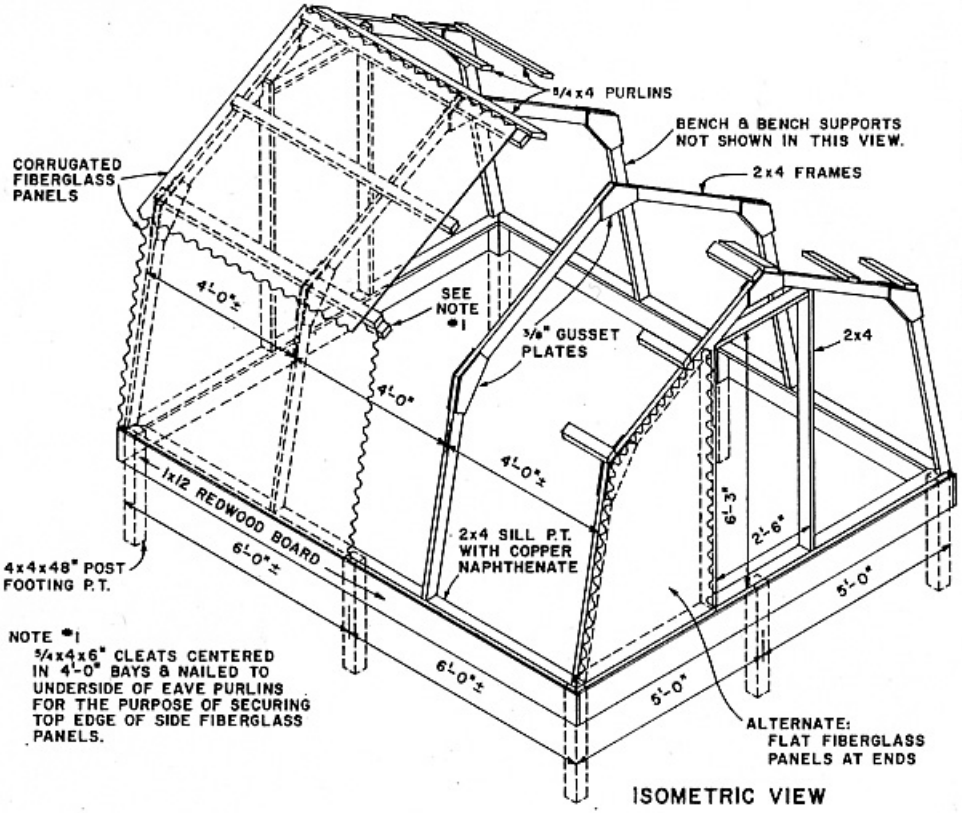
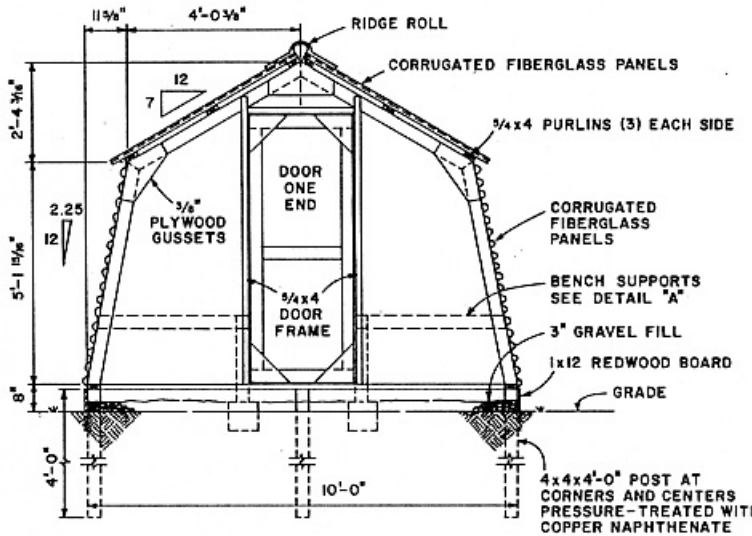
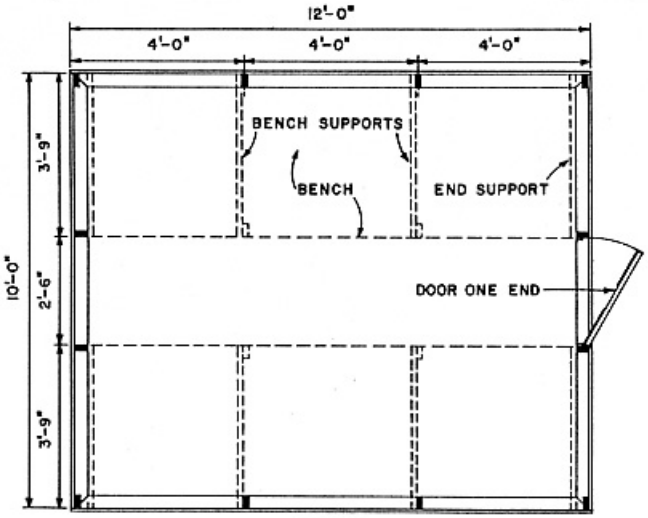


