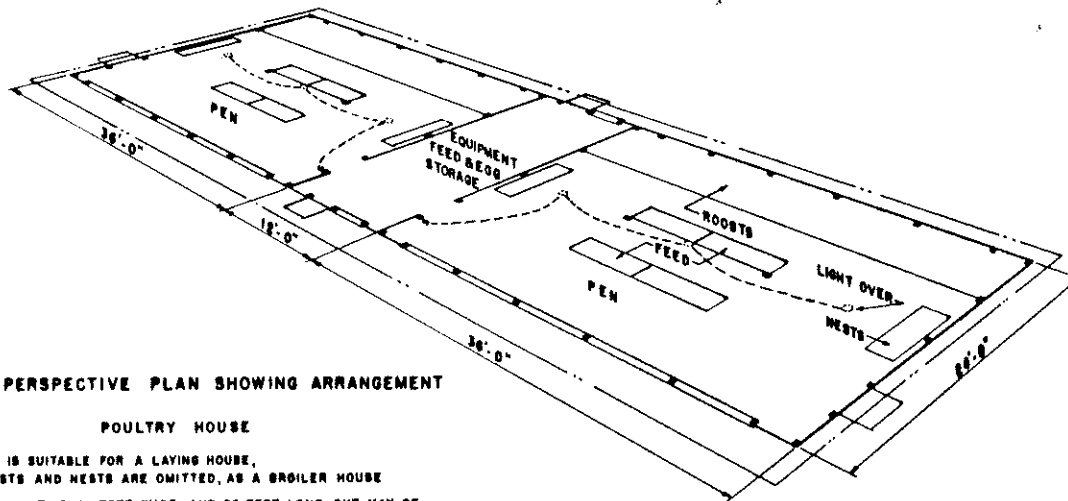


VIEW OF TWO PEN POULTRY HOUSE WITH CENTER FEED ROOM



PERSPECTIVE PLAN SHOWING ARRANGEMENT

POULTRY HOUSE

- THIS PLAN IS SUITABLE FOR A LAYING HOUSE, OR IF ROOSTS AND NESTS ARE OMITTED, AS A BROILER HOUSE
- THE BASIC UNIT IS 24 FEET WIDE AND 36 FEET LONG BUT MAY BE BUILT IN ANY LENGTH IN INCREMENTS OF 12 FEET
- FLOOR AREA OF BASIC UNIT ..... 864 SQ. FT.
- CAPACITY OF BASIC UNIT:  
 WHEN USED AS LAYING HOUSE—200 BIRDS (4 SQ. FT. PER BIRD)  
 WHEN USED AS BROILER HOUSE—1073 " (1 1/4 SQ. FT. PER BIRD)
- VENTILATION  
 REAR WALL ..... 71 SQ. FT. (8% OF FLOOR AREA)  
 FRONT WALL ..... 155 SQ. FT. (18% OF FLOOR AREA)
- ROOSTS ..... 148 LIN. FT. (8 1/2" PER BIRD)
- NESTS ..... TWO UNITS 16 NESTS EACH (8.6 BIRDS PER NEST)

ESTIMATE OF MATERIALS  
(FOR ONE PEN UNIT ONLY)

