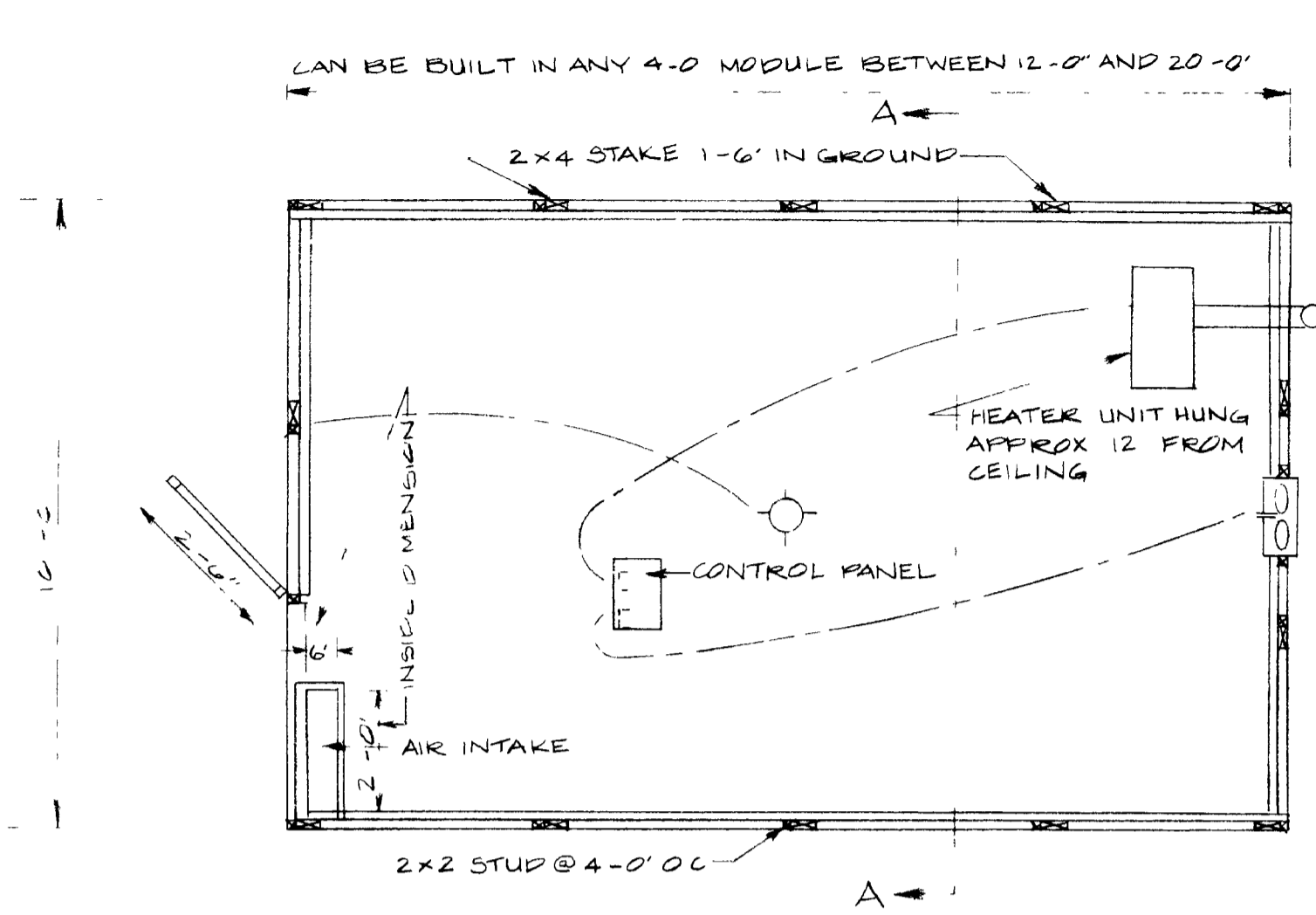


Important: Warranty Disclaimer for Plans

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.*

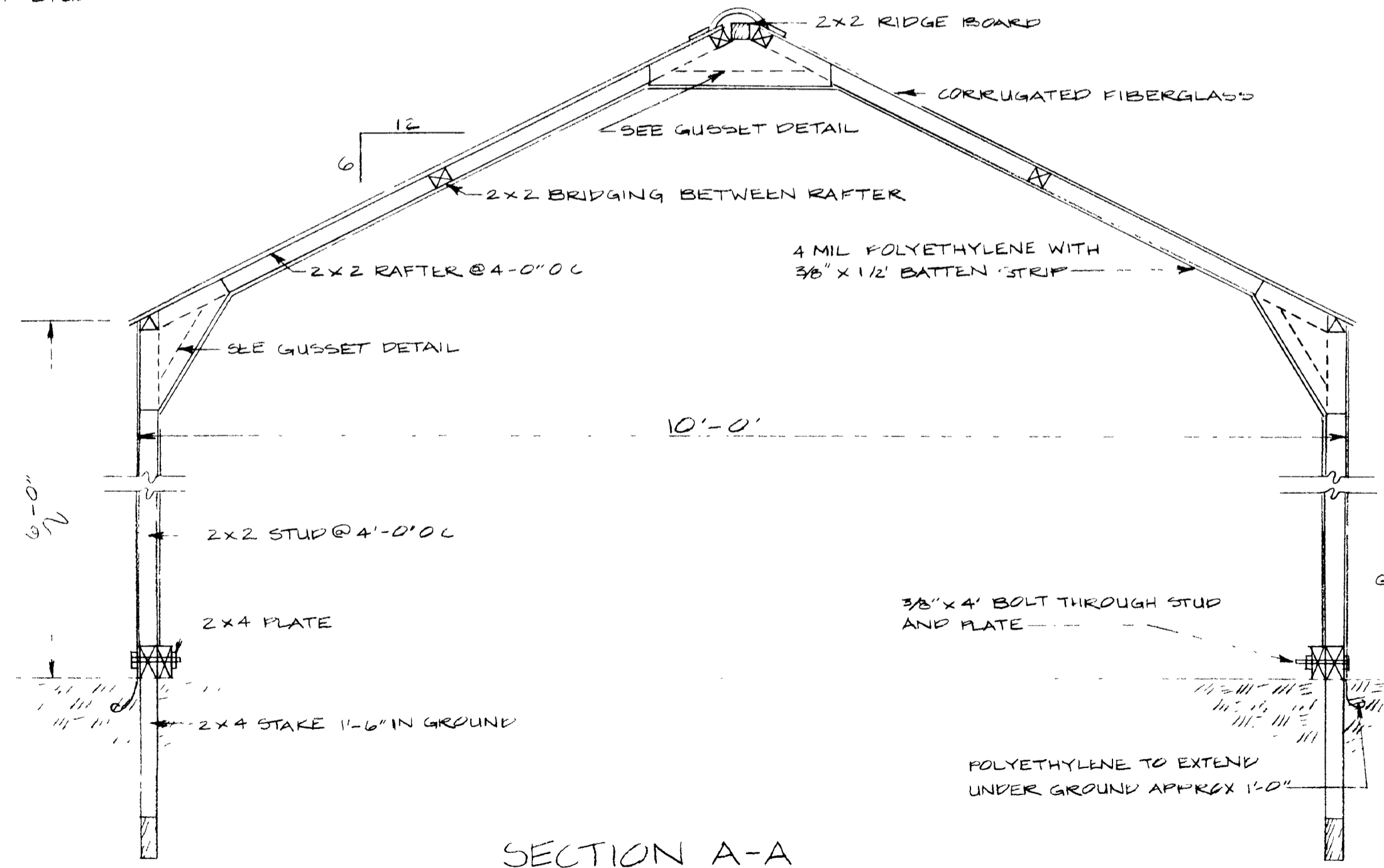
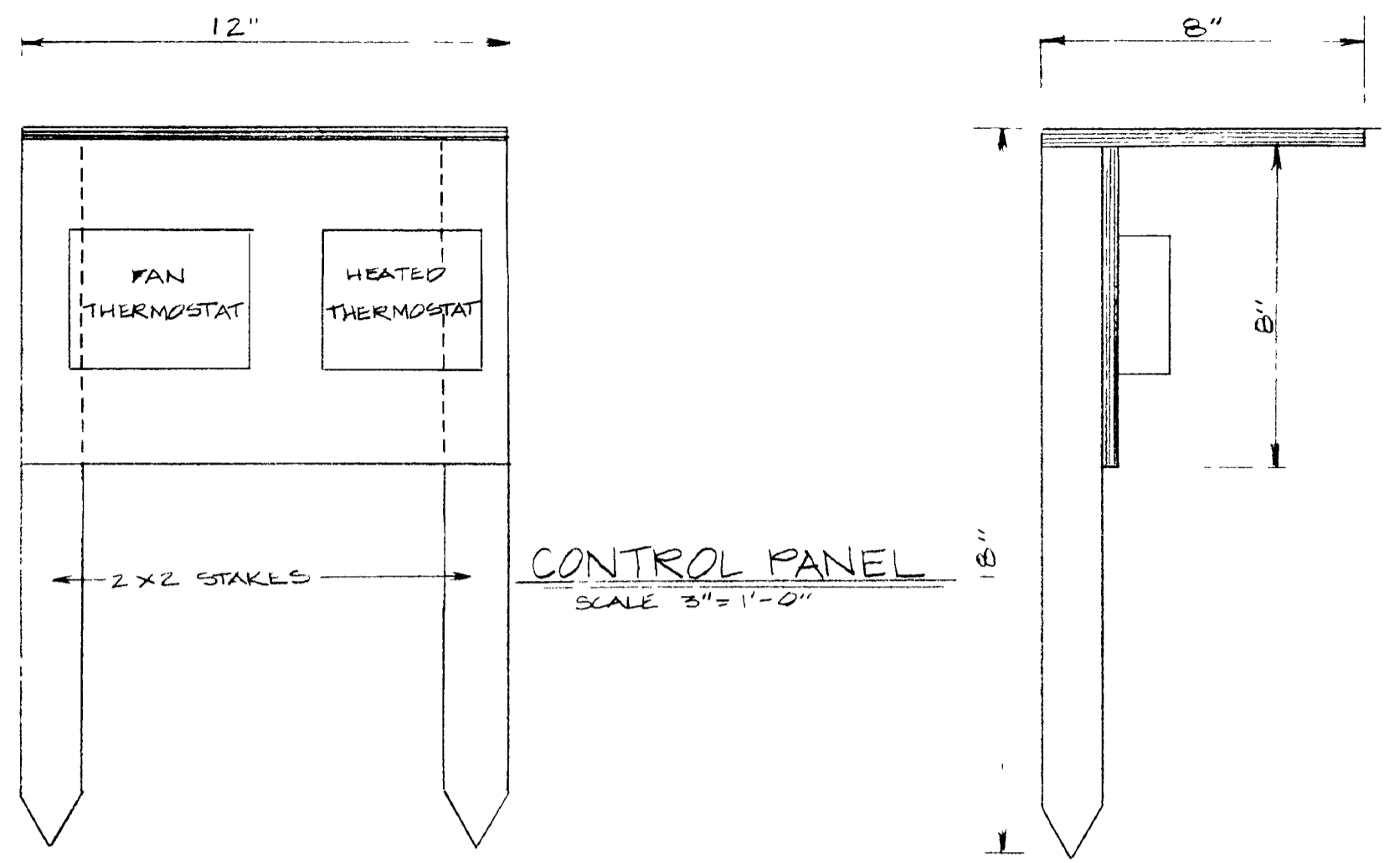
Neither the University of Kentucky, the Midwest Plan Service, the United States Department of Agriculture, nor any of the cooperating Land Grant universities, warranty these plans. They are for conceptual use only and are not for use as construction plans.



