paper, Plastic, Wood, Metal, Fabric
	Hardwood 1/4 Dowels	6	1/4" x 48"	1/4" x 1 1/4"	HomeDepot	\$2.98	Cut long dowel rod to required size
TOTAL COST						\$358.18	