

Reflecting Solar Oven Plans and Diagrams

Yes, I know, all the measurements are in imperial. I made the oven many years ago and these are the measurements I followed, so get used to it!

Materials List

Plywood

- 1 off 16 ½" x 17 ¼" by ¾" thick (to make the sides)
- 1 off 16 ½" x 18" by ¾" thick (to make the top and bottom)
- 1 off 19 ½" x 17 ¼" by ¾" thick (to make the back)
- 4 off 18" x 18" by ¼" thick (to make the main panel reflectors)
- 4 off 15" x 18" x 18" by ¼" thick (to make triangular corner panel reflectors)

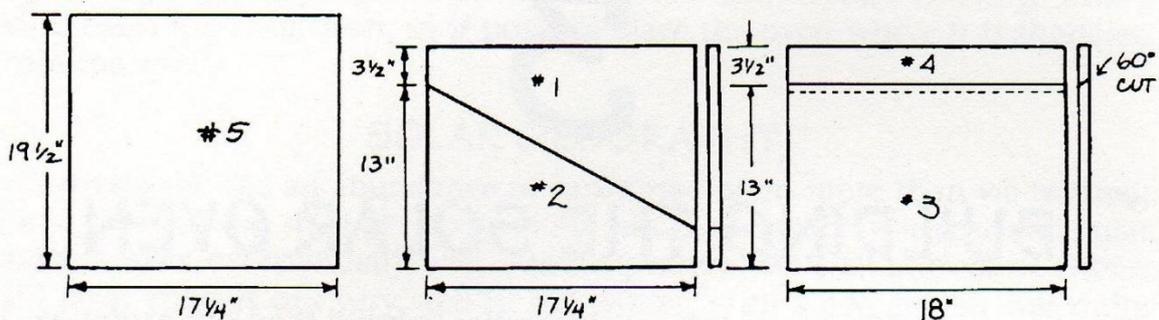
Galvanised Sheet Steel

- 1 off 10 ½" x 17 ½" by 1/32" (0.5mm) thick (back)
- 1 off 15 ¼" x 17 ½" by 1/32" (0.5mm) thick (base)
- 2 off 10 ½" x 15 3/8" x 3" x 16" x 1 ¼" by 1/32" (0.5mm) (sides) – see diagram

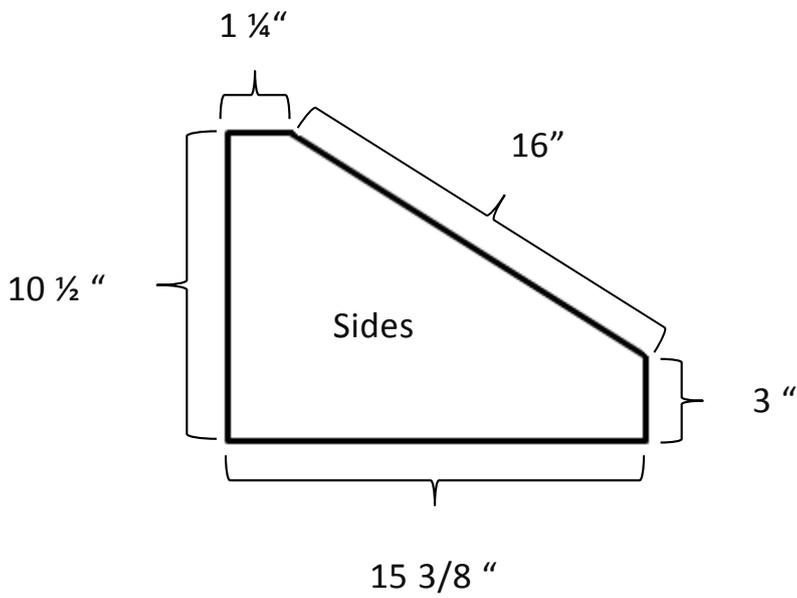
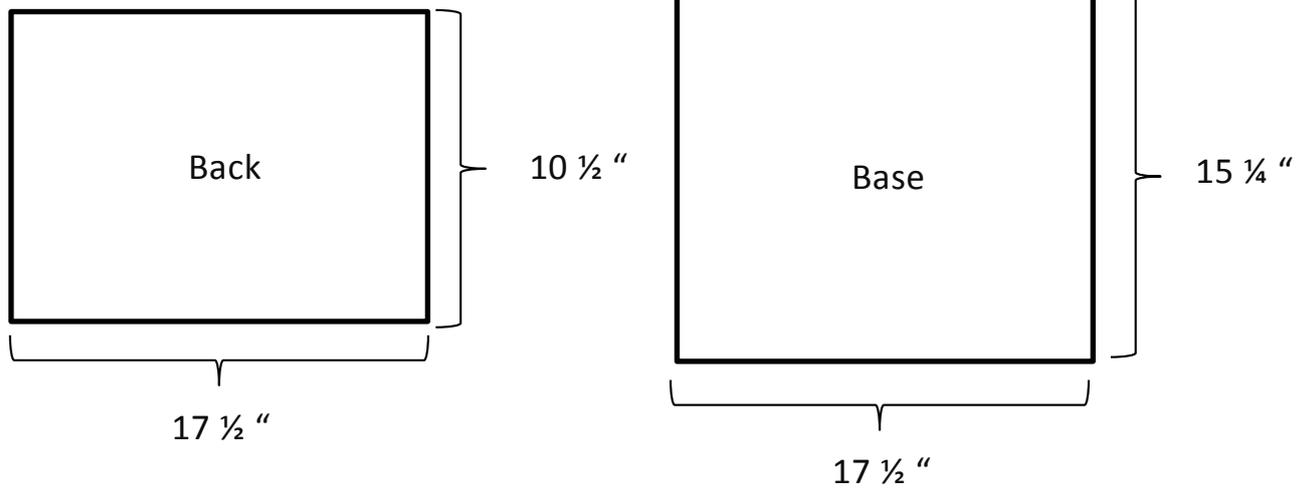
Other stuff