CONCRETE (1:3:5 MIX)	
FOUNDATION, PIERS & SLAB .....	14.8 CU. YDS.
(QUANTITY BASED ON LEVEL SITE & MIN. 16" DEPTH)	
LUMBER	
COLUMNS .....	4" x 4" x 10' ..... 8 PIECES
POSTS .....	4" x 4" x 10' ..... 8
.....	4" x 4" x 8' ..... 16
GIRDER .....	2" x 8" x 12' ..... 6
RAFTER, FRONT .....	2" x 6" x 12' ..... 19
..... REAR .....	2" x 6" x 14' ..... 10
LINTELS, WINDOW SILL, SCABS .....	2" x 8" x 12' ..... 16
SILLS, SITS, SCABS, ROOSTS .....	2" x 4" x 12' ..... 96
ROOSTS .....	2" x 2" x 12' ..... 18
DIAGONAL CORNER BRACES, ROOSTS .....	1" x 6" x 12' ..... 10
.....	1" x 6" x 10' ..... 2
VERGE FASCIA, FRONT .....	1" x 4" x 12' ..... 2
..... REAR .....	1" x 4" x 12' ..... 2
HINGED FRAMES, ROOSTS .....	1" x 4" x 12' ..... 18
DOOR BATTENS .....	1" x 4" x 10' ..... 10
.....	1" x 4" x 8' ..... 3
STOPS .....	1" x 2" x 12' ..... 5
ROOSTS .....	1" x 2" x 8' ..... 7
SIDING, DOORS & VENTS .. T.B.S. ....	1" x 6" ..... 1050 SQ. FT.