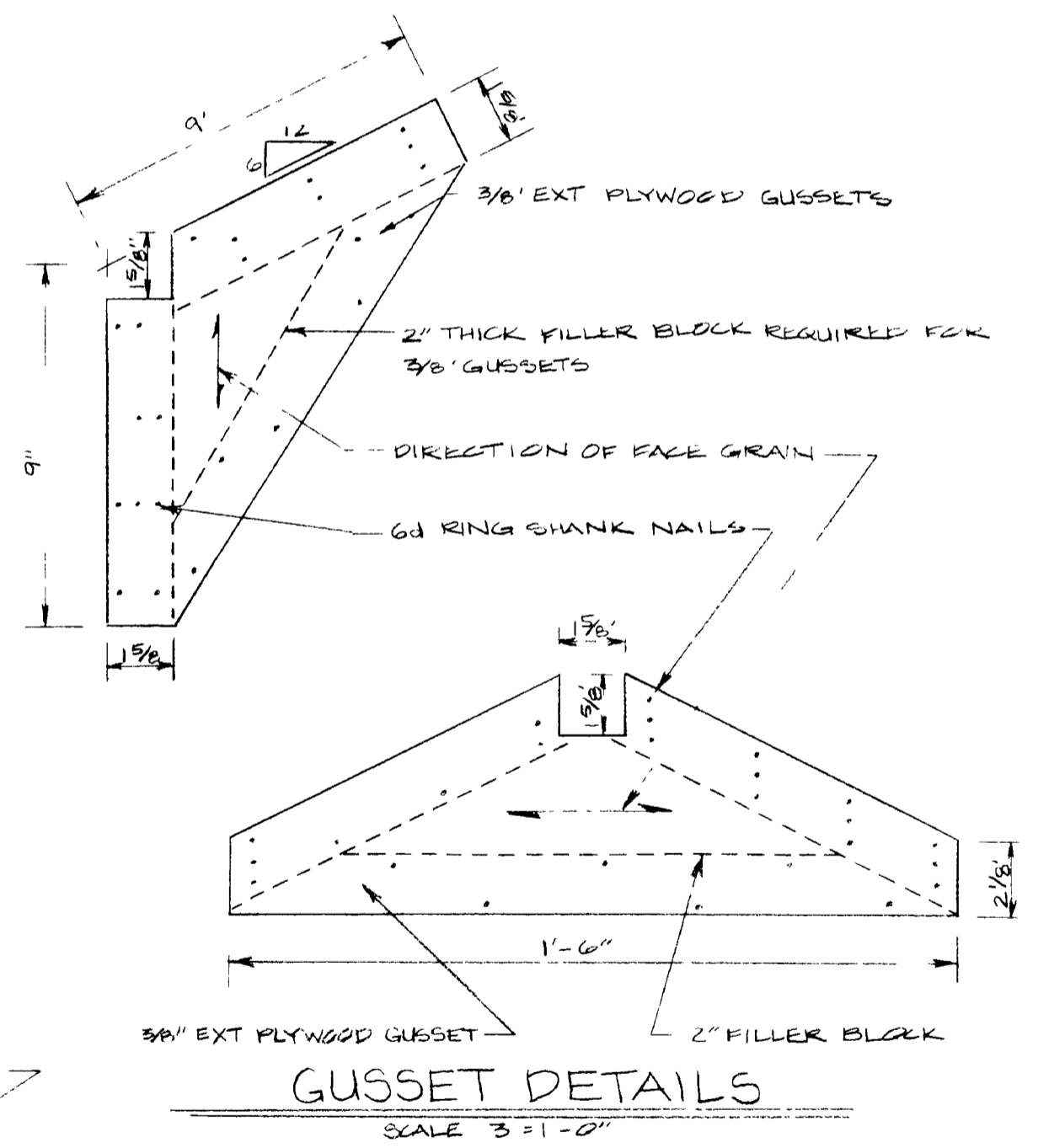
FLOOR PLAN
SCALE 3/8" = 1'-0"

NOTE.
LUMBER SHOULD BE SELECTED WHICH IS FREE OF KNOTS OR OTHER DEFECTS. MINOR DEFECTS SHOULD BE LOCATED IN UPPER 2/3 OF RAFTER OR LOWER 1/2 OF STUD.

