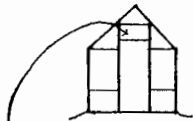
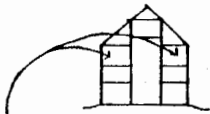


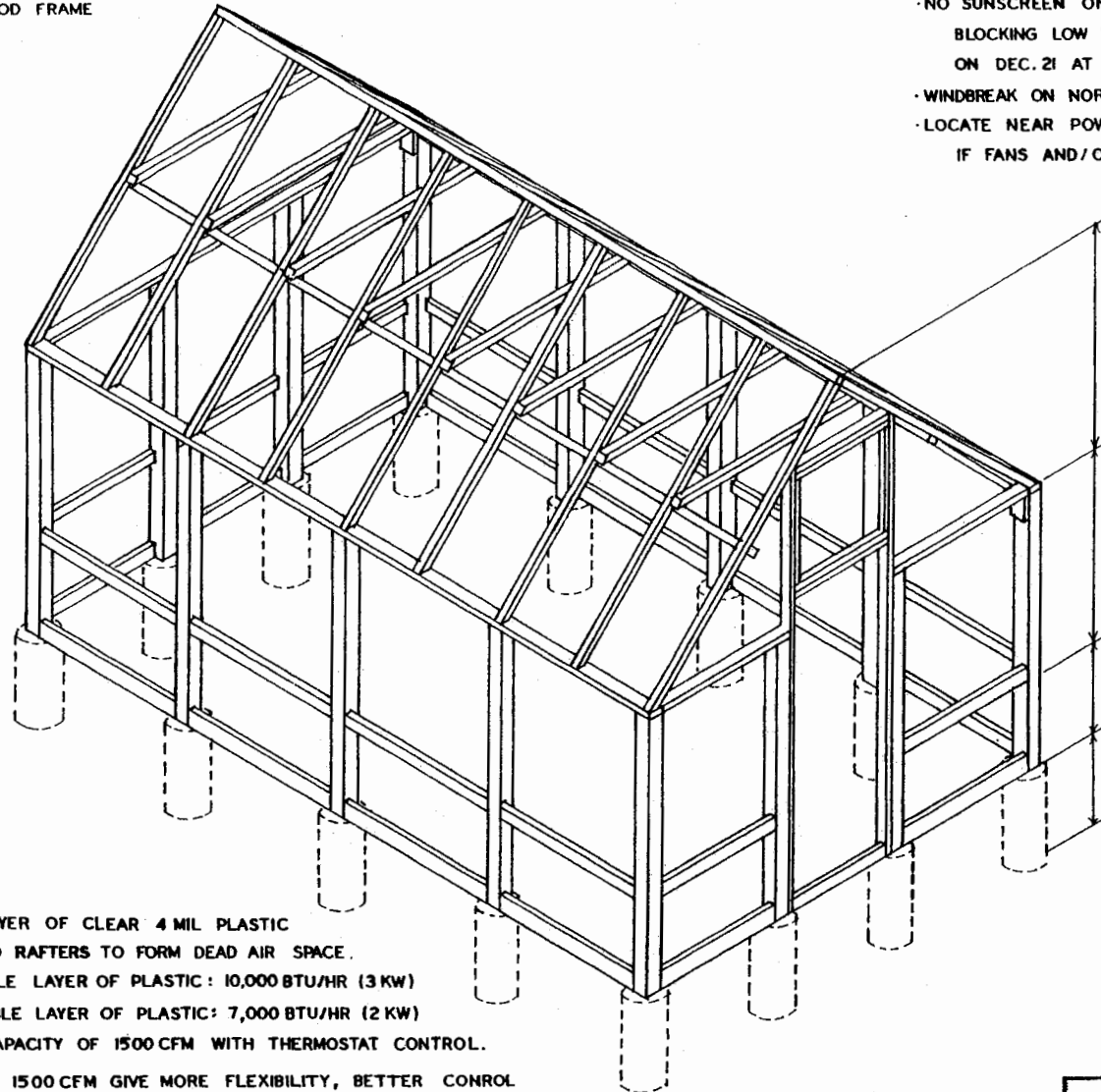
DETAIL



LOCATION OF ONE FAN



LOCATION OF TWO FANS



**LOCATION:**

- HIGH GROUND TO DRAIN AWAY FROM GREENHOUSE
- NORTH-SOUTH ORIENTATION OF RIDGELINE
- NO SUNSCREEN ON SOUTH, EAST, OR WEST SIDES  
BLOCKING LOW WINTER SUN (MINIMUM SUN ANGLE  
ON DEC. 21 AT NOON IS ABOUT 30° IN LA.)
- WINDBREAK ON NORTH SIDE
- LOCATE NEAR POWER SOURCE (ELECTRICITY, GAS)  
IF FANS AND/OR HEATERS ARE TO BE USED.

**ENVIRONMENTAL CONTROLS:**

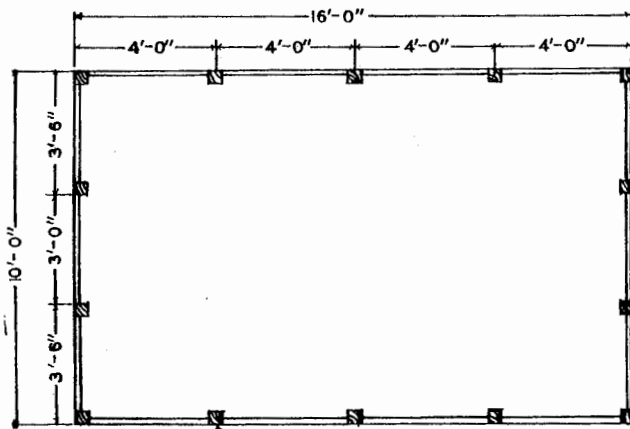
- WINTER USE - STAPLE 2ND LAYER OF CLEAR 4 MIL PLASTIC  
TO INSIDE OF POSTS AND RAFTERS TO FORM DEAD AIR SPACE.
