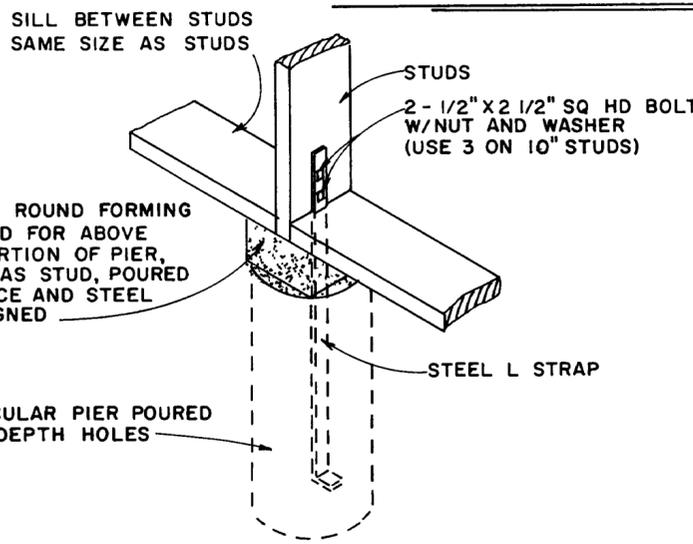
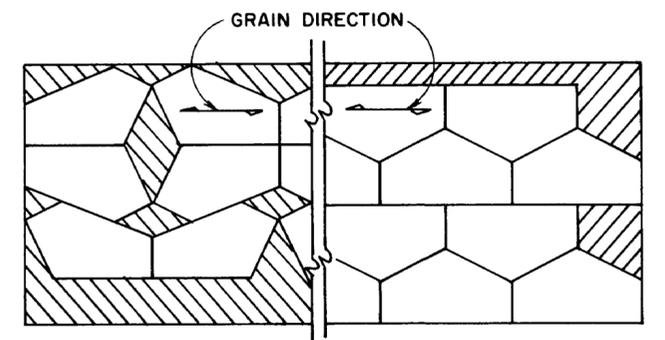