ROOF SHEATHING .....	1" x 8' ..... 1140

MISCELLANEOUS

RIGID WATERPROOF INSULATION .....	1/2" x 3" ..... 122 LIN. FT.
MOISTURE SEAL (18" ROOF FELT) .....	36" WIDE ..... 10 ROLLS
ROLL ROOFING (35", 19" SELVAGE) .....	..... 25
ROOFING CEMENT .....	..... 30 GAL.

HARDWARE

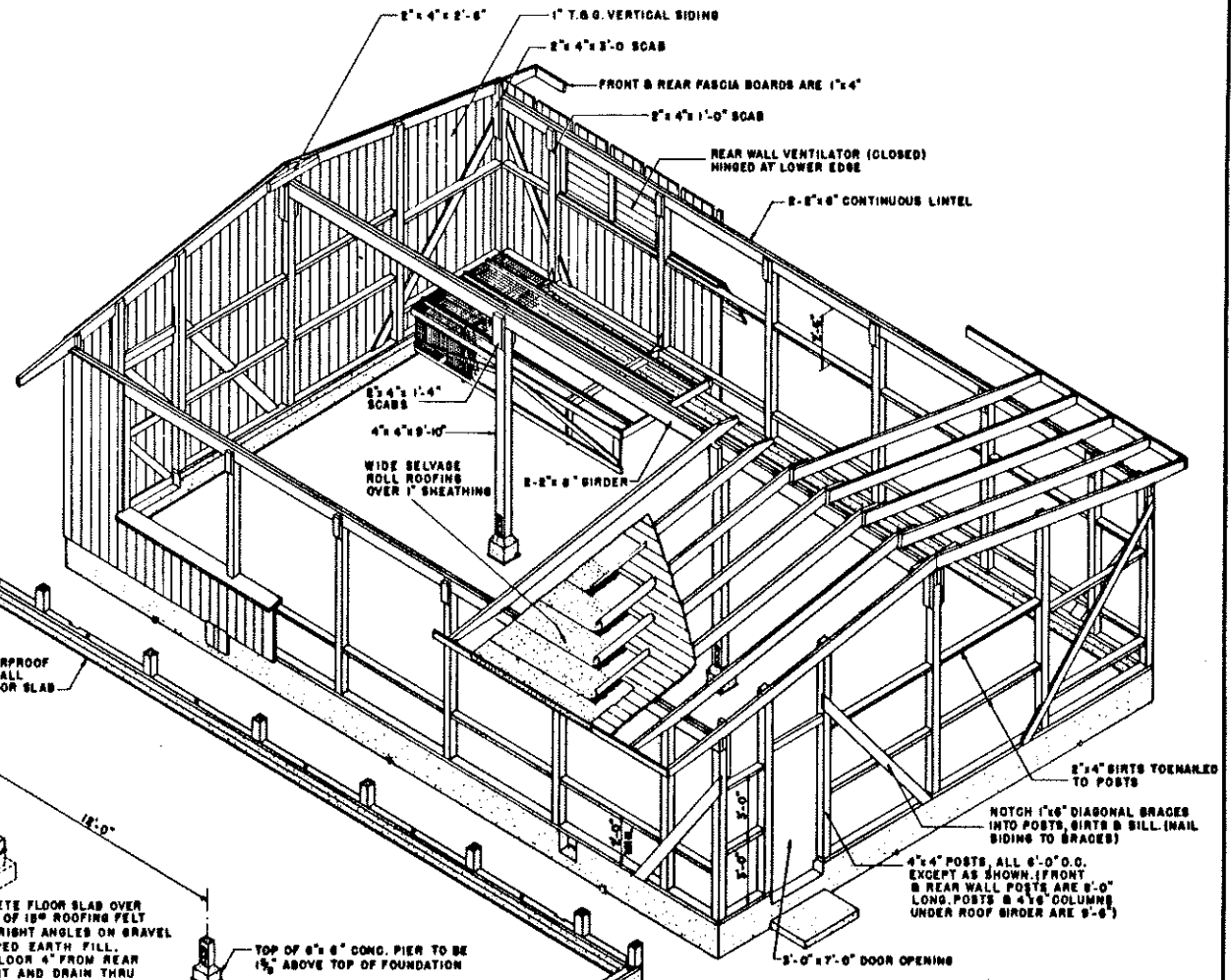
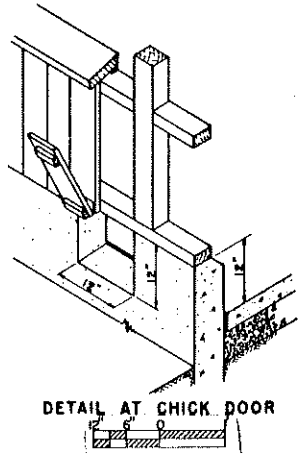
ANCHOR STRAPS, GALV. STEEL .....	1/2" x 2" x 30' ..... 8 PIECES
ANCHOR BOLTS .....	1/2" x 6" ..... 26
LAG SCREWS .....	1/2" x 3 1/2" ..... 6
NAILS, COMMON .....	16d ..... 16 LBS.
.....	12d ..... 12
.....	10d ..... 8
.....	8d ..... 35
.....	6d ..... 5
CASING .....	3/4" ..... 18
ROOFING, GALV. .....	1" ..... 13
STAPLES .....	1" ..... 5
WIRE MESH, GALV. (POULTRY NETTING) 1" x 1" .....	325 SQ. FT.
..... 16 GA. .....	180
HINGES, DOOR, GALV. STEEL "T" .....	6" ..... 16 EACH
ROOST .....	STRAP ..... 6
.....	"T" ..... 10
CHICK DOOR .....	BUTT ..... 4

