

**PLAN**

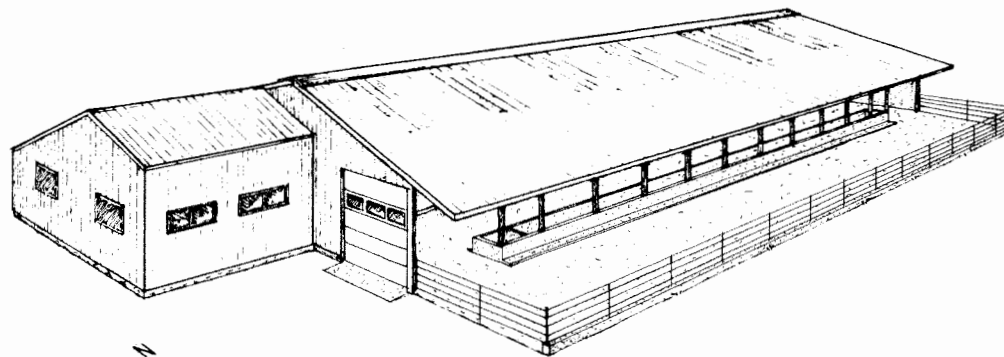
SCALE: 3/32" = 1'-0"

**NOTES**

1. CONSULT LOCAL HEALTH AUTHORITIES BEFORE STARTING CONSTRUCTION TO BE SURE THAT PLAN CONFORMS WITH LOCAL AND STATE REGULATIONS.
2. CONSULT WITH COW STALL MANUFACTURER PRIOR TO POURING MILKING PARLOR FLOOR AND PIT CURBING.
3. CONCRETE TO BE 3000 PSI AIR-ENTRAINED MIX.
4. FOOTINGS TO BEAR ON SOLID GROUND BELOW FROST LINE.
5. CONCRETE FLOORS TO HAVE A BROOM FINISH.
6. USE "CONSTRUCTION" GRADE DOUGLAS FIR OR NO. 1 SOUTHERN PINE, MINIMUM FIBER STRESS OF 1500 LB/SQ IN., FOR TRUSSES AND GIRDER MEMBERS.
7. UNLESS OTHERWISE SPECIFIED, USE RING OR SPIRAL SHANK NAILS THROUGHOUT.

**DOOR AND WINDOW SCHEDULE  
MILK ROOM & MILKING PARLOR**

- ① 2'-4" x 6'-8"
  - ② 3'-0" x 6'-8"
  - ③ 3'-0" x 6'-8" WITH A 2'-0" x 6'-8" REMOVABLE PANEL ADJACENT
  - ④ 3'-0" x 6'-8"
  - ⑤ CONSULT MANUFACTURERS SPECS.
- Ⓐ 2'-0" x 3'-2"
  - Ⓑ 2'-3'-0" x 3'-2"
  - Ⓒ 2'-3'-0" x 1'-9"