NOTE *1
5/4x4x6" CLEATS CENTERED IN 4'-0" BAYS & NAILED TO UNDERSIDE OF EAVE PURLINS FOR THE PURPOSE OF SECURING TOP EDGE OF SIDE FIBERGLASS PANELS.

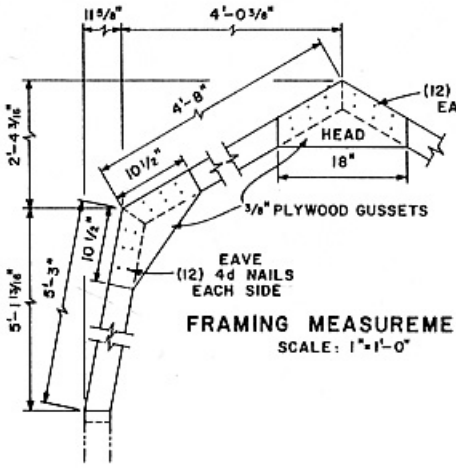
ISOMETRIC VIEW



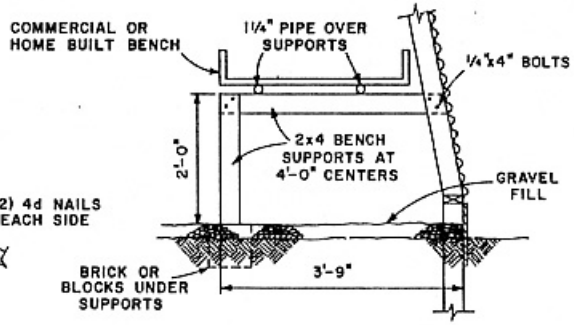
CROSS SECTION
SCALE: ½"=1'-0"



PLAN
SCALE: ½"=1'-0"



FRAMING MEASUREMENTS
SCALE: 1"=1'-0"



DETAIL "A"
SCALE: ¾"=1'-0"

REVISED APRIL 1975

BASED ON: UNIV. OF ILL. CIR. 880
& RUTGERS PLAN NO. 158

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
STATE OF TENNESSEE
UNIVERSITY OF TENNESSEE
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

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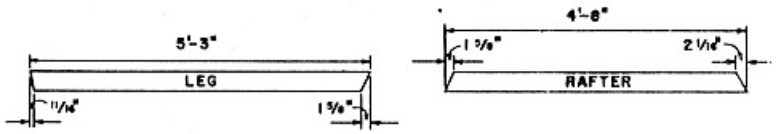
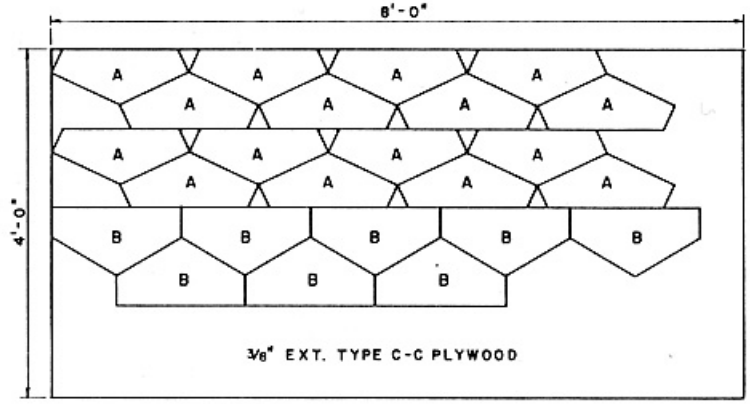


FRAME CUTTING LAYOUT (CUT FROM (8) 2x4x10')

SCALE: 3/4"=1'-0"



PLYWOOD SHEET CUTTING DIAGRAM

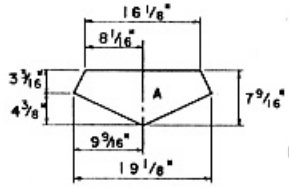
SCALE: 1"=1'-0"

BILL OF MATERIALS

CORRUGATED FIBERGLASS REINFORCED PANELS (F.R.P.) *
5 OZ. COATING:

