

MWPS-72505

40' x 72' Feeder Lamb

Confinement barn, slotted floor.

CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

WARRANTY DISCLAIMER

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MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
40'x72' Feeder Lamb Confinement Barn
Title Page
MIDWEST PLAN NO. 72505

See MWPS-3, Sheep Housing and Equipment Handbook, for additional information.

MWPS Plan 72505

Group Pens on Expanded Metal Floors

This plan is for a 40' x 72' building housing 500 feeder lambs. The plan illustrates two alternative ventilation systems as well as two manure handling systems.

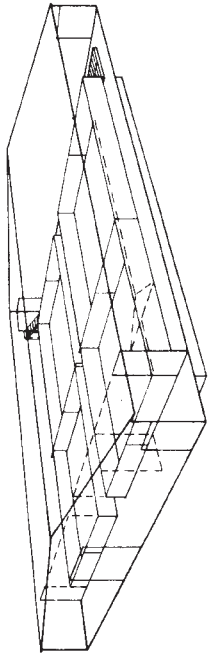
Plan A shows a naturally ventilated system with mechanical scraping below slats. Plan B shows a forced ventilation system over a 24" deep manure storage pit.

Building Space and Animal Cycles

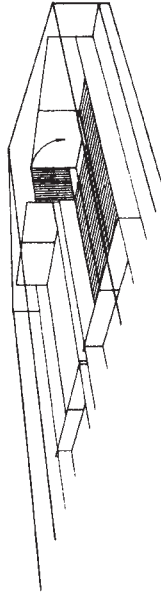
The building is designed for 500 feeder lambs providing approximately 4 square feet of floor space per lamb. Multiple lambing schedules offer maximum use of the facility. The floor space is adequate for housing 250 ewes but additional feeder space and manure storage will be required.

Feeding Management

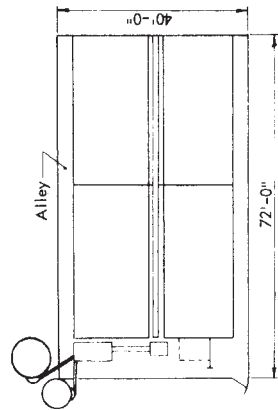
A two-sided mechanically fed bunk continuous down the center of the building provides three inches of bunk space per lamb. It is assumed that lambs will be limit fed and brought up to full feed before being brought into the barn. If lambs have not been trained for self-feeding, provide additional feeder space, with temporary feed bunks in each pen (9'-12" of feeder space per lamb).



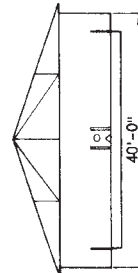
PLAN A
Alley Scraper, Barn Cleaner, Natural Ventilation



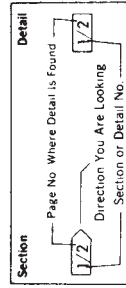
PLAN B
Shallow Pit, Tractor Scraped, Mechanical Ventilation