- HEATING - PROVIDE FOR SINGLE LAYER OF PLASTIC: 10,000 BTU/HR (3 KW)  
PROVIDE FOR DOUBLE LAYER OF PLASTIC: 7,000 BTU/HR (2 KW)
- FANS - PROVIDE MAXIMUM CAPACITY OF 1500 CFM WITH THERMOSTAT CONTROL.
- TWO FANS TOTALING 1500 CFM GIVE MORE FLEXIBILITY, BETTER CONTROL  
AND LESS TOTAL ENERGY CONSUMPTION.
- LOCATE TO EXHAUST TO THE NORTH (THE DIRECTION OF  
PREVAILING SUMMER BREEZES).

FRAMING ISOMETRIC



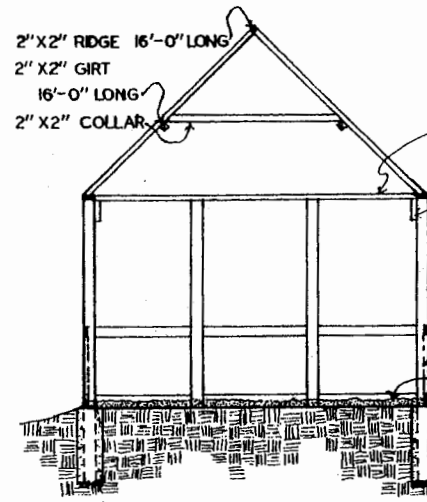
**PLASTIC - COVERED GREENHOUSE**

ENGINEER JWB	SCALE $\frac{1}{2}$ FEET
DRAWN BY KEME	SHEET 1 OF 2
TRACED BY	DATE 5-81 NO. 48-6



4" X 4" POSTS 8'-0" LONG  
PRESSURE TREATED  
SET 2'-0" IN CONCRETE

FLOOR PLAN



· ADD A BACK VENT FOR COOLING ON HOT WINTER DAYS OR TO INCREASE NATURAL CONVECTION IF FANS ARE NOT USED.