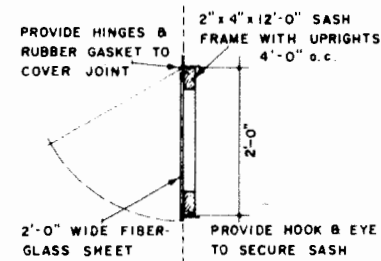
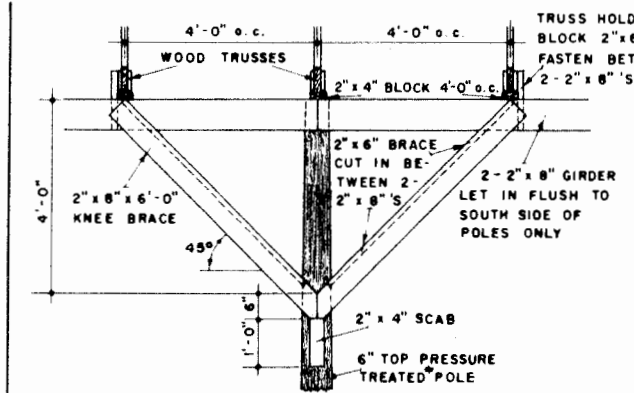
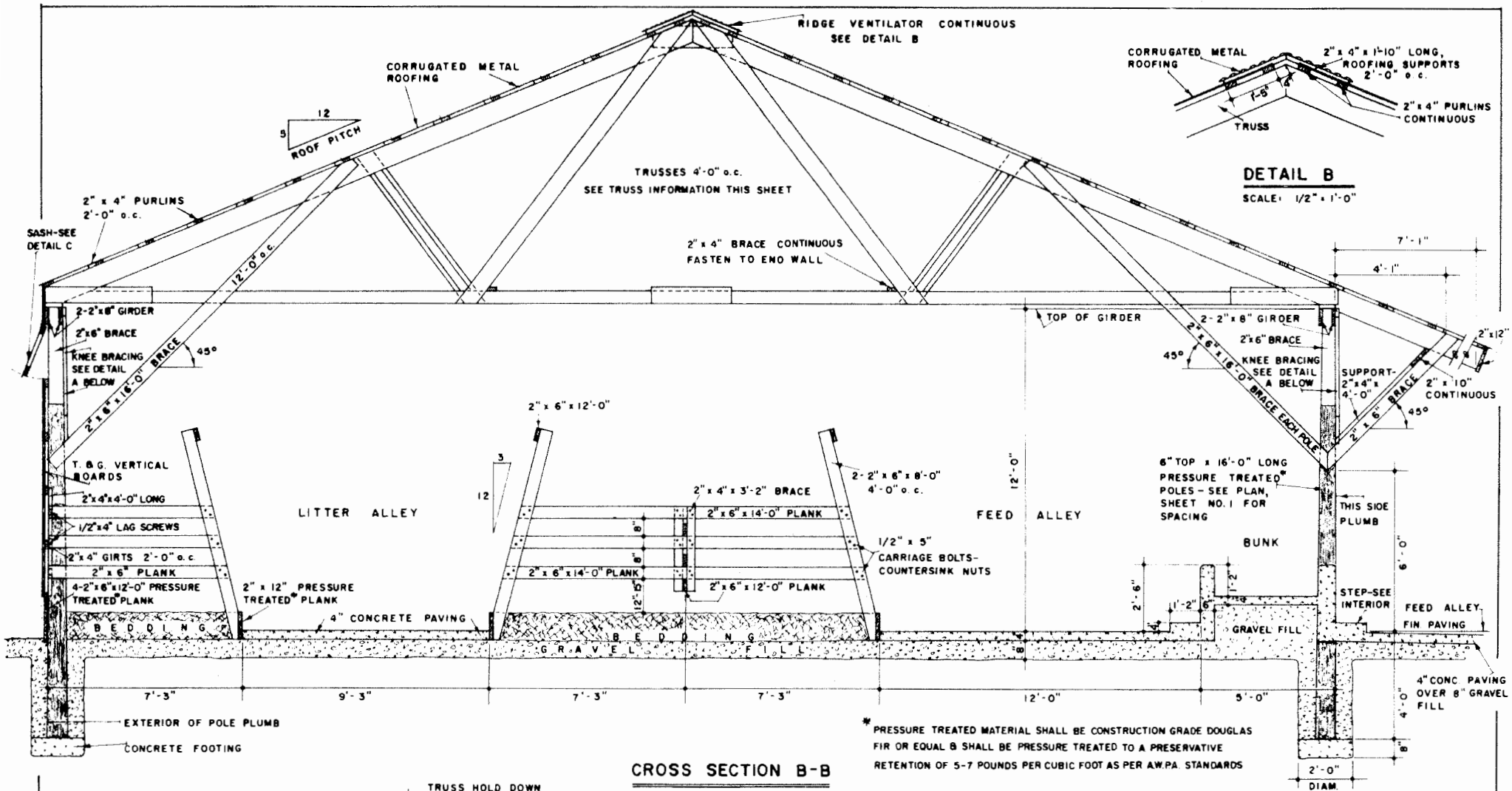


**PERSPECTIVE**



**101 COW FREE-STALL SYSTEM**

CONN. '65 EX. 5985 SHEET 1 OF 3



**TRUSS INFORMATION**

SITE FABRICATION: USE TRUSS PLAN 803M (AVAILABLE AT AGRICULTURAL ENGINEERING DEPARTMENT, UNIVERSITY OF CONNECTICUT).

