

**NOTES:**

**FASTENERS**

CEILING AND SIDING: NAIL 3/8" PLYWOOD WITH NON-CORROSIVE 6d COMMON NAIL SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. OVER INTERMEDIATE SUPPORTS WITH TRUSSES SPACED 32" O.C. INSTALL PLYCLIPS TO SUPPORT LONG EDGES OF PLYWOOD CEILING PANELS

**SHEATHING**

APPLY 1/2" PLYWOOD WITH 6d COMMON NAILS, SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. OVER INTERMEDIATE SUPPORTS. IDENTIFICATION INDEX FOR SHEATHING-32/16  
ALL PLYWOOD IS EXTERIOR-TYPE PLYWOOD (EXT.-DFPA)

PANELIZED CONSTRUCTION IS INDICATED ON THE PLAN. CONVENTIONAL ON-SITE CONSTRUCTION USING 2" x 4" STUDS, 24" O.C. CAN BE SUBSTITUTED.

**TRUSSES:**

LUMBER: TOP CHORD-2" x 6"  
BOTTOM CHORD-2" x 4"  
ALLOWABLE FIBER STRESS  
BENDING - 1500 PSI  
COMPRESSION - 1200 PSI

**PLYWOOD GUSSETS:**

1/2"-32/16 C-C EXT TYPE DFPA PLYWOOD ON BOTH SIDES OF FRAMING MEMBERS  
GLUE: RESORCINOL-RESIN TYPE

NOTE:  
CONSULT LOCAL HEALTH AUTHORITIES BEFORE STARTING CONSTRUCTION TO BE SURE THAT THE PLAN CONFORMS WITH LOCAL CODES AND REGULATIONS

**SECTION**

**SLOTTED FLOORS:**

SEVERAL ARRANGEMENTS ARE POSSIBLE. TWO ARE INDICATED.

**VENTILATION, HEATING & ELECTRIC SERVICE**

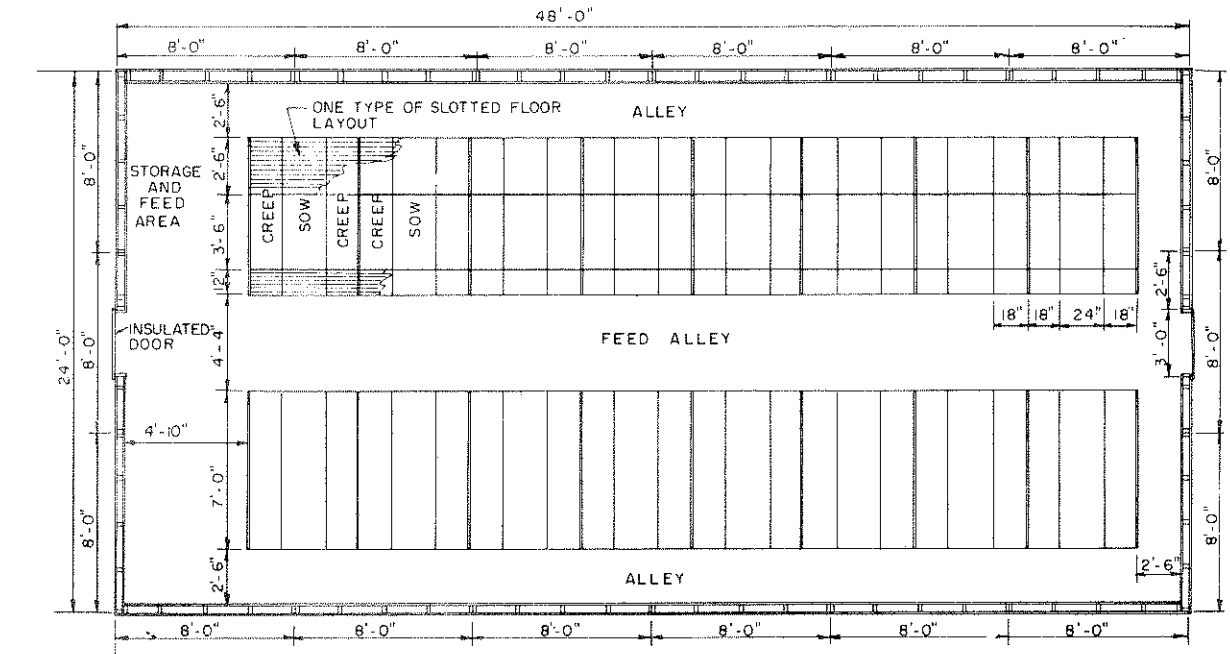
CONSULT WITH POWER SUPPLIER AND/OR EQUIPMENT