NOTE
ALL LUMBER IN CONTACT WITH GROUND TO BE DIPPED 24 HOURS IN A WATER-BORNE SALT-TYPE PRESERVATIVE



SECTION A-A
SCALE 1" = 1'-0"



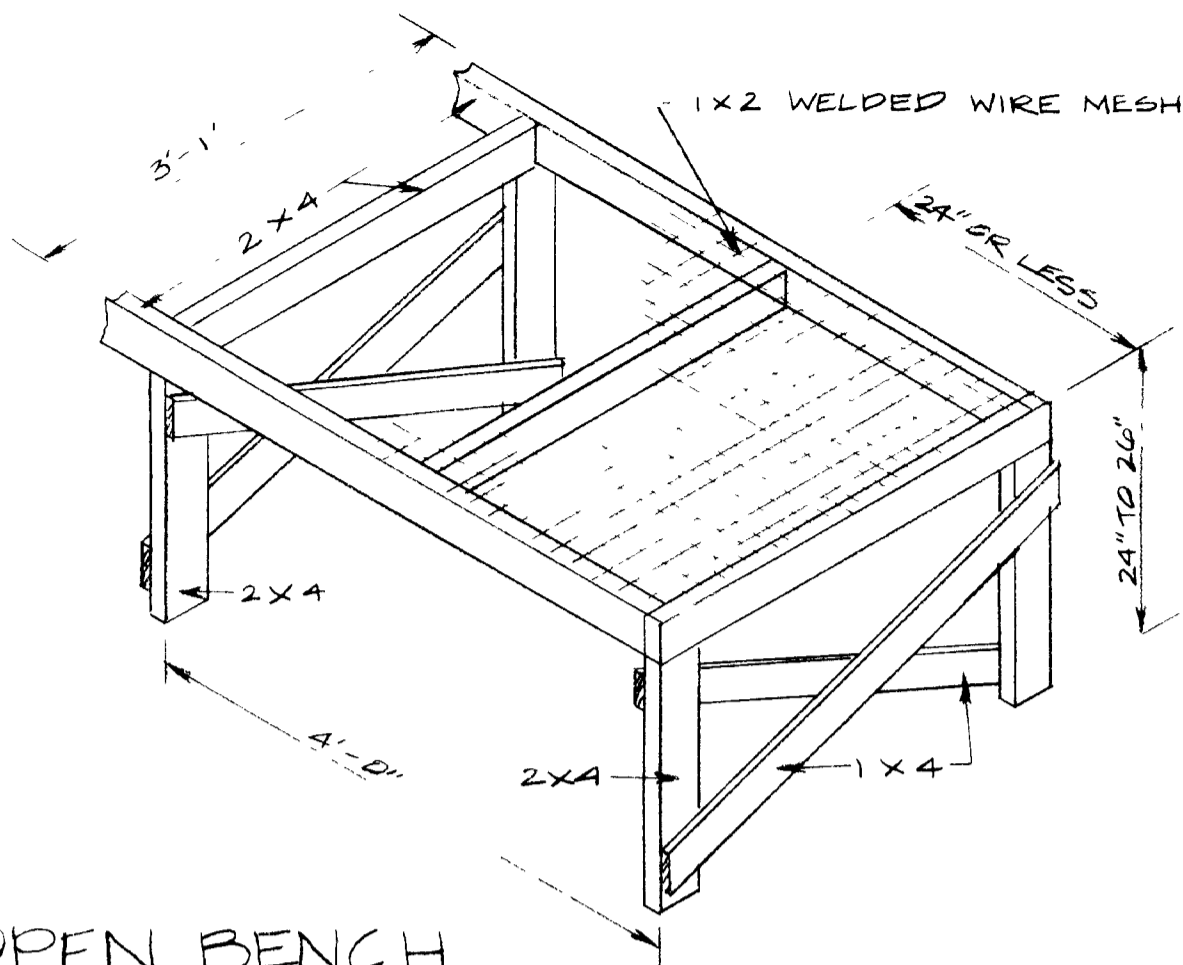
GUSSET DETAILS
SCALE 3" = 1'-0"

KENTUCKY HOBBY GREENHOUSE

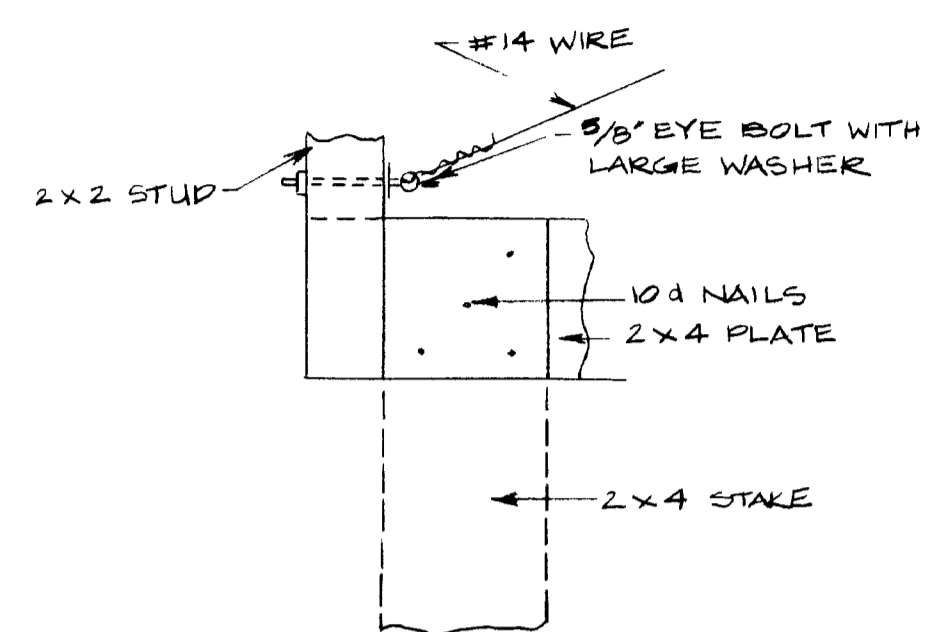
COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS
DEPARTMENT OF AGRICULTURAL ENGINEERING
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY
AND
U.S. DEPARTMENT OF AGRICULTURE COOPERATING