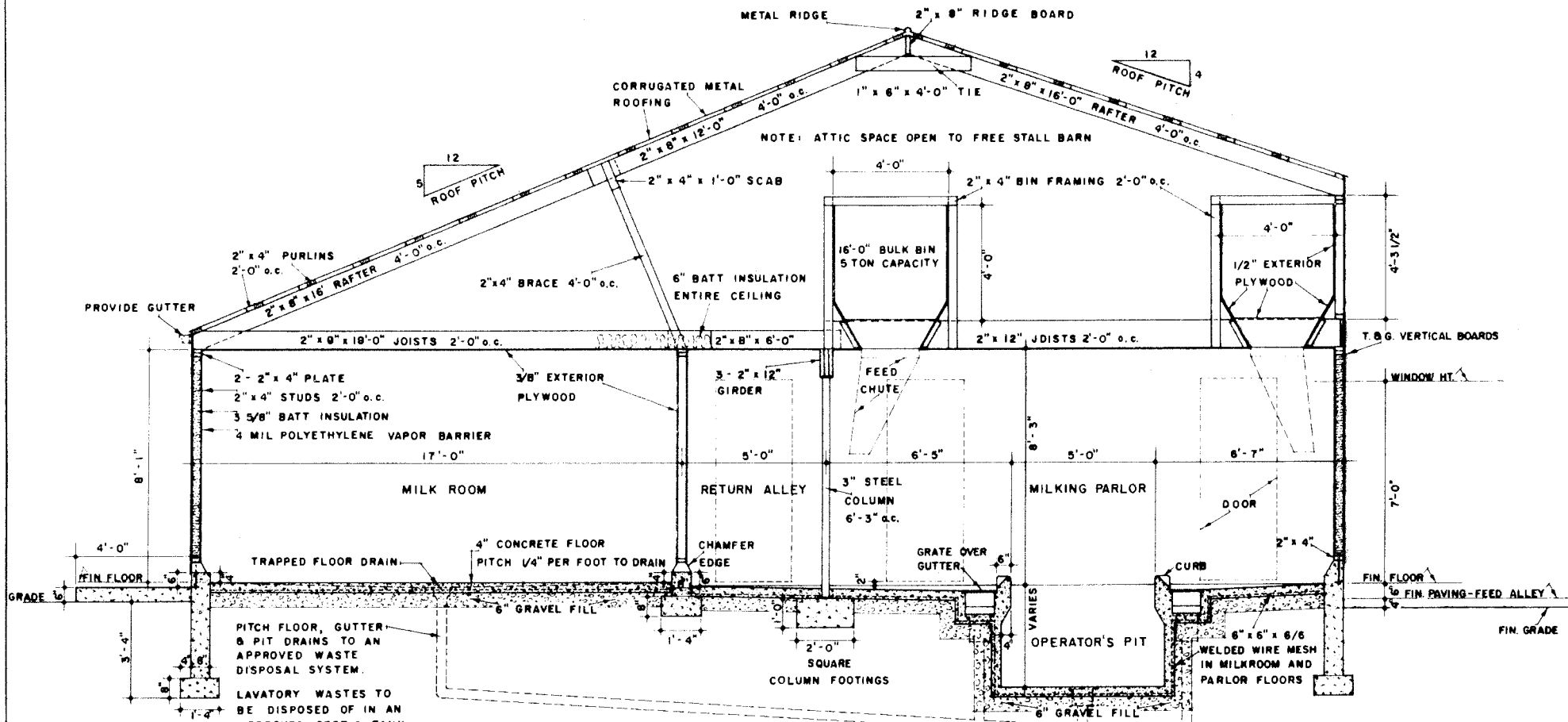
SHOP FABRICATION: TRUSS DESIGN AND JOINT FASTENERS SHALL BE OF AN APPROVED DESIGN WITH THE FOLLOWING DESIGN LOADINGS:

ROOF LOAD (DEAD AND LIVE) = 35 LBS/SQ FT  
 CEILING LOAD = NONE REQUIRED  
 TRUSS SPACING = 4'-0" o.c.  
 OVERHANG = 7'-1" (ONE SIDE)

**LSU**  
**AgCenter**  
 Research & Extension

**101 COW FREE-STALL SYSTEM**

CONN. '65 EX. 5985 SHEET 2 OF 3



**CROSS SECTION A-A**

SCALE: 3/8" = 1'-0"

LAVATORY WASTES TO BE DISPOSED OF IN AN APPROVED SEPTIC TANK AND LEECHING FIELD SYSTEM.

**NOTES**

**MILK ROOM AND MILKING PARLOR**

1. SEE MANUFACTURER'S SPECIFICATIONS FOR PARLOR DOORS, FEED CHUTES, GUTTERS, OPERATOR'S PIT AND STALL INSTALLATION.
2. PITCH FLOORS 1/4" PER FOOT TO DRAINS.
3. USE 1/2" x 12" BOLTS 6'-0" o.c. TO ANCHOR 2" x 4" SILL TO FOUNDATION WALLS.
4. USE CORRUGATED RUBBER FILLER STRIPS AT THE EAVES UNDER CORRUGATED METAL ROOFING.



**101 COW FREE-STALL SYSTEM**

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## 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.