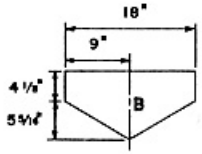
ROOF PANELS	(6) 2'x10' CUT IN HALF
SIDE PANELS	(5) 2'x12', 2 SHEETS EACH SIDE 5 TH SHEET CUT LENGTHWISE
END PANELS	(9) 2'x8' OF WHICH 5 ARE LOCATED AT END WITH NO DOOR
RIDGE ROLL	(1) 12' LENGTH

LUMBER:
(8) 2x4x10' TO MAKE FRAMES
(2) 2x4x10' SILL AT ENDS (P.T. COPPER NAPHTHENATE)
(2) 2x4x12' SILL AT SIDES (P.T. COPPER NAPHTHENATE)
(2) 2x4x16' END FRAMING
BENCH SUPPORTS NOT INCLUDED
(8) 3/4"x4"x12' FOR PURLINS & DOOR
(2) 4"x4"x16' P.T. POST FOR FOOTINGS
(2) 1"x12"x12' & (2) 1"x12"x10' REDWOOD BOARDS
(1) 4'x8'x3/8" EXTERIOR TYPE CC PLYWOOD SHEET FOR PLYWOOD GUSSETS. SEE CUTTING DIAGRAM.
* CHECK WITH FIBERGLASS SUPPLIER FOR NECESSARY RELATED HARDWARE & COVERING INSTRUCTIONS.
NAILS, HINGES & LATCH.



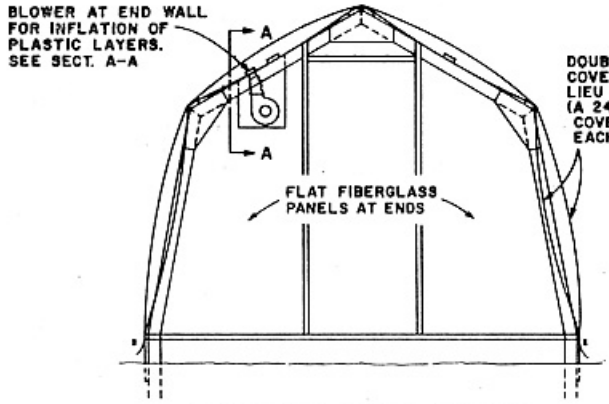
SIDE GUSSETS

16 REQ'D



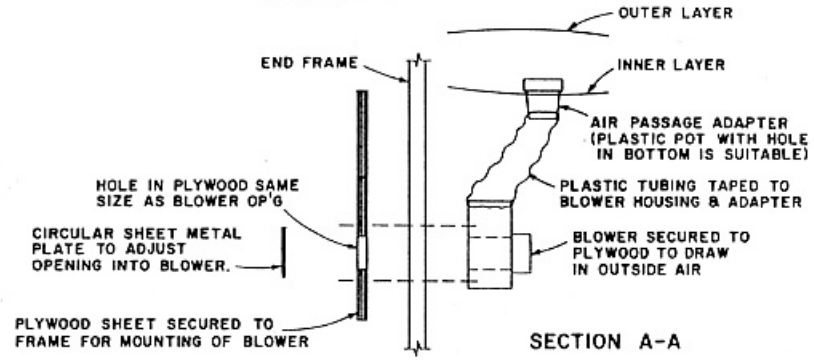
HEAD GUSSETS

8 REQ'D



ALTERNATE CROSS SECTION

SCALE: 1/2"=1'-0"



SECTION A-A

ENVIRONMENTAL CONTROL

HEATING:
TO MAINTAIN A TEMPERATURE DIFFERENCE OF 60° BETWEEN INSIDE & OUTSIDE
30,000 BTU/HR. SINGLE COVERING
20,000 BTU/HR. DOUBLE COVERING
CONNECTION TO HOME HEATING SYSTEM IS MOST DESIRABLE. IF NOT POSSIBLE, USE GAS OR OIL HEATER VENTED TO THE OUTSIDE. ELECTRIC HEATERS ARE EASY TO INSTALL, CLEAN, BUT EXPENSIVE TO OPERATE. WHEN USING OIL OR GAS, BE SURE TO PROVIDE A FRESH AIR SUPPLY DIRECTLY TO THE HEATER TO SUPPLY OXYGEN FOR COMBUSTION.
VENTILATING:
REQUIRE A TWO SPEED FAN RATED AT 1000 CFM. AN AUTOMATIC AIR INLET OF 2 SQ. FT. IS REQUIRED. THE FAN CAN BE MOUNTED IN ONE GABLE END AND AIR INLET IN THE OTHER. BOTH SHOULD BE CONTROLLED BY A THERMOSTAT.
FOR MORE INFORMATION SEE USDA BULLETIN NUMBER 357 "BUILDING HOBBY GREENHOUSES."

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