PAINT, EXTERIOR ..... 5 GAL.

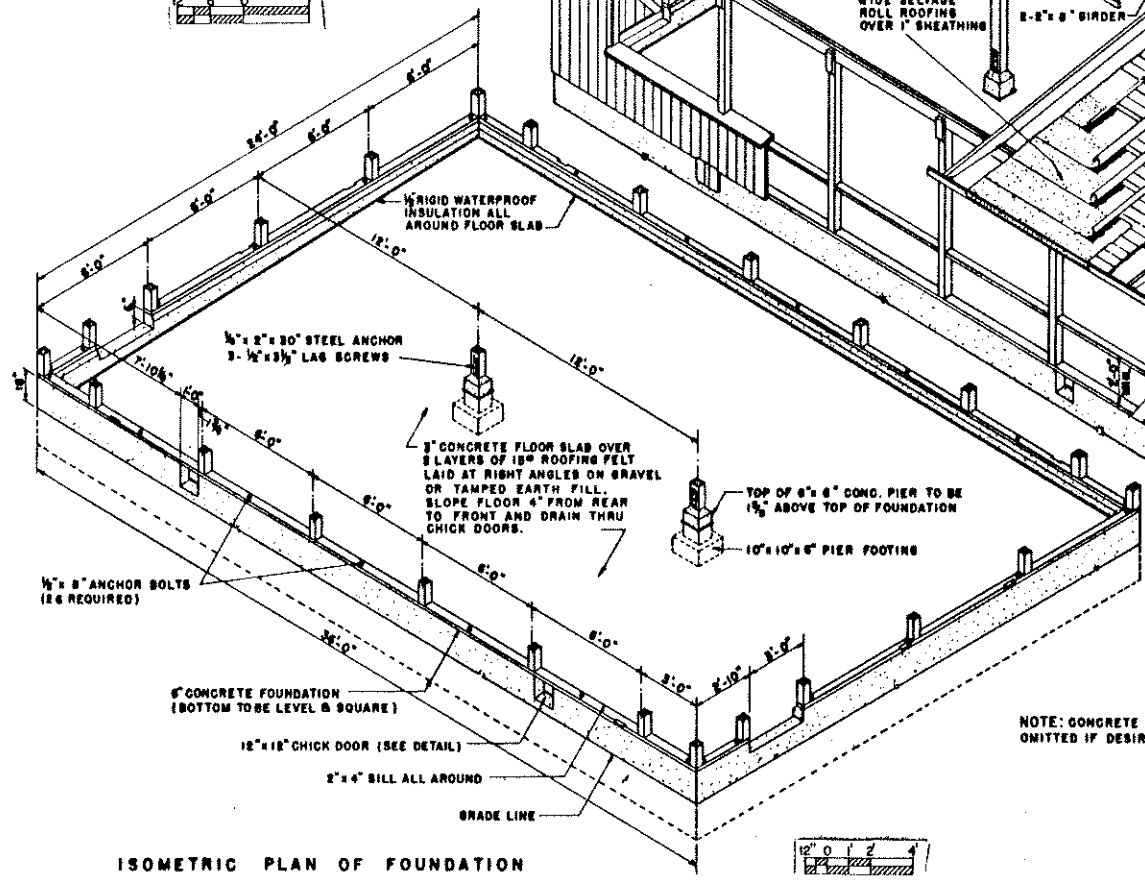
LIGHTS WITH REFLECTORS (CONTROLS TO SUIT) . 8

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS			
AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING			
<b>POULTRY HOUSE</b> 24' x 36'			
USDA	'51	EX. 5732	SHEET 1 OF 4

