FRAME CUTTING LAYOUT (CUT FROM (8) 2x4x10')
SCALE: 1/4"=1'-0"

PLYWOOD SHEET CUTTING DIAGRAM
SCALE: 1"=1'-0"

BILL OF MATERIALS
CORRUGATED FIBERGLASS REINFORCED PANELS (P.R.R.)
3 OZ. COATING:
ROOF PANELS (6) 2x4x10' CUT IN HALF
SIDE PANELS (8) 2x4x10' SHEETS EACH SIDE
2ND SHEET CUT LENGTHWISE
END PANELS (2) 2x4x10' OF WHICH 6 ARE LOCATED AT END WITH NO DOOR
RIDGE ROLL (1) 12' LENGTH
LUMBER:
(6) 2x4x10' TO MAKE FRAMES
(2) 2x4x10' SILL AT ENDS (PT. COPPER NAPHTHRENATE)
(2) 2x4x12' SILL AT SIDES (PT. COPPER NAPHTHRENATE)
(2) 2x4x10' END FRAMING
BENCH SUPPORTS NOT INCLUDED
(6) 1x8x10' FOR PURLINING DOOR
(2) 4x4x10' PT. POST FOR FOOTINGS
(2) 1x2x10' & (2) 1x2x10' REDWOOD BOARDS
(1) 4x8x10' EXTERIOR TYPE CG FLYWOOD SHEET FOR PLYWOOD GUSSETS. SEE CUTTING DIAGRAM.
* CHECK WITH FIBERGLASS SUPPLIER FOR NECESSARY RELATED HARDWARE & COVERING INSTRUCTIONS.
NAILS, HINGES & LATCH.

BLOWER AT END WALL FOR INFLATION OF PLASTIC LAYERS. SEE SEC. A-A

ALTERNATE CROSS SECTION
SCALE: 1/4"=1'-0"

PLASTIC TUBING TAPED TO BLOWER HOUSING & ADAPTER

CIRCULAR SHEET METAL PLATE TO ADJUST OPENING INTO BLOWER.

HOLE IN PLYWOOD SAME SIZE AS BLOWER O.P.D.

PLYWOOD SHEET SECURED TO FRAME FOR MOUNTING OF BLOWER

ENVIRONMENTAL CONTROL
HEATING:
TO MAINTAIN A TEMPERATURE DIFFERENCE OF 50° BETWEEN INSIDE & OUTSIDE
30,000 BTU/HR. SINGLE COVERING
50,000 BTU/HR. DOUBLE COVERING

CONNECTION TO HOME HEATING SYSTEM IS MOST DESIRABLE. IF NOT POSSIBLE, USE GAS OR OIL. HEATERS VENTED TO THE OUTSIDE. ELECTRIC HEATERS ARE EASY TO INSTALL, CLEAR, 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 THERMOMETER.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
STATE OF TENNESSEE
UNIVERSITY OF TENNESSEE
AND
HOME GREENHOUSE
N.J. '74 6181 SHEET 2 OF 2
AGRICULTURAL ENGINEERING DEPARTMENT