DESIGNED BY J. H. WALKER SHEET 1 OF 3
CHECKED BY
DRAWN BY S. ELLIOTT
DATE MAY 1968
REVISIONS AUG 1983

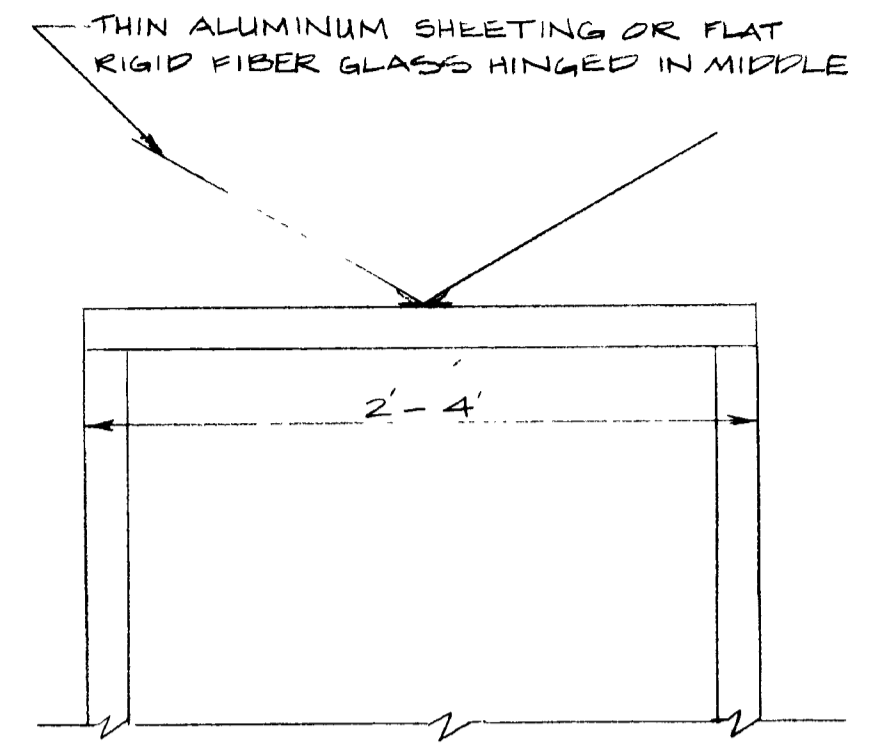
PLAN NUMBER
KY. 11-771-8



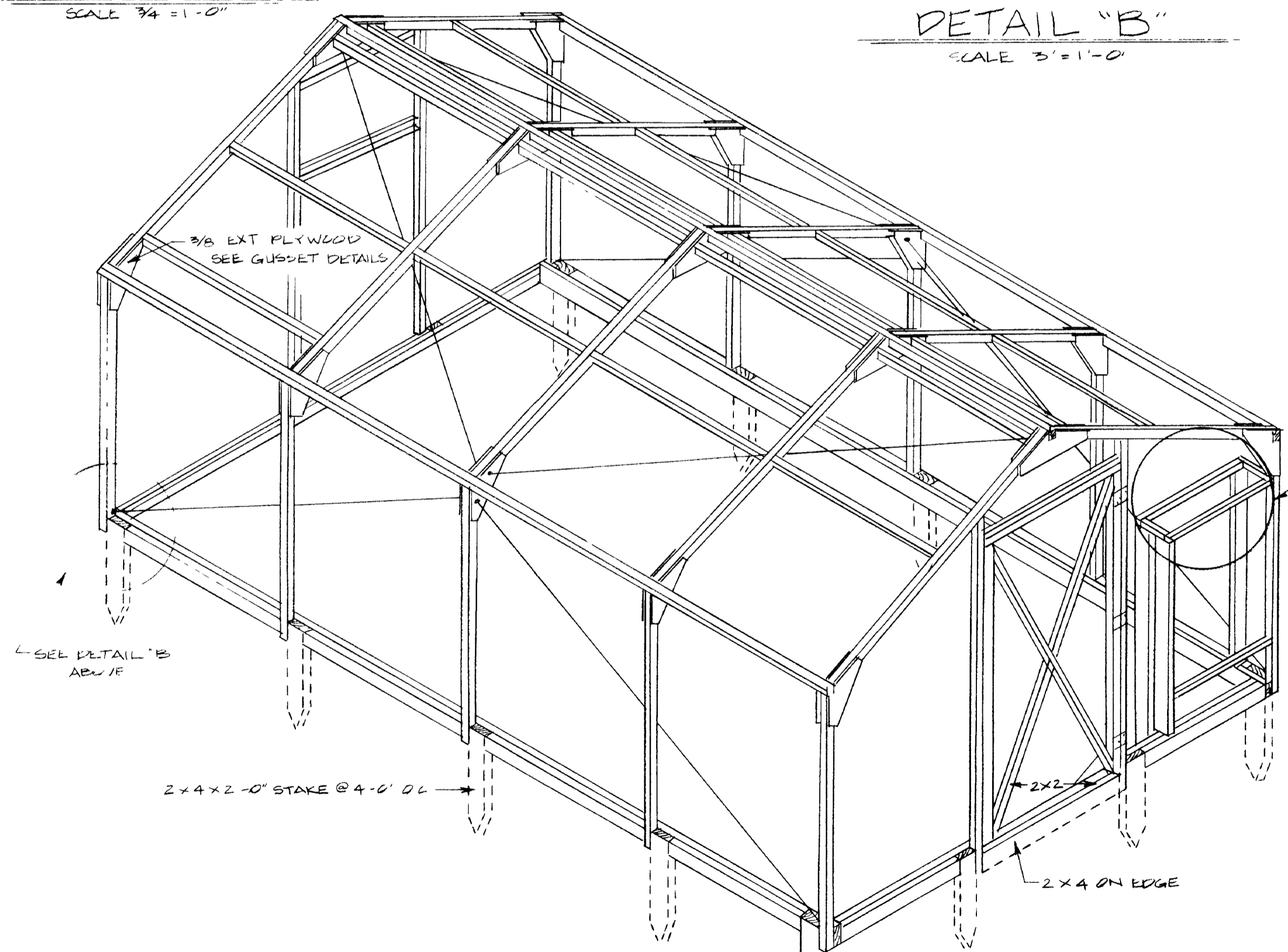
OPEN BENCH
SCALE 3/4" = 1'-0"