General Floor Plan



Cross Section



Section & Detail Indicator

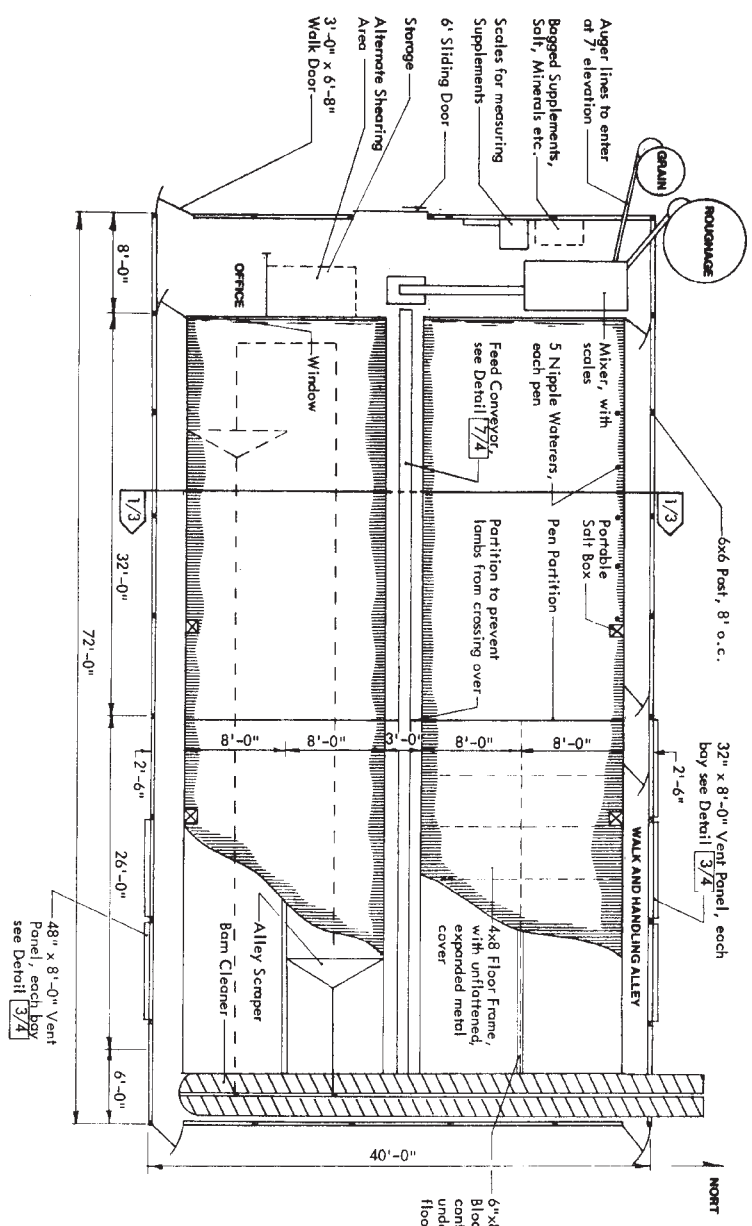
LUMBER SPECIFICATIONS, PLAN A

- Wall Girts**
2x6 No. 2 (Doug Fir or Southern Pine), Max. Spacing: 32"
- Trusses, Headers, Top Girts**
No. 1 or 1500 T machine rated (Doug Fir or Southern Pine)
- Posts and Sills**
4x4 or 6x6, Preservative Treated (Southern Pine or equivalent), Creosote-10 pct, Pentachlorophenol, ACA or CCA (Type A or B)-0.50 pct retention
- Plywood Roof Sheathing**
Use C-C-Ex; unstandard
- Alternate Lumber Specifications**
2x6 Girts (No. 2 Hem-Fir) Max Spacing: 24" Trusses (No. 1 Hem-Fir)
- See Truss Page**
- Posts (Round vs Sawn)**
6x6 = ASA or ASAE Class 7, 4 8" Top Diameter

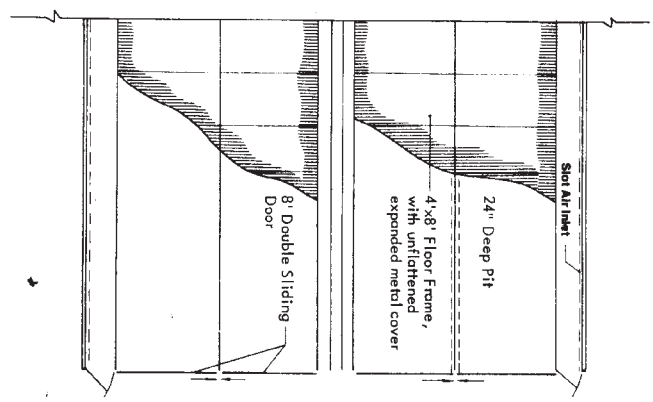
Lumber Specifications, Plan B

- Wall Girts**
2x6 No. 2 (Doug Fir, Southern Pine or Hem Fir)
- Trusses**
See Truss Page
- Plywood**
Siding and Wall Lining and Ceiling—3/4" or 5/8" C-C-Ex with Medium Density Overlay
- Sills and Frieze**
Yellow Pine, Preservative Treated (Southern Pine or equivalent), Creosote-10 pct, ACA or CCA (Type A or B)-0.25 pct, ACA
- P. T.** means lumber, pressure preservative treated against insect and fungus attack.

