Backlit LED Poster Frame Light Box

A great way to showcase your favorite posters featuring LED back-lighting.

Cut List

Part ID	Part Description	Material	QTY	Width	Length	Thickness
A	Top/Bottom	4/4 Hardwood	2	102mm	686mm	19mm
B	Side	4/4 Hardwood	2	102mm	1035mm	19mm
C	Back	6mm Plywood	1	686mm	1016mm	6mm
D	French Cleat	4/4 Hardwood	2	51mm	667mm	19mm

Materials List

5BF - 4/4 Hardwood (5BF ~net, 6BF with 20% waste added)*
1ea - Dowels sized to your counter sink bit.
4ea - Knock down hardware
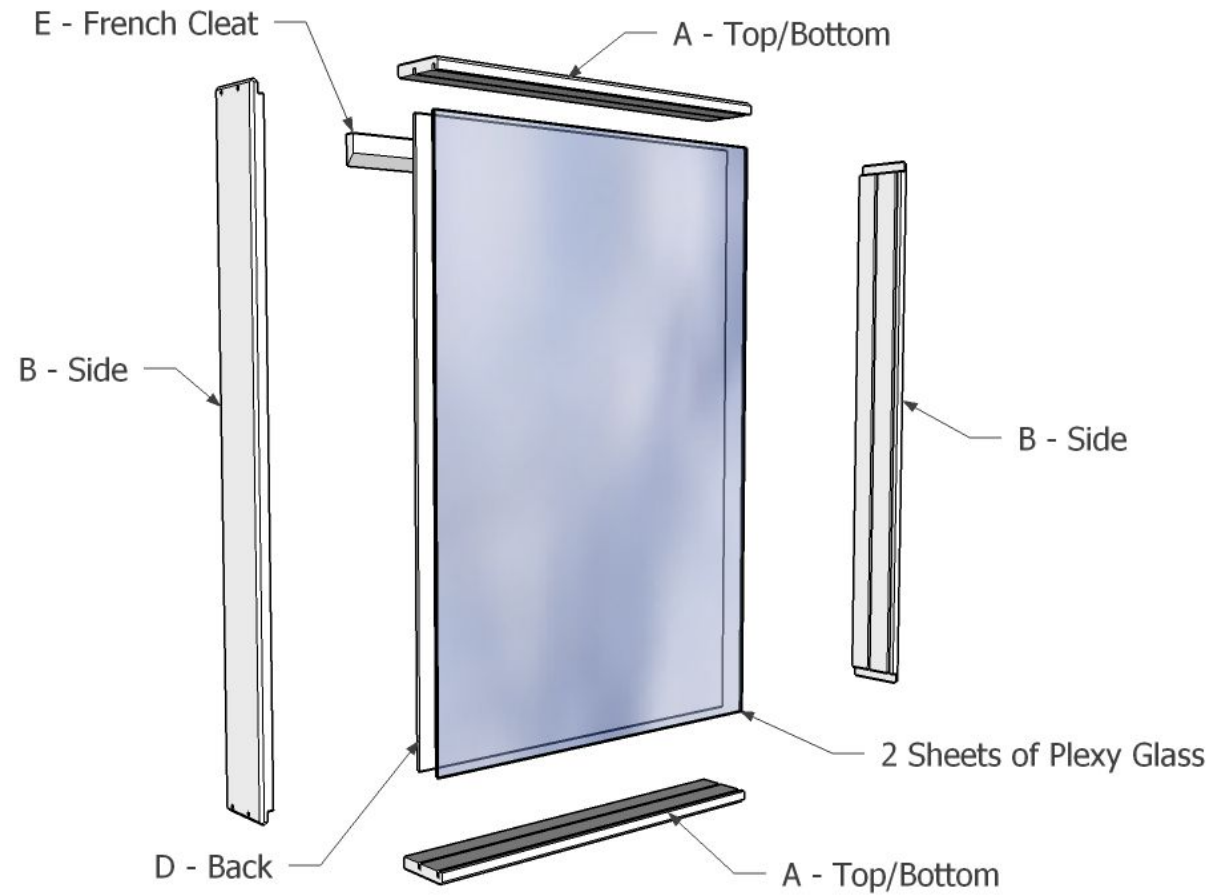2ea - Plexiglass ~3mm thick 686mm x 1016mm
1ea - Half Sheet 6mm plywood
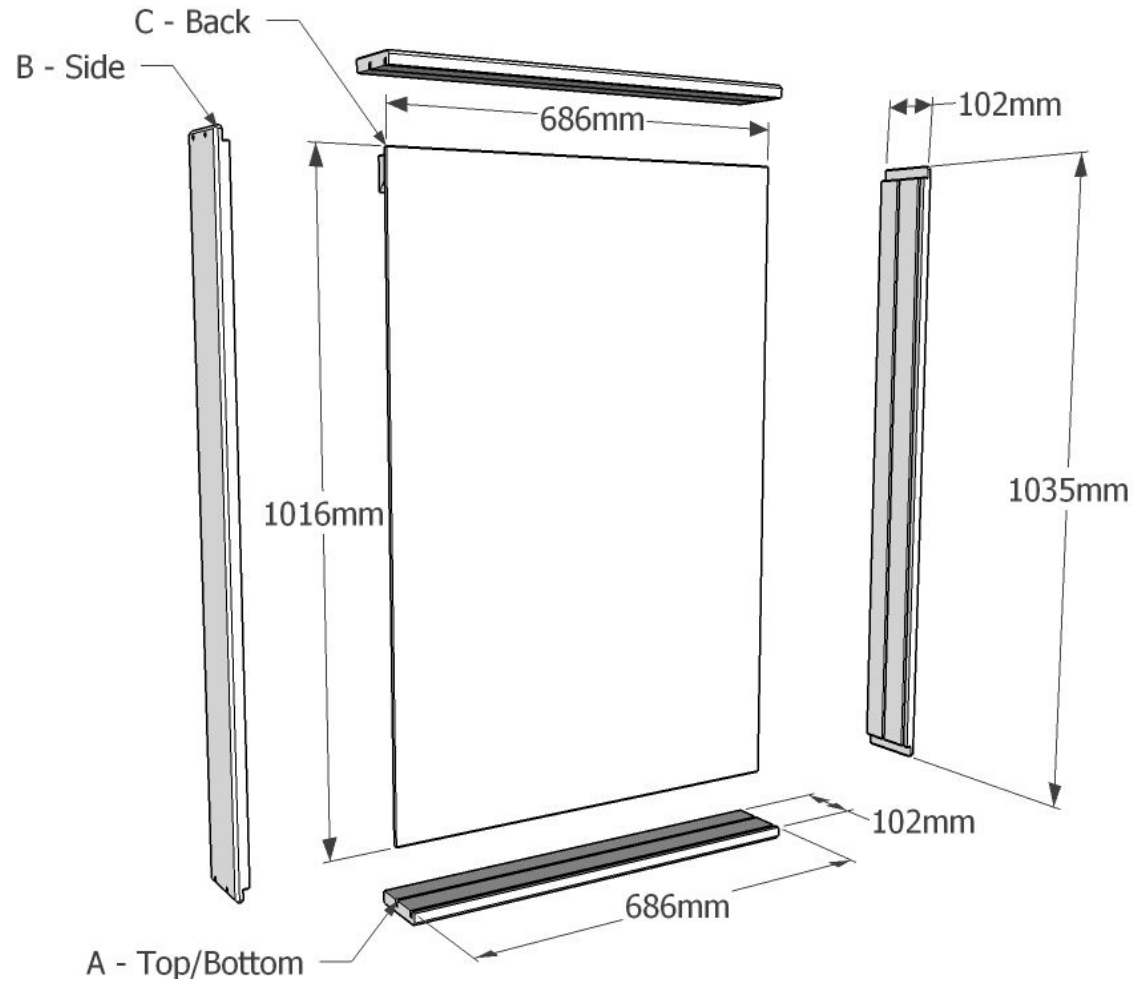Assorted screws