Poultry



**CUT-AWAY VIEW SHOWING CONSTRUCTION**

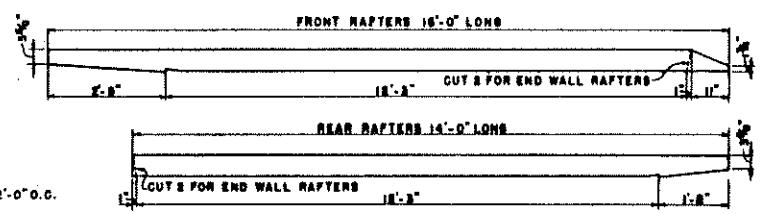
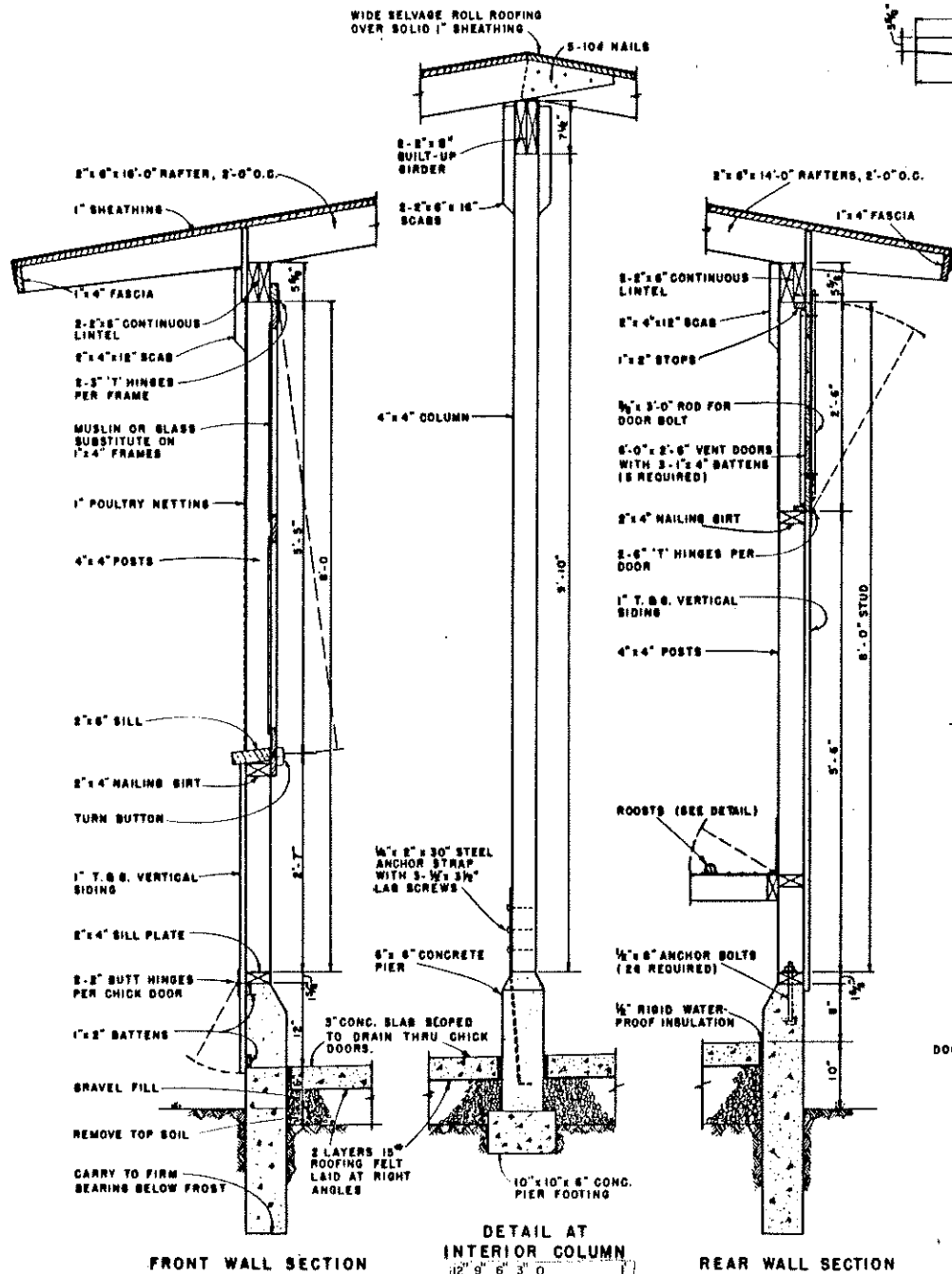


**ISOMETRIC PLAN OF FOUNDATION**

NOTE: CONCRETE FLOOR MAY BE OMITTED IF DESIRED.

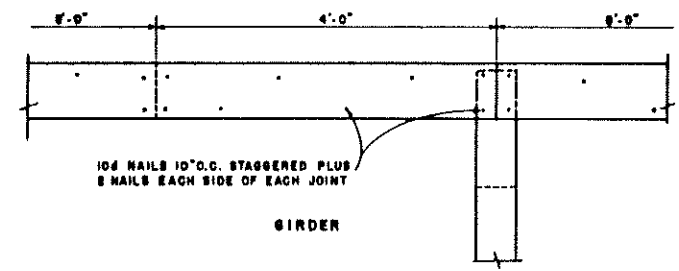
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS		
AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING		
POULTRY HOUSE		
24 x 36		
USDA '51	EX. 5732	SHEET 8 OF 4

POULTRY



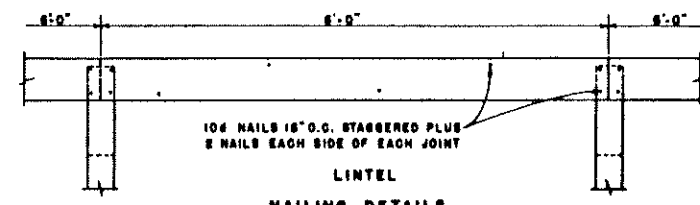
ALL RAFTERS ARE 2"x6", 2'-0" O.C. LAPPED AND NAILED TOGETHER AT RIDGE AND TO NAILED TO GIRDER AND LINTELS.