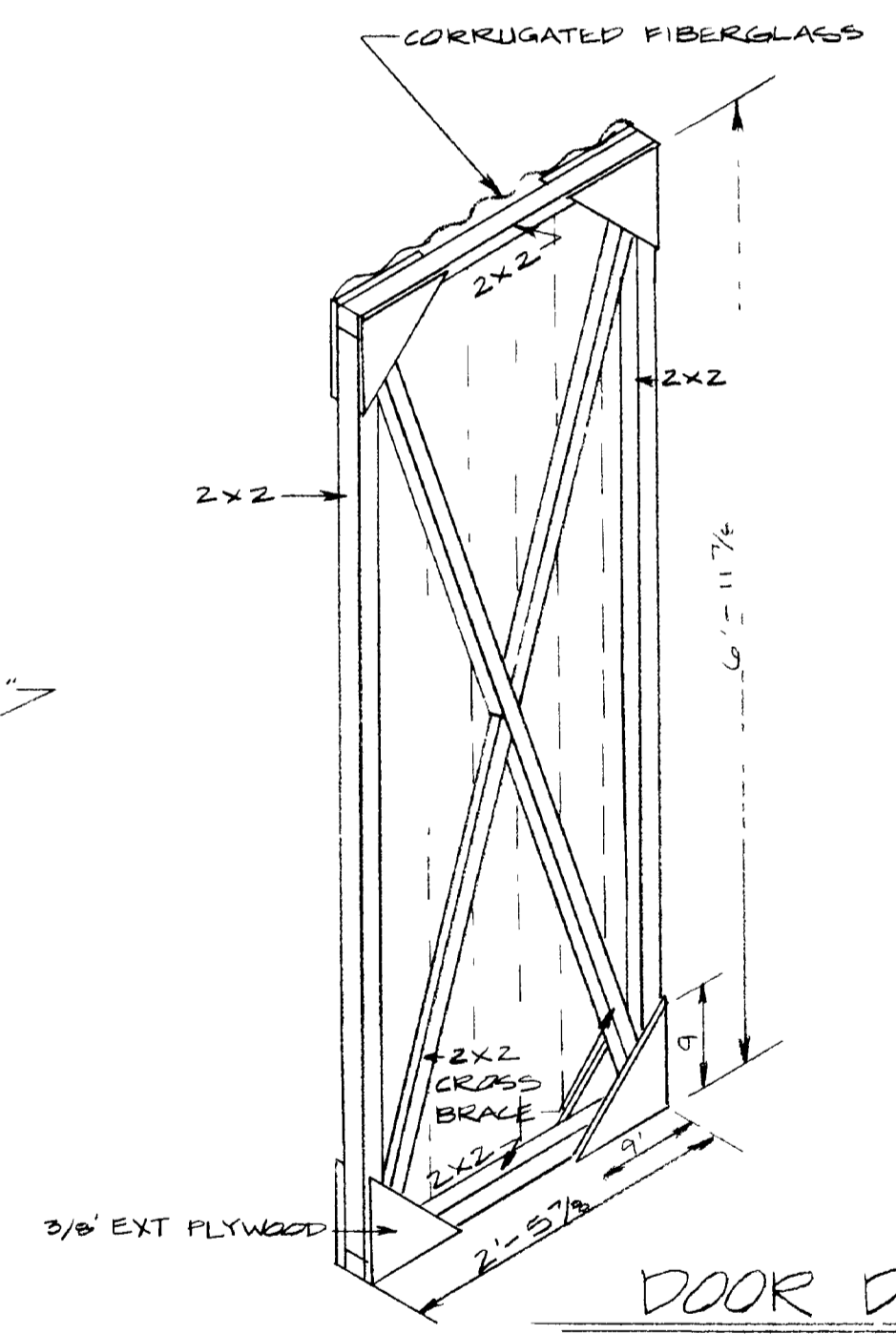
DETAIL "B"
SCALE 3" = 1'-0"



DETAIL "C"
SCALE 1/2" = 1'-0"



ISOMETRIC VIEW



DOOR DETAIL
SCALE 3/4" = 1'-0"