2" X 4" PLATE  
LEDGER SUPPORTS PLATE OR NOTCH ENDS TO FIT

2" X 4" GIRT  
· FOR SUMMERTIME VENTILATION, REMOVE PLASTIC BETWEEN GIRT AND GROUND, EXPOSING SCREEN.

ALUMINUM OR FIBERGLASS SCREEN TO KEEP INSECTS OUT

3" TO 4" SAND

2" X 6"

2"-3" GRAVEL UNDER POSTS, HOLES BACKFILLED WITH CONCRETE

· CONCRETE IS OPTIONAL WHERE POSTS ARE SET IN A FIRM SOIL AND WELL TAMPED.

· ALL LUMBER SHOULD BE PRESSURE TREATED; WATER-BORNE SALT PRESERVATIVES ARE PREFERRED TO CREOSOTE AND PCP.

· 2" X 2" LUMBER USUALLY HAS KNOTS AND WARPS EASILY UNLESS PROPERLY STORED

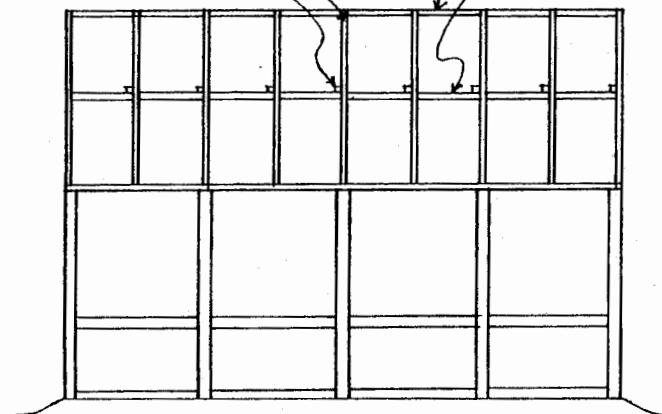
· USE CARE IN FASTENING TO AVOID SPLITS

· USE GALVANIZED OR ALUMINUM FASTENERS.

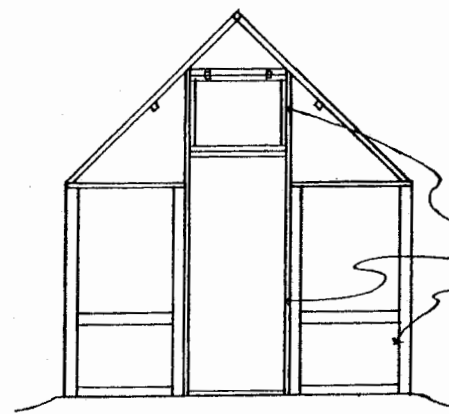
· PREDRILLED HOLES FOR 6d OR 8d NAILS OR WOOD SCREWS CAN BE USED SAFELY.

· USE UV RESISTANT 6 MIL PLASTIC FOR ROOF AND SIDEWALLS (SEE ATTACHMENT DETAIL-SHEET ONE).

2" X 2" RAFTERS 7'-0" LONG  
2" X 2" COLLAR 5'-0" LONG



SIDE ELEVATION



HINGED VENT, 1'-11" X 2'-8", 2" X 2" LUMBER

2" X 4" DOOR FRAME FOR 32" X 80" DOOR

USE SCREEN VENTS ON FRONT WALL IF FANS ARE NOT USED.

END ELEVATION



**PLASTIC-COVERED GREENHOUSE**

ENGINEER JWB	SCALE 1/2" = 1' 2" FEET
DRAWN BY KEMS	SHEET 2 OF 2
TRACED BY	DATE 5-'81 NO. 48-6

## Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.