Important: Warranty Disclaimer for Plans

For the convenience of our clientele, this website makes available conceptual plans that can be helpful in planning buildings, facilities, or other structures. They were developed over many years by engineers at Land Grant universities through the former USDA Cooperative Farm Buildings Plan Exchange. *Regardless of the original intent, these are older plans that provide conceptual information only, and are not to be considered or used as construction plans.*

These plans do not claim to represent the most current technology or the most recent construction techniques, standards, or codes. For example, over the years there have been changes in the National Design Specifications for Wood Construction, changes in the strengths and types of building materials, and changes in fasteners, among other things. Those changes, along with variations in climate, building codes, and other factors, make it imperative that professional services be utilized for your specific project. Suggested services include, but are not limited to, structural design, assurance of compliance with codes and regulations, site selection, construction supervision, and provision for utilities, waste management, and access. *These plans do not replace the need for competent design assistance in developing safe, legal, and well-functioning agricultural buildings and systems.*

*Neither the University of Kentucky, the Midwest Plan Service, the United States Department of Agriculture, nor any of the cooperating Land Grant universities, warranty these plans. They are for conceptual use only and are not for use as construction plans.*
NOTE
LUMBER SHOULD BE SELECTED WHICH IS FREE OF KNOTS OR OTHER DEFECTS. MINOR DEFECTS SHOULD BE ACCEPTED ON UP TO 1/4 OF NAILER OR LOWER 1/4 OF STUD.

NOTE
ALL LUMBER IN CONTACT WITH GROUND TO BE SIPHYL 24 HOURS IN A WATER-CURING SALT-TYPE PRESERVATIVE.

SECTION A-A
SCALE 1:11-0"
HEATER SIZE BASED ON INSIDE TEMPERATURE OF 60°
W/2 LAYERS OF PLASTIC
W/SINGLE LAYER ONLY

GREENHOUSE 10' x 12' 17,504 BTU/HR
GREENHOUSE 10' x 16' 21,944 BTU/HR
GREENHOUSE 10' x 20' 23,900 BTU/HR
GREENHOUSE 10' x 24' 23,900 BTU/HR
GREENHOUSE 10' x 28' 25,856 BTU/HR
GREENHOUSE 10' x 32' 28,816 BTU/HR

EXHAUST FAN SIZE

GREENHOUSE 10' x 12' 1,776 CFM 6 1/2 HP
GREENHOUSE 10' x 16' 2,112 CFM 8 HP
GREENHOUSE 10' x 20' 2,448 CFM 10 HP
GREENHOUSE 10' x 24' 2,784 CFM 12 HP
GREENHOUSE 10' x 28' 3,120 CFM 14 1/2 HP
GREENHOUSE 10' x 32' 3,456 CFM 17 HP

FOR HOLLING INSIDE A MINIMUM OF 10° ABOVE
THE OUTSIDE TEMPERATURE, FOR 6-HP
DIFFERENS DOUBLE THESE RATES

UNIT HEATER, 240 V, FLOW
FURNACE TO RUN CONTINUOUSLY
(FOR SIZE SEE CHART ABOVE)

SIDE ELEVATION
SCALE 1/8" = 1'-0"

END ELEVATION
SCALE 1/8" = 1'-0"

KENTUCKY HOBBY GREENHOUSE

END VENT
ADD 2 1/2" DIA. KRANR
TO HANG HEATER APPROX.
12" FROM CEILING