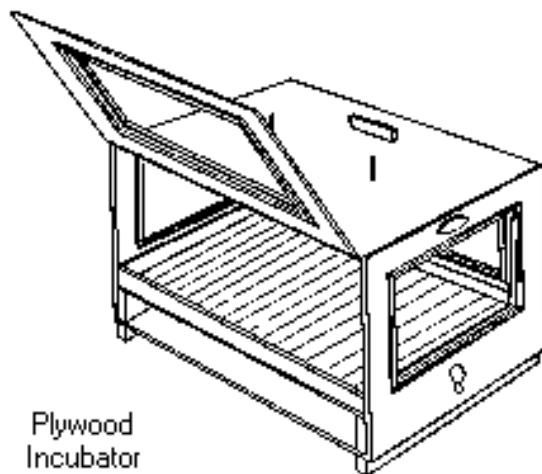


Constructing a Plywood Incubator



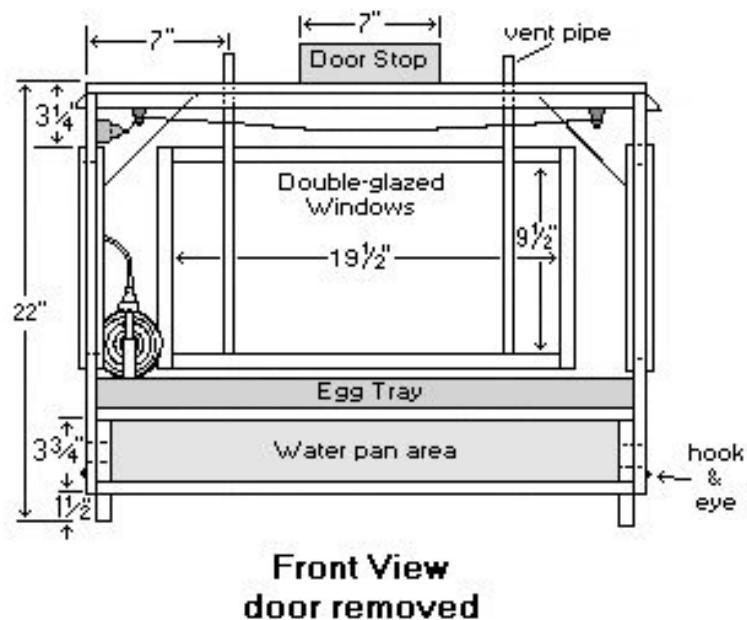
Plywood
Incubator

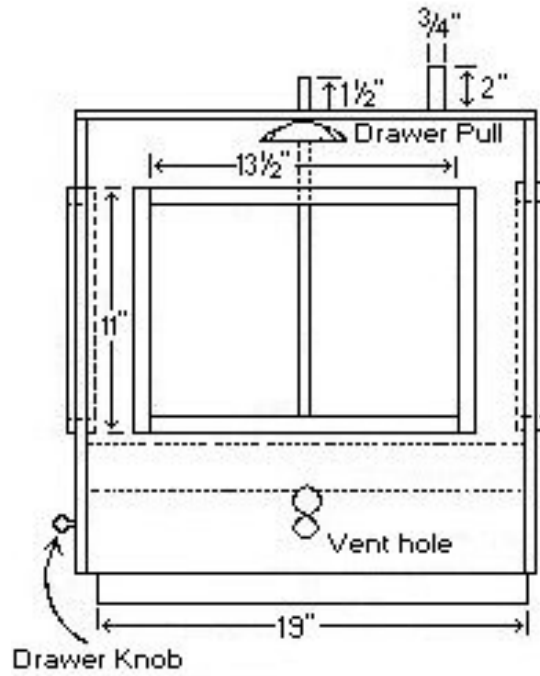
The following illustrations are designed to guide the reader through the construction of a small plywood and glass incubator that will accommodate about 100 chicken eggs. Basic woodworking tools are required for construction. Gather all equipment and supplies listed below together before starting construction. The diagrams shown will guide the construction of the unit. Printed diagrams are shown in MCES Publication 1150, *Avian Embryo* that is available through your local County Agent Office.

Bill of Materials

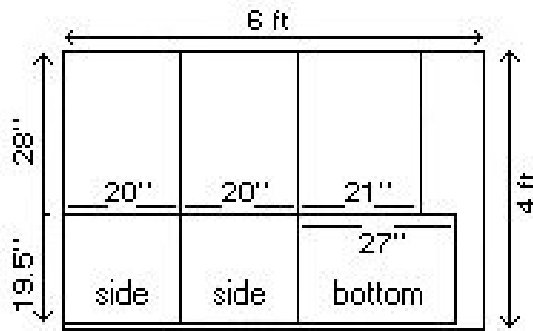
1 pc	1/2"x4'x6' A-C Exterior Plywood
5 pcs	3/8"x3/4"x8' Pine
1 pc	3/4"x1 1/2"x13' Pine
1 pc	3/4"x3 1/4"x4' Pine
1 pc	1/2"x3/4"x8' Pine
1 pc	1/2"x18"x27" rigid insulation board
1 pc	18"x27" heavy duty aluminum foil
1 pc	1/2"x30" semi-rigid plastic pipe
4 pcs	10"x20" single strength window glass
4 pcs	10"x14" single strength window glass
2	1 1/2" round wooden drawer pulls
2	metal drawer pulls (cup type)
2	2" hooks with eyes
1 pc	8' felt weatherstripping 1/4"x1/2"
1 pc	20"x27" - 1/4" hardware cloth
2	vent covers - sheet metal
1	incubator electrification kit *
1	attachment plug
2'	No. 18-2 flexible service cord
1	duplex outlet for surface mounting
10	small porcelain knobs for heating element
1 pr	4"x1" flat hinges
1	water pan - minimum 360 sq. in.
1 pc	1/8"x16 1/2' steel rod
1 pc	3/16"x8' steel rod
	Assorted nails and screws
	Waterproof wood glue

* electrification kit composed of wafer thermostat with duplex outlet, pilot light, service cord, and 160-watt flexible glass-covered heating element.

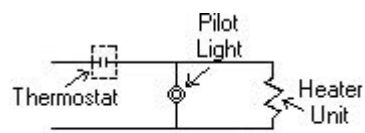




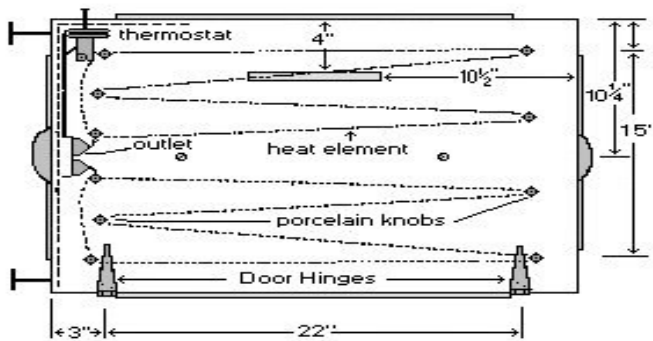
End View



Plywood Cutting Diagram



Schematic Wiring Diagram



Top View

[Return to the Avian Embryo.](#)

Return to:

[Poultry Science Home Page](#)

[College of Agriculture & Life Sciences](#)

[Mississippi State University](#)

For information about this page, contact Tom W. Smith at tsmith@poultry.msstate.edu.
For information about Mississippi State University, contact msuinfo@ur.msstate.edu.

Last modified: Wednesday, 6-August-97.

URL: <http://www.msstate.edu/dept/poultry/plywood.htm>

[Mississippi State University is an equal opportunity institution.](#)