**GUSSET DETAILS AND NAIL LOCATION**

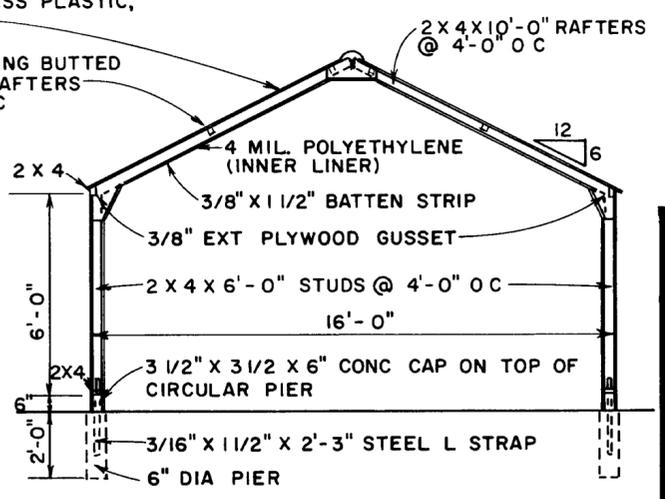
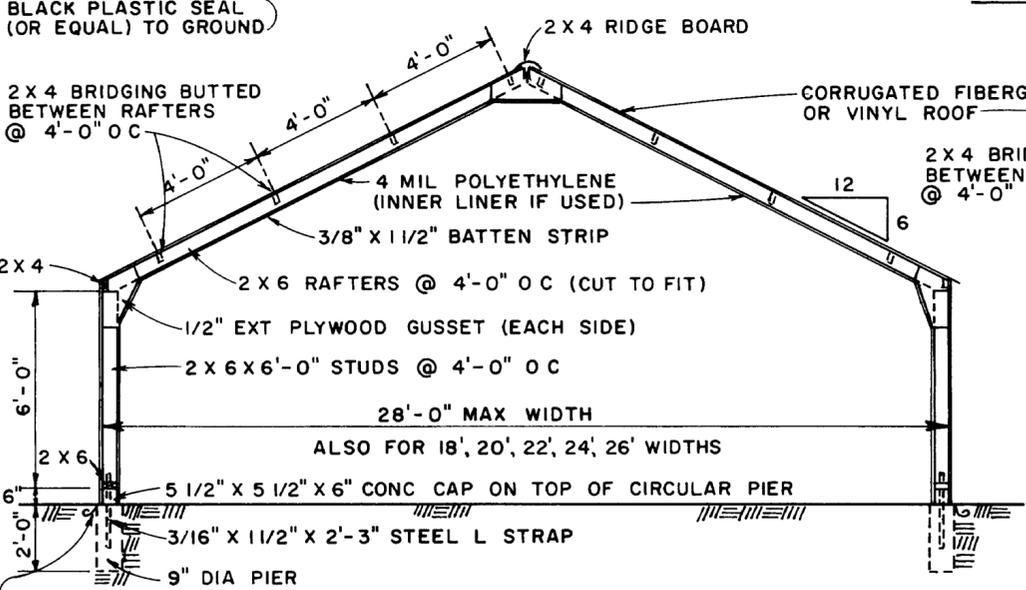
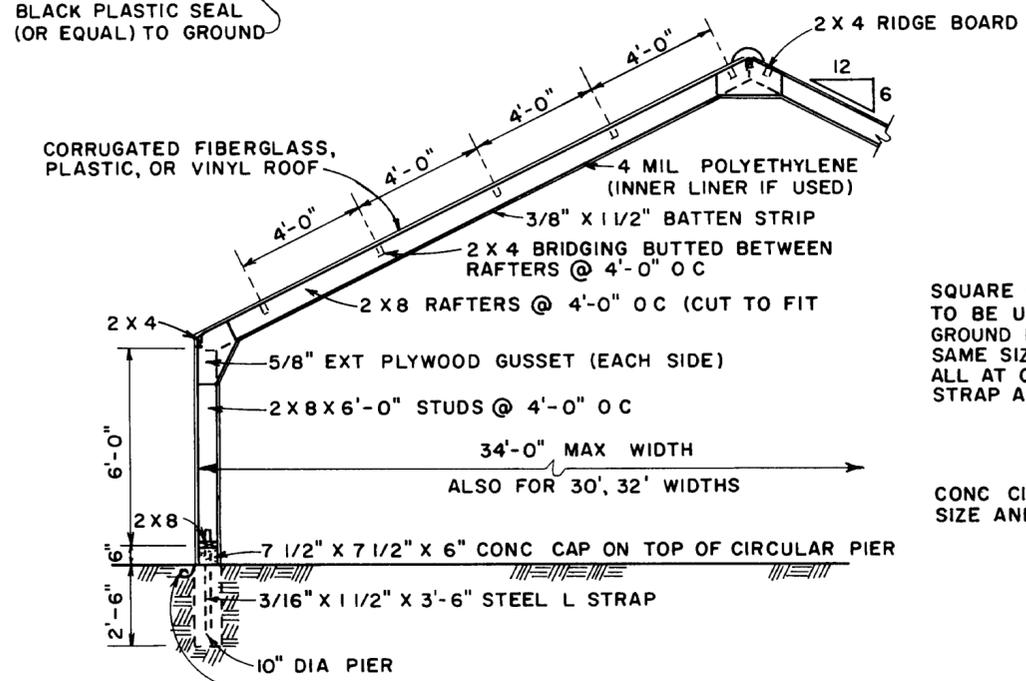
SCALE 3/4" = 1'-0"



**PIER AND STRAP DETAIL**



**TYPICAL GUSSET CUTTING DIAGRAM**

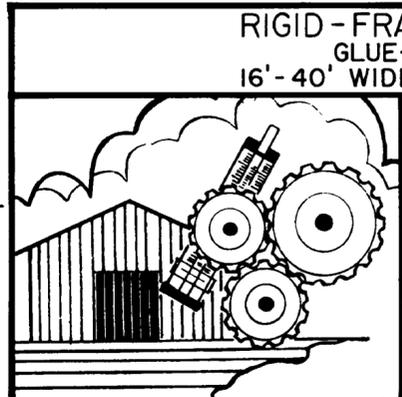


**CROSS SECTIONS FOR 4'-0" O C SPACING**

SCALE 1/4" = 1'-0"

