

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 sneek up to final required dimensions |
| | Lamination Part 2 | | 13" x 5 1/2" x 3/4" | | | | Cove radius 1/2", Side Overhangs 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" groove 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 |
| | PlexiGlasss 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 | |