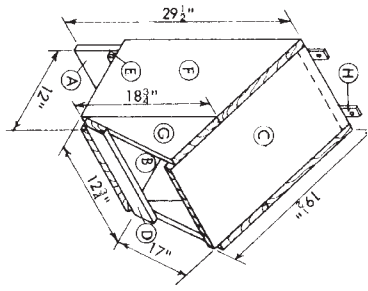
MWPS MIDWEST PLAN SERVICE	
Cooperative Extension & Research in Agriculture & Home Economics in the 12 North Central Universities—USDA Cooperating	
40' X 72' FEEDER LAMB CONFINEMENT BARN	
6 Pages plus	Plan No.
40 Truss Sheet	mwp- 72505
1 of 8	Page



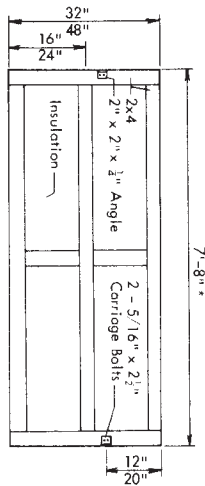
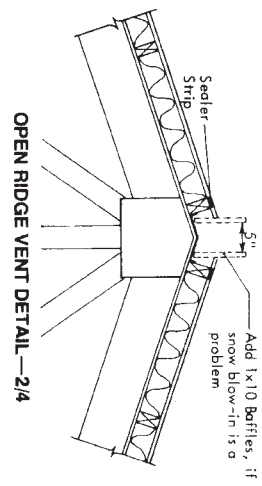
FLOOR PLAN A—1/2
 Alley Scraper, Barn Cleaner, Post Frame see 1/3



FLOOR PLAN B—2/2
 Tractor Scraped, Stud Frame see 1/5



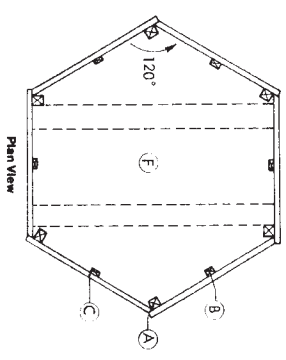
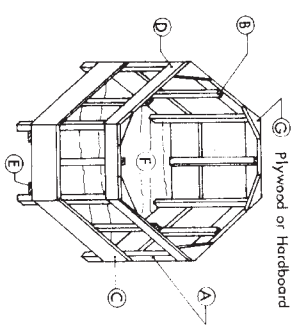
Item No.	Description
A	1x12x30"
B	1x12x12"
C	1x12x19-3/4"
D	1x4x12-3/4"
E	1x12x24"
F	1x8x18"
G	2
H	1"x1-1/4"x6" Strap



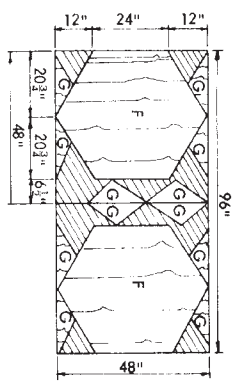
Glue and nail 5/8" CC Exterior Plywood on the inside. Install Insulation. Nail metal siding on the outside.

* Alter this dimension for other than 4" wide building posts or other than 8' o.c.

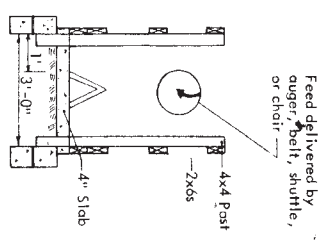
VENTILATION DOOR—3/4



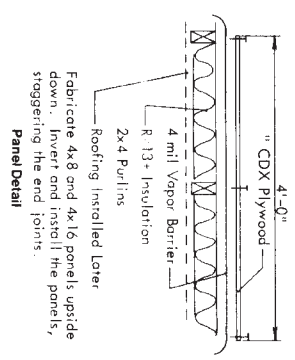
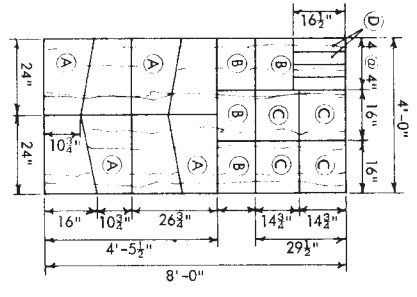
Item No.	Description
A	2x2x32"
B	1x2x27"
C	1x8x24"
D	1x4x24"
E	1x4x32-1/2"
F	2 cut from 4' x 8' plywood or hardboard



TEMPORARY FEEDBUNK—5/4

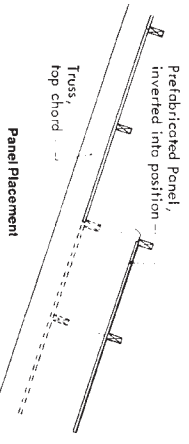


SALT BOX DETAIL—1/4

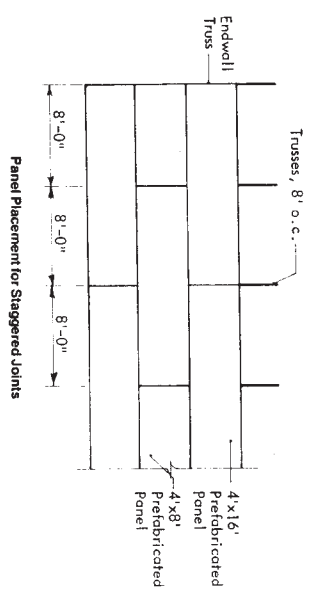


Fabricate 4x8 and 4x16 panels upside down. Invert and install the panels, staggering the end joints.