- 8 square feet of compressed glasswool insulation 1" thick
- 1 off ¼" (6mm) thick window glass 18 7/8" x 18 7/8"
- 4 off wood strips 1/8" x 3/8" x 20"
- 8 off aluminium or sheet steel 1" x 4" for attaching reflectors to oven body
- 1 off wooden drawer knob and attachment screw
- Assorted screws and nails
- A can of matt black engine enamel

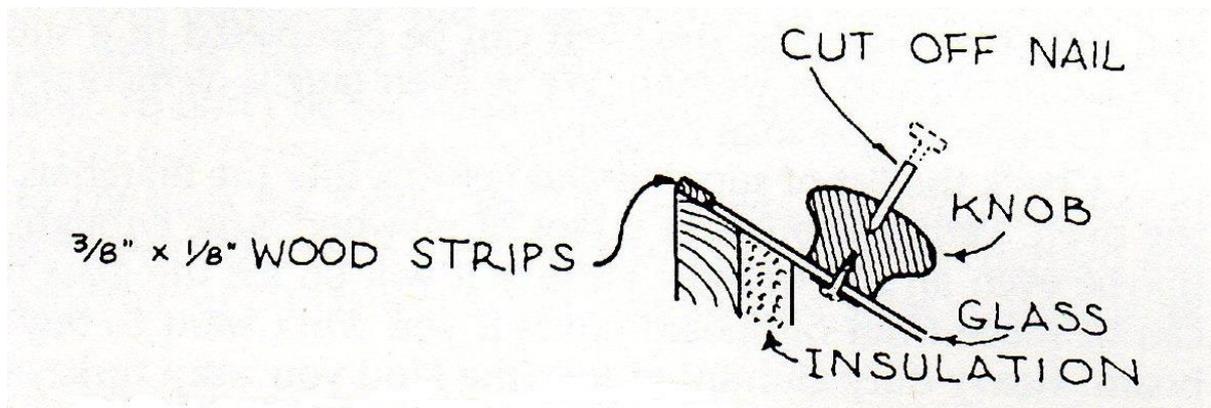
Plywood Shapes



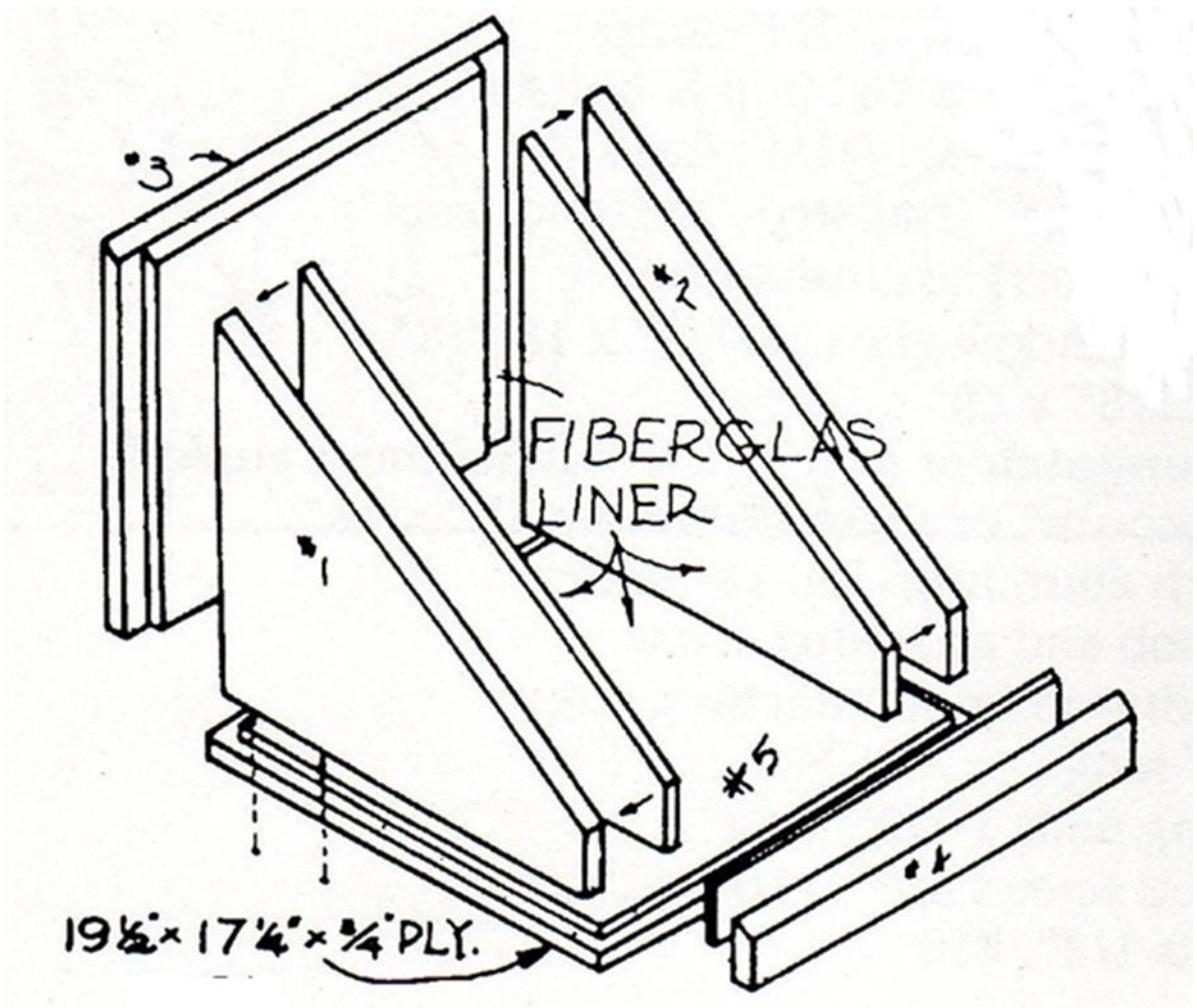
Sheet Steel Shapes



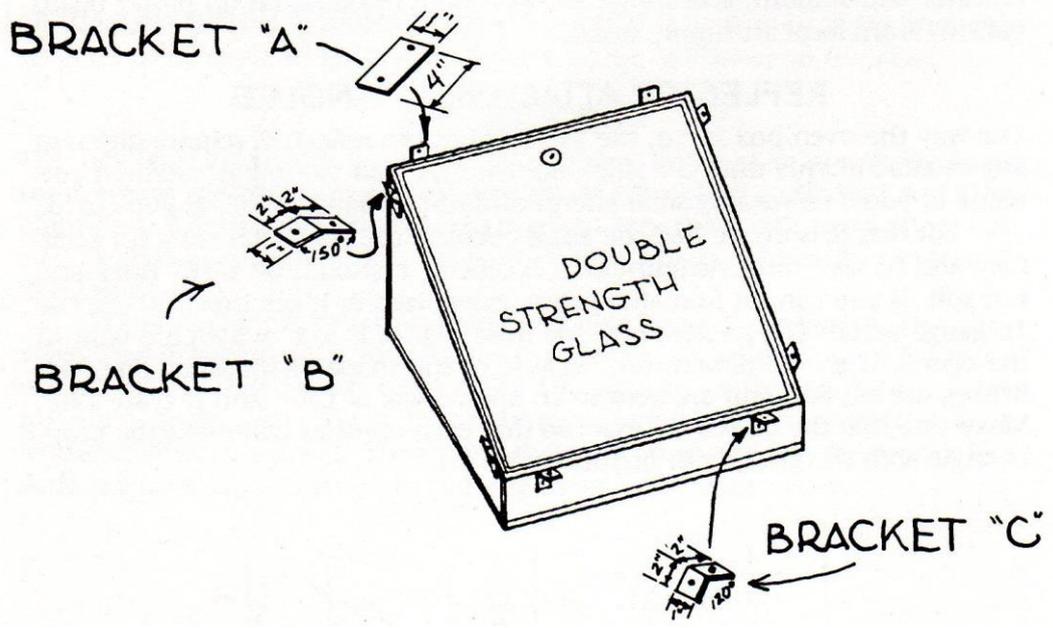
Wood Strip and Knob Attachment



Oven Body Assembly



Fitting Brackets to the Stove Body



Reflectors Fitted to the Oven