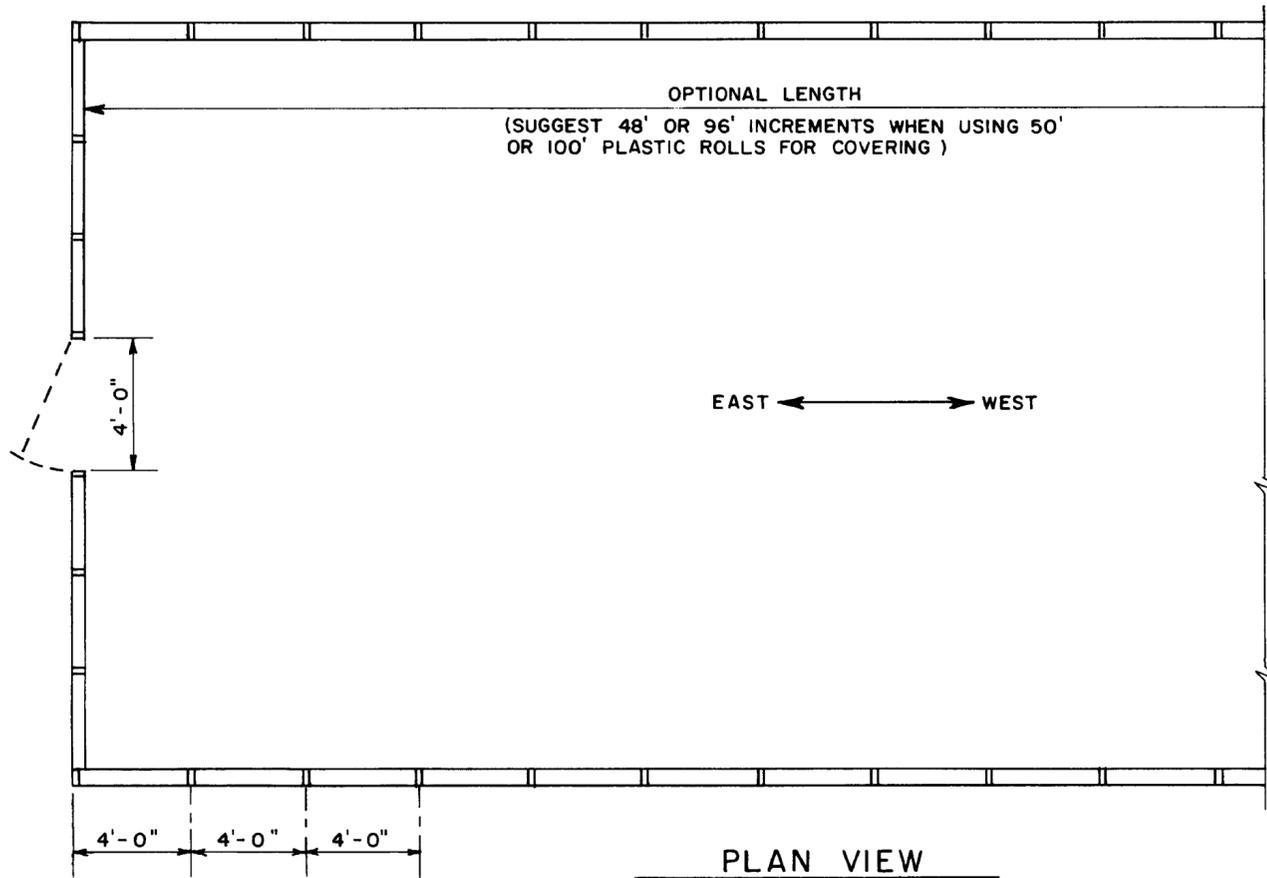
**NOTES**

- 1 LUMBER SHALL BE KILN-DRIED, CONSTR OR STD D FIR, NO 1 OR 2 S Y PINE, OR EQUAL ANY MINOR DEFECTS SHOULD BE LOCATED IN UPPER 2/3 OF RAFTER OR LOWER 1/2 OF STUD
- 2 PLYWOOD SHALL BE EXTERIOR A-C GRADE, THICKNESS AS SHOWN
- 3 FOR LONG LIFE, LUMBER AND PLYWOOD SHOULD BE PRESSURE TREATED WITH AN APPROPRIATE SALT-TYPE PRESERVATIVE (SEPARATE SPECIFICATIONS AVAILABLE)
- 4 USE AT LEAST SIZE AND NUMBER OF NAILS SHOWN TO ENSURE ADEQUATE STRUCTURE STRENGTH
- 5 APPLY TWO COATS EXTERIOR WHILE PAINT (BLISTER RESISTANT TYPE) AFTER ASSEMBLY FOR LIGHT REFLECTION AND APPEARANCE