**RAFTER DETAILS**



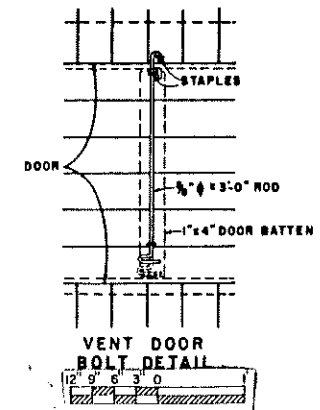
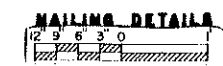
104 NAILS 10" O.C. STAGGERED PLUS 8 NAILS EACH SIDE OF EACH JOINT

**GIRDER**



104 NAILS 16" O.C. STAGGERED PLUS 8 NAILS EACH SIDE OF EACH JOINT

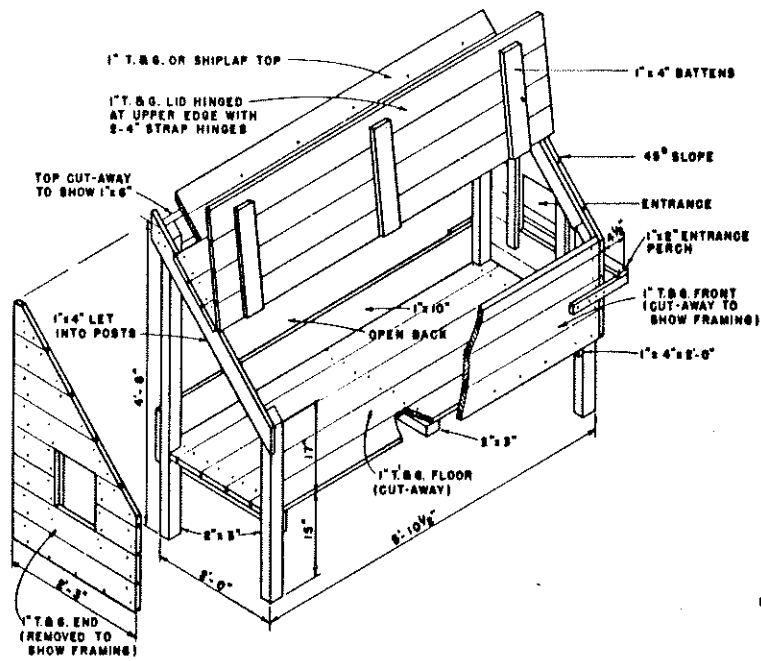
**LINTEL**



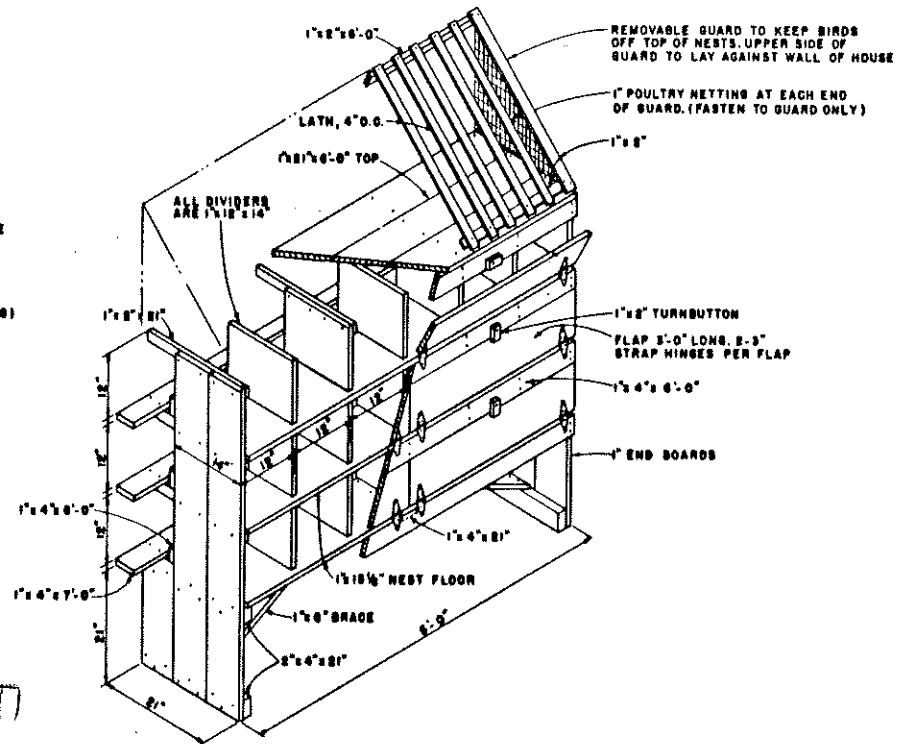
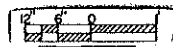
**VENT DOOR BOLT DETAIL**

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS			
AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIVE			
<b>POULTRY HOUSE</b>			