*Note Board Feet quantities have been rounded up to the nearest board foot

Note: These plans have been converted from Imperial measurements and rounded to the nearest mm. Use relative Dimensioning when needed.
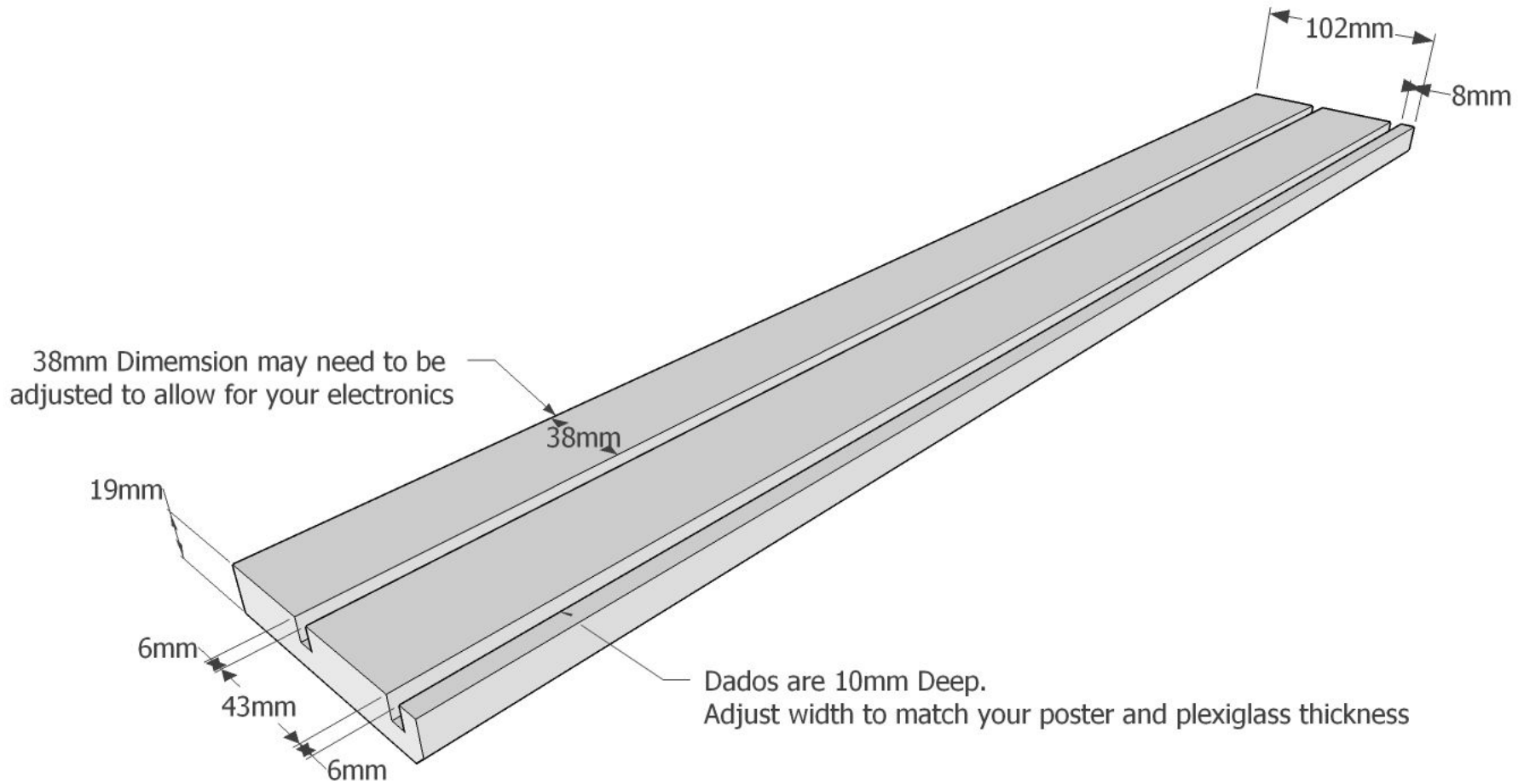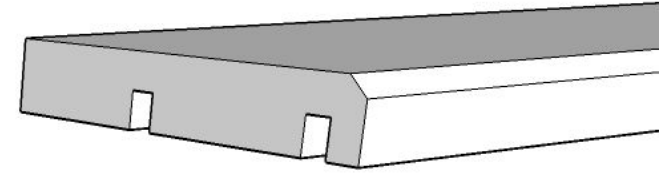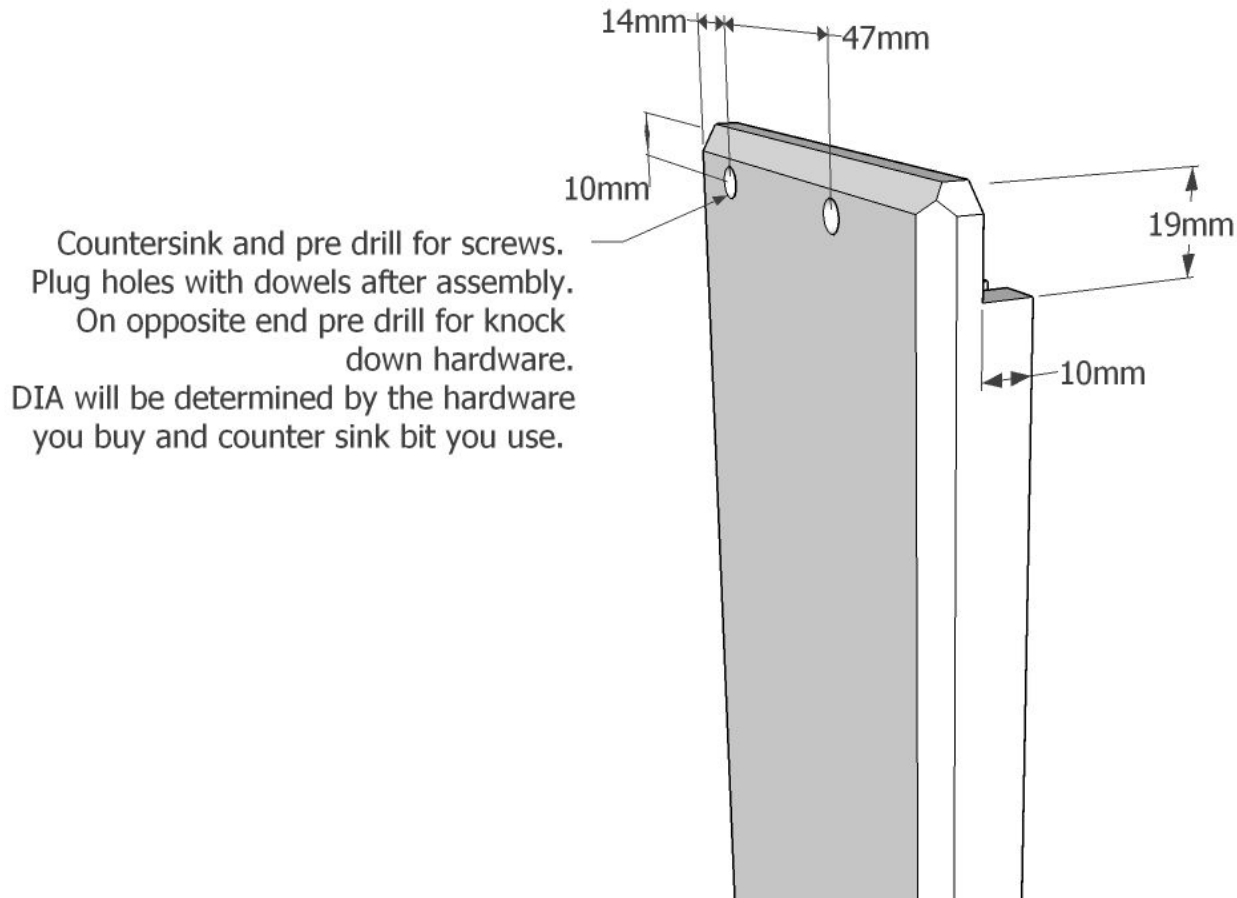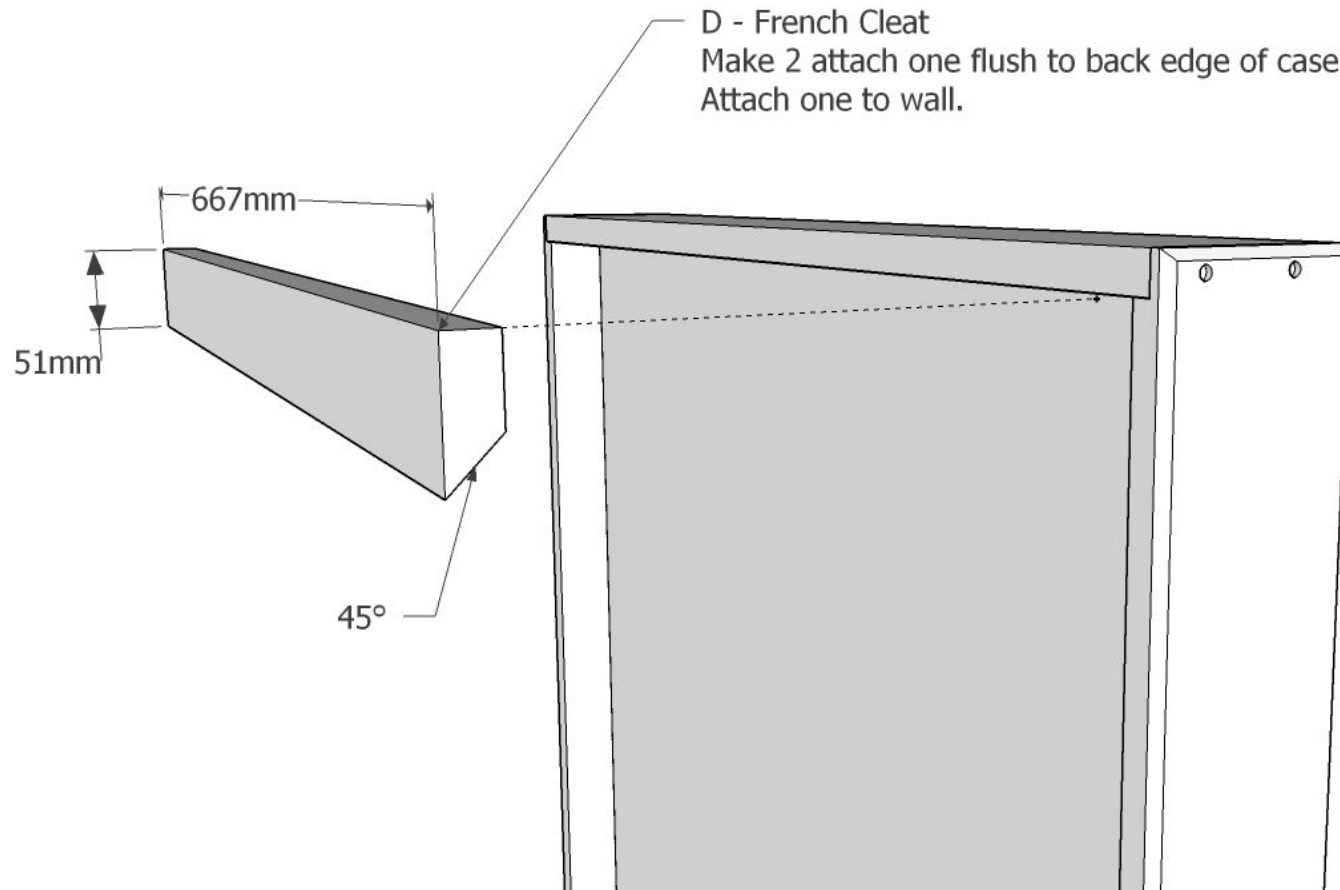
Exploded View

Overall Dimensions

Dado Detail

102mm

8mm

38mm Dimemsion may need to be
adjusted to allow for your electronics

38mm

19mm

6mm

43mm

6mm

Dados are 10mm Deep.
Adjust width to match your poster and plexiglass thickness

Joinery Detail

14mm

47mm

10mm

19mm

10mm

Countersink and pre drill for screws.
Plug holes with dowels after assembly.
On opposite end pre drill for knock
down hardware.
DIA will be determined by the hardware
you buy and counter sink bit you use.

French Cleat Assembly

D - French Cleat
Make 2 attach one flush to back edge of case
Attach one to wall.

667mm

51mm

45°

Chamfer Detail

5mm Champher on edges as shown