**FARROWING STALLS**

COMMERCIALY AVAILABLE STALLS MAY BE USED OR SEE SHEET #3, DETAIL FOR PLYWOOD FARROWING STALL

**PIT CLEANOUT ACCESS**

PLACE ACCESS PORT AT CONVENIENT LOCATION



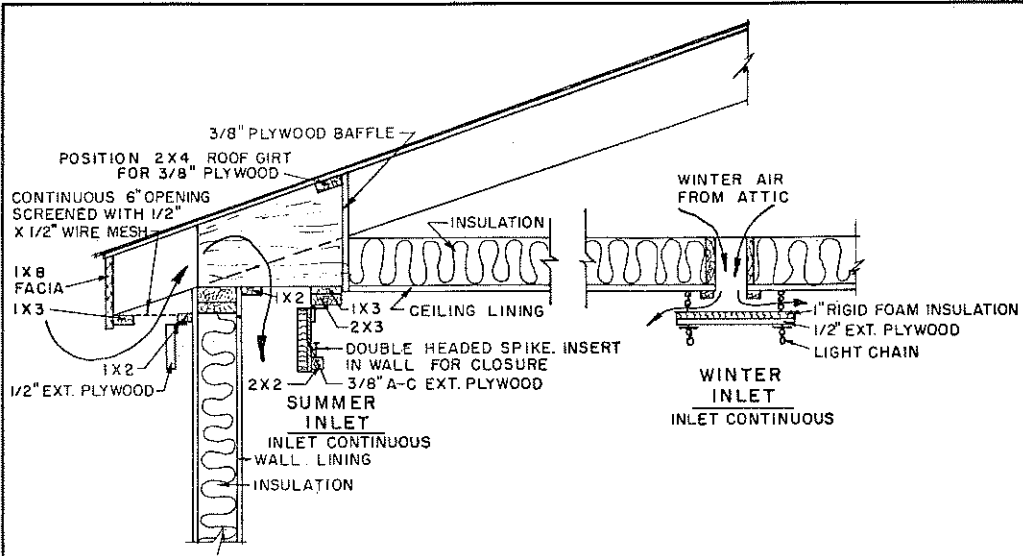
**FLOOR PLAN**

AMERICAN PLYWOOD ASSOC.  
FORM NO. 70-170 & 70-175

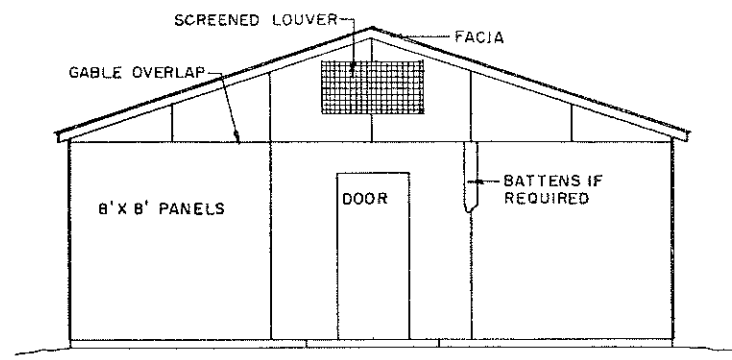
COOPERATIVE EXTENSION WORK IN  
AGRICULTURE AND HOME ECONOMICS  
DEPARTMENT OF AGRICULTURAL ENGINEERING  
UNIVERSITY OF MARYLAND  
AND  
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**FARROWING HOUSE**  
24 x 48'

