

Pet Steps / Plant Stand with Storage

Hardwood Face Frames

Mill stock to 9/16" thick X 1-1/2" wide

| Qty | Length | |
|-----|---------|--------|
| 4 | 22-1/2" | Stiles |
| 4 | 15" | Stiles |
| 4 | 7-1/2" | Stiles |
| 12 | 8-1/2' | Rails |

Make two face frames of each size, joining the corners with Festool Dominos or dowels

Door Panels

| Qty | Width | Length |
|-----|---------|----------|
| 2 | 8-5/16" | 19-1/16" |
| 2 | 8-5/16" | 11-9/16" |
| 2 | 8-5/16" | 4-1/8" |

Length = grain direction.

Plywood Boxes

| Qty | Width | Length | |
|-----|---------|-----------|----------------|
| 2 | 10-7/8" | 21-15/32" | Sides |
| 2 | 10-7/8" | 13-15/16" | Sides |
| 2 | 10-7/8" | 6-13/32" | Sides |
| 6 | 10-7/8" | 11-3/16" | Tops & Bottoms |

Length = grain direction. Mill a ~1/2" wide X 9/32" deep rabbet in the top and bottom of each side piece. Glue the boxes and face frames together. Align the parts so that the top edge of the bottom rail of each face frame is flush with the top edge of the bottom piece of each box.

Treads (Tops of Steps)

| Qty | Width | Length | Thickness |
|-----|---------|----------|-----------|
| 2 | 13-1/8" | 12-3/16" | 9/16" |
| 1 | 13-1/8" | 12-3/4" | 9/16" |

Width = grain direction. Roundover the two smaller treads on three edges, leaving one long edge square. On the larger piece, round all four edges.

Door Frames & Door Sizes

Mill stock to 9/16" thick X 1-3/8" wide

| Qty | Overall Width | Stile Length | Rail Length |
|-----|---------------|--------------|-------------|
| 2 | 10-5/8" | 21-1/2" | 7-7/8" |
| 2 | 10-5/8" | 14" | 7-7/8" |
| 2 | 10-5/8" | 6-1/2" | 7-7/8" |

Prepare corners for joinery, either with Dominos or dowels. Cut stopped grooves in stiles and full-length grooves in rails to fit plywood panel.

Adjust measurements as necessary to compensate for variations in thicknesses of plywood.

Conventional mortise & tenon or dowel joinery can be used for face frames and doors.

Door panels can be solid wood, raised panels, or plywood.