24' x 36'			
USDA	'61	EX. 5732	SHEET 3 OF 4

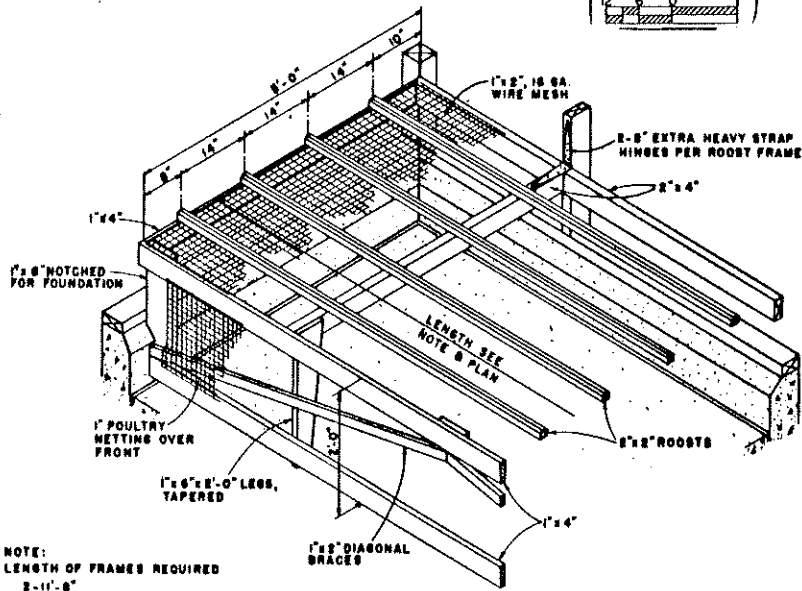
POULTRY



**COMMUNITY NEST DETAILS**  
 (CAPACITY 80 TO 90 BIRDS FOR LENGTH SHOWN)



**INDIVIDUAL NEST DETAILS**  
 (CAPACITY 90 TO 100 BIRDS FOR LENGTH SHOWN)



NOTE:  
 LENGTH OF FRAMES REQUIRED  
 2'-11"-0"  
 1'-12"-0"  
 LENGTH OF PERCH PER BIRD = 8 1/2"

**ROOST DETAIL**

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS	
480 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING	
POULTRY HOUSE EQUIPMENT	
USDA '51	EX. 5732 SHEET 4 OF 4

POULTRY