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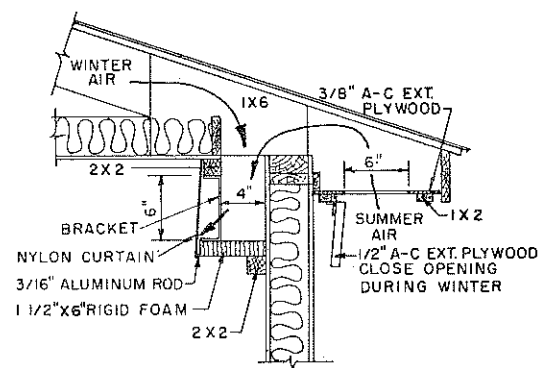


VENTILATION INLET SYSTEM, ALTERNATE NO. 1

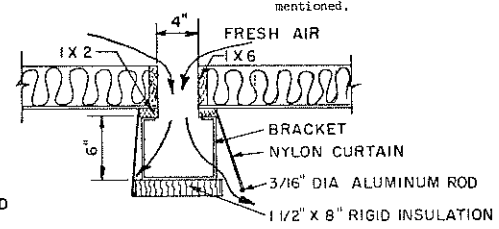


SIDING OPTIONS, (ALL SIDING 3/8" EXT. TYPE DFPA PLYWOOD)  
 1. MEDIUM DENSITY OVERLAY, PREMIUM PERFORMANCE AS PAINTED PANEL.  
 2. A-C OR B-C EXT. SANDED, FINISH SUITABLE FOR PAINTING.  
 3. C-C EXT. ROUGH FINISH, SUITABLE FOR STAIN APPLICATION.

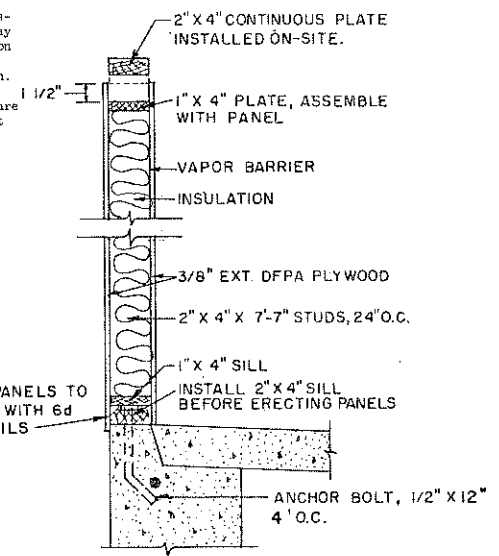
This design is based on the use of American Plywood Association Grade-Trademarked plywood. Structural deficiencies may result with the substitution of materials. Because erection of the structure cannot be supervised no liability can be assumed by the designer or the American Plywood Association. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.



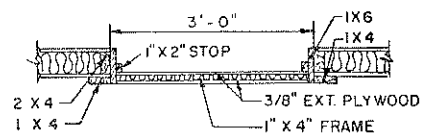
SLOT INLET ON SIDE VENTILATION INLET SYSTEM, ALTERNATE NO. 2  
 INLETS ARE CONTINUOUS