<h2>KENTUCKY HOBBY GREENHOUSE</h2>	
COOPERATIVE EXTENSION SERVICE AGRICULTURE AND HOME ECONOMICS DEPARTMENT OF AGRICULTURAL ENGINEERING COLLEGE OF AGRICULTURE UNIVERSITY OF KENTUCKY AND U.S. DEPARTMENT OF AGRICULTURE COOPERATING	
	DESIGNED BY J. N. WALKER CHECKED BY DRAWN BY E. ELLIOTT DATE MAY 1968 REVISIONS AUG 1985
SHEET 2 OF 3 PLAN NUMBER KY. II. 771-8	

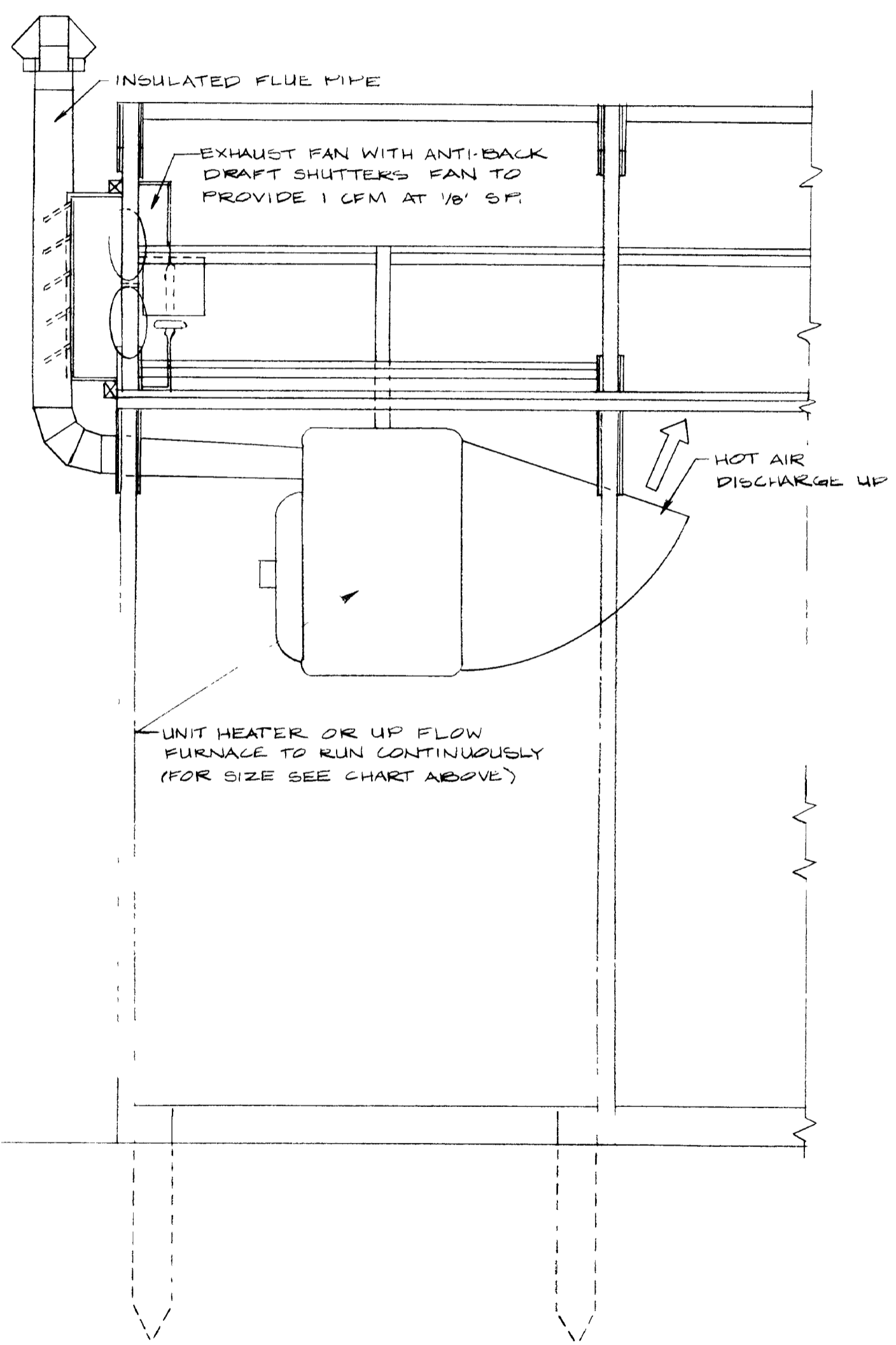
HEATER SIZE BASED ON INSIDE TEMPERATURE OF 60°
W/2 LAYERS OF PLASTIC W/SINGLE LAYER ONLY

GREENHOUSE 10 x 12' = 17,682 BTU/HR	28,000 BTU/HR
GREENHOUSE 10' x 16' = 21,546 BTU/HR	32,000 BTU/HR
GREENHOUSE 10 x 20' = 25,830 BTU/HR	39,000 BTU/HR