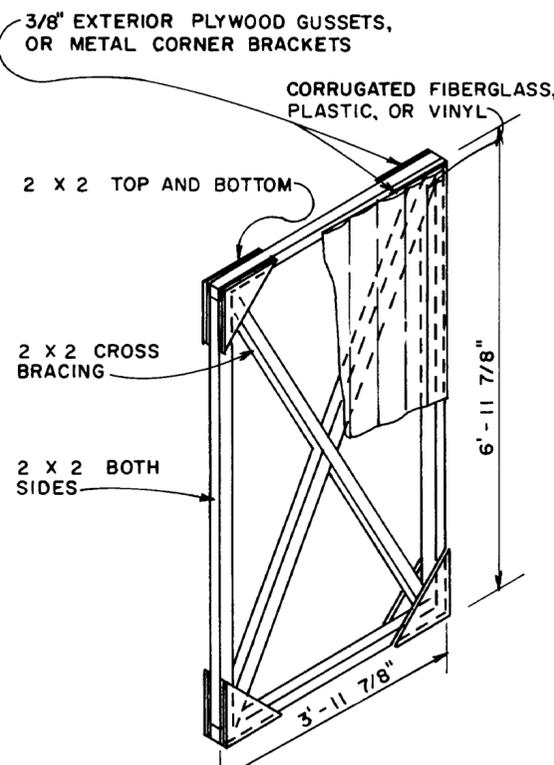
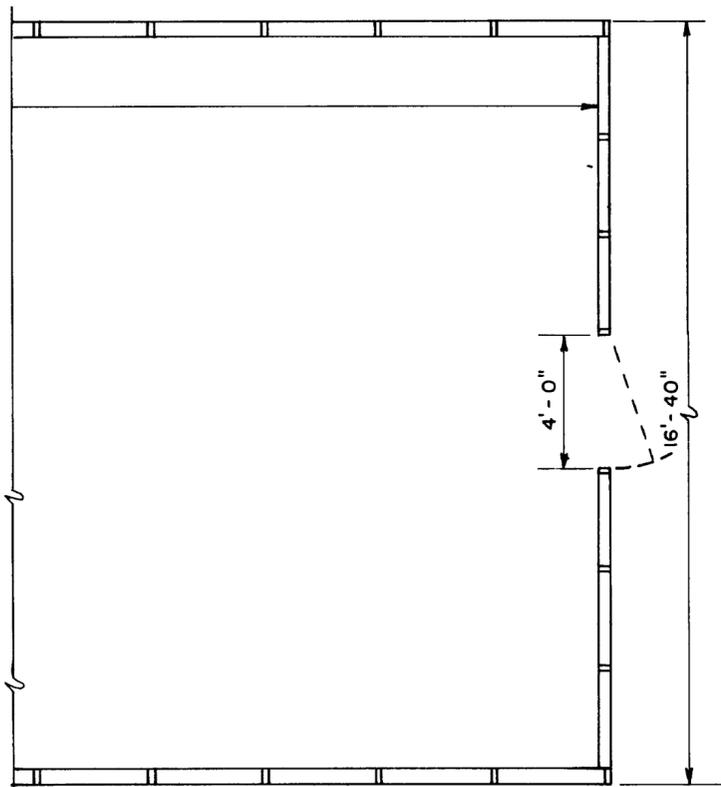