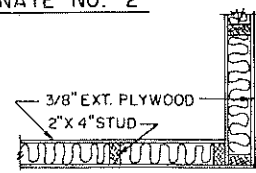
SLOT INLET IN CENTER



WALL PANEL DETAIL



DOOR DETAIL



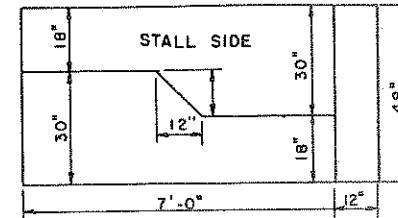
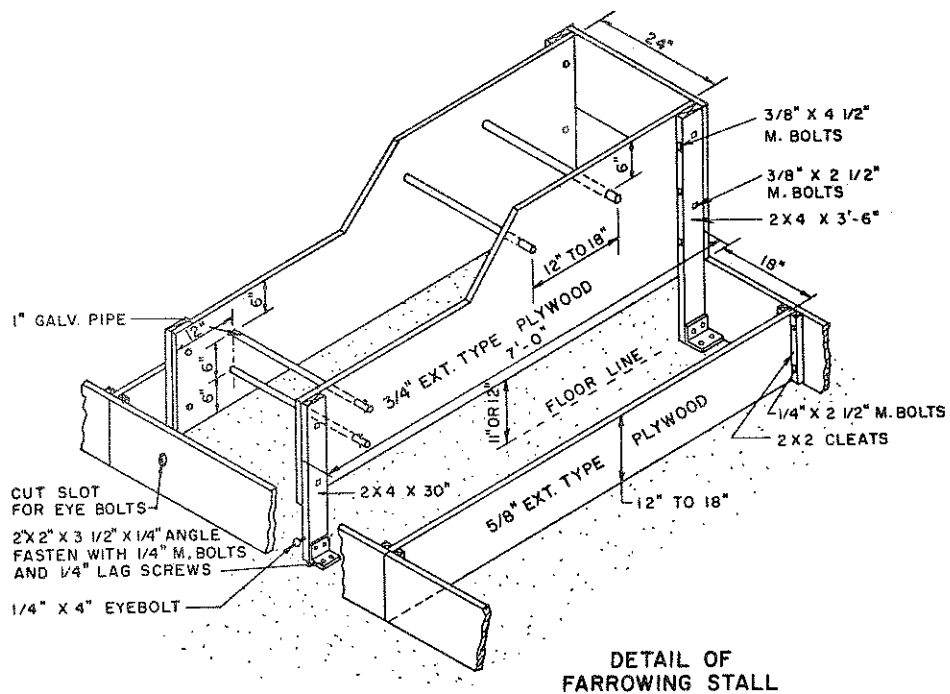
CORNER DETAIL

PANEL DETAILS

THE PLYWOOD USE RECOMMENDATIONS CONTAINED IN THIS PUBLICATION ARE BASED UPON THE ASSOCIATION'S CONTINUING PROGRAM OF LABORATORY TESTING, PRODUCT RESEARCH AND COMPREHENSIVE FIELD EXPERIENCE.

BEST PERFORMANCE DEPENDS UPON THE USE OF QUALITY PLYWOOD, IDENTIFIED BY AMERICAN PLYWOOD ASSOCIATION GRADE-TRADEMARKS, PROPERLY APPLIED IN ACCORDANCE WITH THESE RECOMMENDATIONS.

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FARROWING HOUSE		
24' x 48'		
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PLYWOOD CUTTING DIAGRAM  
3/4" EXT. TYPE PLYWOOD

MATERIALS LIST

<b>PLYWOOD</b>	ALL EXTERIOR-TYPE (EXT.-DFPA) C-C GRADE ALTERNATE—PLYFORM OR A-C EXT.
<b>STALL SIDES</b>	1 - 4' X 8' X 3/4"
<b>STALL END</b>	1 - 2'-4 1/2" X 2'-6" X 3/4"
<b>DIVIDER PARTITIONS (12" HIGH)</b>	1 - 4' X 8' X 5/8"
<b>LUMBER</b>	2 - 2X6 X 6' 1 - 2X2 X 10'
<b>HARDWARE</b>	10' 1" GALV. PIPE 8 - 3/8" X 2 1/2" MACHINE BOLT 16 - 1/4" X 2 1/2" " " " 8 - 3/8" X 4 1/2" " " " 8 - 1/4" X 2" " " " 2 - 1/4" X 4" EYE BOLT 4 - 3 1/2" X 2" X 2" X 1/4" ANGLE BRACKETS 8 - 1/4" X 2" LAG BOLTS WITH EXPANSION SHIELDS 8 - COTTER PINS OR NAILS

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