EXHAUST FAN SIZE

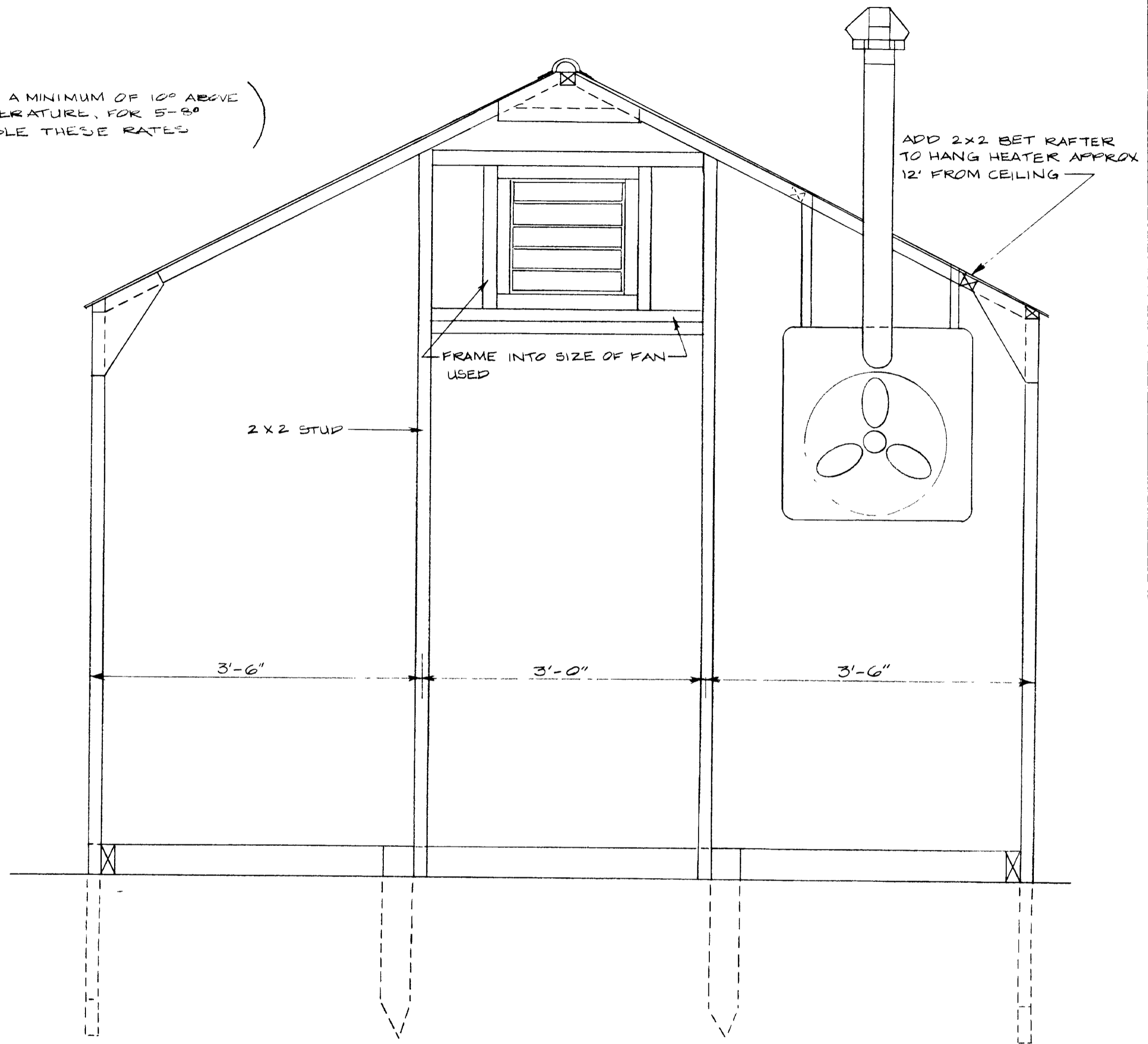
GREENHOUSE 10 x 12' = 870 CFM @ 1/8" SP
GREENHOUSE 10 x 16' = 1160 CFM @ 1/8" SP
GREENHOUSE 10 x 20' = 1450 CFM @ 1/8" SP

(FOR HOLDING INSIDE A MINIMUM OF 10° ABOVE THE OUTSIDE TEMPERATURE, FOR 5-8° DIFFERENCE DOUBLE THESE RATES)



SIDE ELEVATION

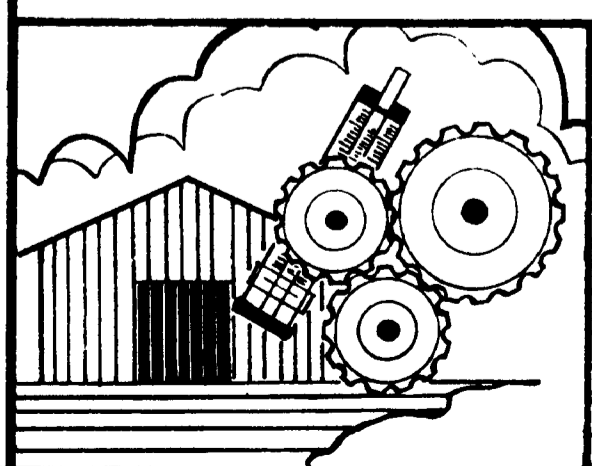
SCALE 1" = 1'-0"



END ELEVATION

SCALE 1" = 1'-0"

KENTUCKY HOBBY GREENHOUSE



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 DEPARTMENT OF AGRICULTURAL ENGINEERING
 COLLEGE OF AGRICULTURE
 UNIVERSITY OF KENTUCKY
 AND
 U S DEPARTMENT OF AGRICULTURE COOPERATING

DESIGNED BY J N WALKER	SHEET 3 OF 3
CHECKED BY	PLAN NUMBER
DRAWN BY S ELLIOTT	KY. II. 771-8
DATE MAY 1968	
REVISIONS AUG 1935	