**RIGID-FRAME GREENHOUSE  
GLUE-NAIL GUSSETS  
16'-40' WIDE - 4' FRAME SPACING**

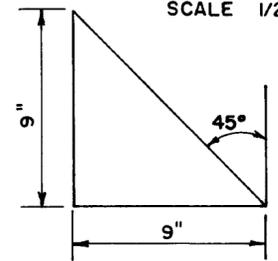
|  |                       |
|--|-----------------------|
| COOPERATIVE EXTENSION SERVICE<br>AGRICULTURE AND HOME ECONOMICS<br>DEPARTMENT OF AGRICULTURAL ENGINEERING<br>COLLEGE OF AGRICULTURE<br>UNIVERSITY OF KENTUCKY<br>AND<br>U.S. DEPARTMENT OF AGRICULTURE COOPERATING |                       |
| DESIGNED BY J N WALKER   | SHEET 1 OF 2          |
| CHECKED BY G.A DUNCAN  | PLAN NUMBER           |
| DRAWN BY S ELLIOTT   | <b>KY. II. 771-1A</b> |
| DATE 4-79  |                       |
| REVISIONS 7-86   |                       |



**PLAN VIEW**  
SCALE 1/4"=1'-0"



**DOOR DETAIL**  
SCALE 1/2"=1'-0"

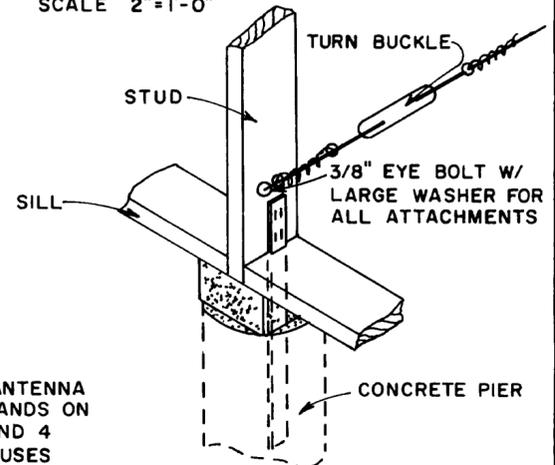
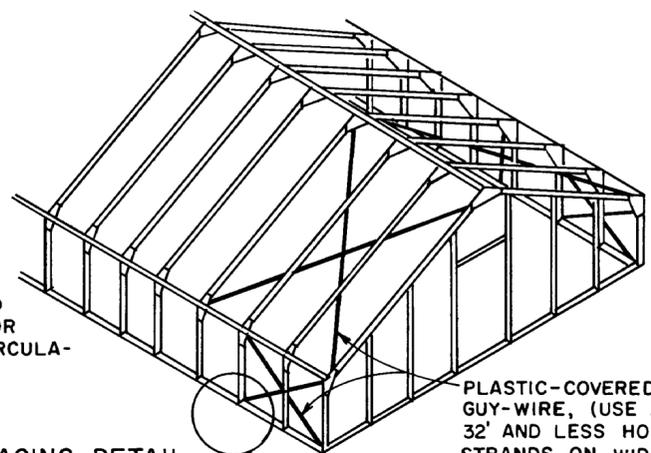


**DOOR GUSSET DETAIL**  
SCALE 2"=1'-0"

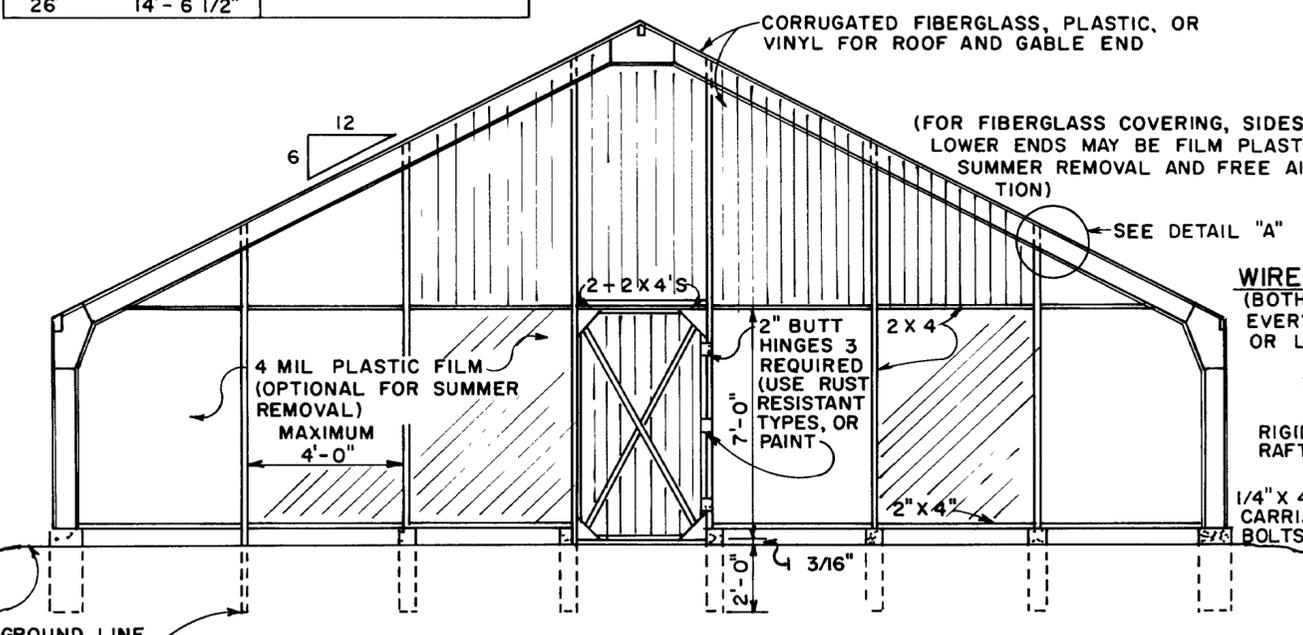
NOTE  
SEE PLAN KY II 811-7 OR AEW-7 FOR PLANS OF HEATING AND VENTILATING SYSTEMS

| RAFTER LENGTH VS WIDTH |            |          |            |
|------------------------|------------|----------|------------|
| WIDTH, W               | LENGTH, L  | WIDTH, W | LENGTH, L  |
| 12'                    | 6'-8 1/2"  | 28'      | 15'-8"     |
| 14'                    | 7'-10"     | 30'      | 16'-9 3/8" |
| 16'                    | 9'-0"      | 32'      | 17'-11"    |
| 18'                    | 10'-1"     | 34'      | 19'-0"     |
| 20'                    | 11'-2"     | 36'      | 20'-1 3/4" |
| 22'                    | 12'-3 1/2" | 38'      | 21'-3"     |
| 24'                    | 13'-5"     | 39'      | 21'-9 3/4" |
| 26'                    | 14'-6 1/2" |          |            |

| WIDTHS FOR STANDARD RAFTER LENGTHS |        |            |        |
|------------------------------------|--------|------------|--------|
| WIDTH                              | LENGTH | WIDTH      | LENGTH |
| 10'-8 3/4"                         | 6'     | 28'-7 1/4" | 16'    |
| 14'-3 1/2"                         | 8'     | 32'-2 1/4" | 18'    |
| 17'-10 1/2"                        | 10'    | 35'-9"     | 20'    |
| 21'-5 1/2"                         | 12'    | 39'-4"     | 22'    |
| 25'-0"                             | 14'    |            |        |

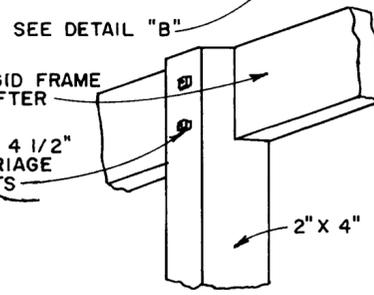


**DETAIL "B"**



**END ELEVATION**  
SCALE 1/4"=1'-0"

**WIRE BRACING DETAIL**  
(BOTH ENDS OF HOUSE AND EVERY 50' FOR HOUSES 100' OR LONGER)



**DETAIL "A"**  
SCALE 1 1/2"=1'-0"

**RIGID-FRAME GREENHOUSE**  
**GLUE-NAIL GUSSET**  
**16'-40' WIDE - 4' FRAME SPACING**

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

|                      |                       |
|----------------------|-----------------------|
| DESIGNED BY J WALKER | SHEET 2 OF 2          |
| CHECKED BY G J - GAD | PLAN NUMBER           |
| DRAWN BY S ELLIOTT   | <b>KY. II. 771-1A</b> |
| DATE 4-74            | REVISIONS 7-86        |