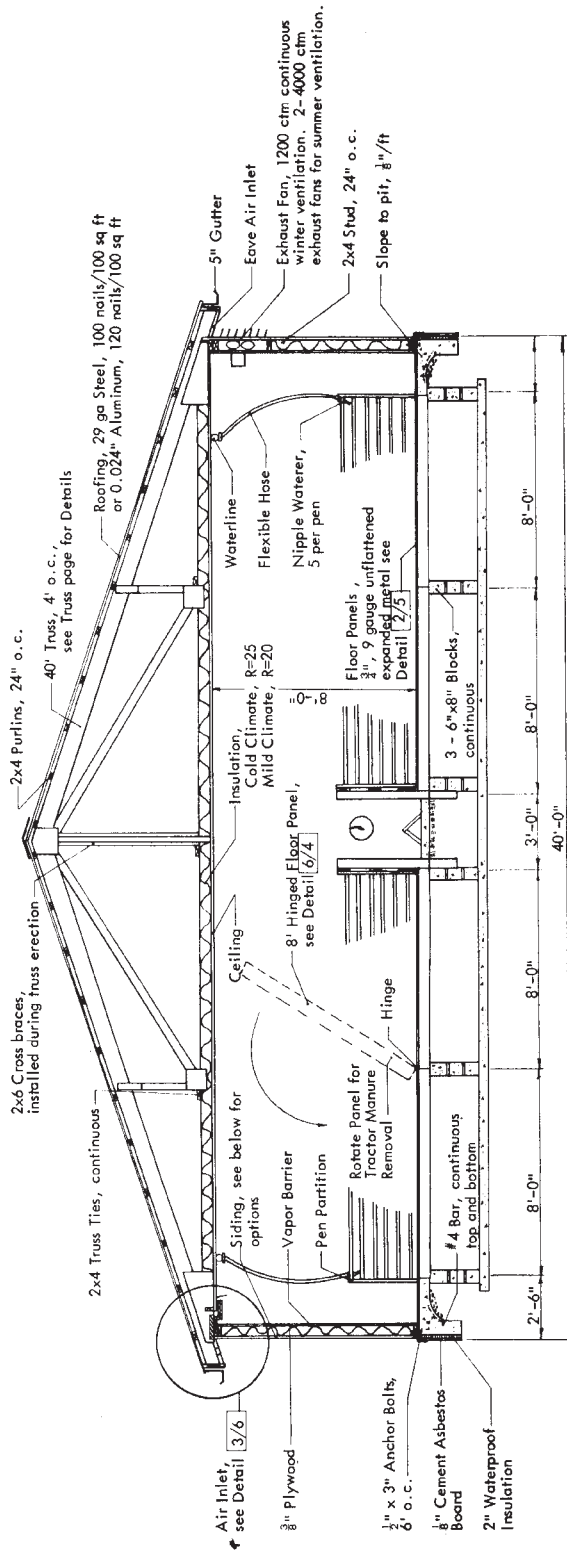
Panel Detail



INSULATED ROOF—PANEL 4/4



MECHANICAL FEEDBUNK—7/4



CROSS SECTION B—1/5

Under slat manure storage, mechanically ventilated

WALL CONSTRUCTION

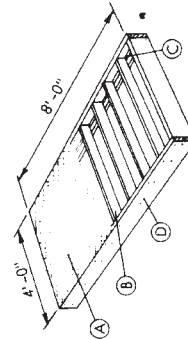
Mild Climate
2x4, 24" o.c.
3 1/2" Batt or Blanket Insulation

Cold Climate
2x6, 24" o.c.
5 1/2" Batt or Blanket Insulation

For alternate naturally ventilated pale bldg section with mechanical scraper, see Detail 1/3.

Exterior Siding

Options:
29 ga Steel Horizontal
0.024" Aluminum Horizontal
3/8" Ext Plywood, stained
3/8" MDO Plywood, painted



- FLOOR PANELS**
- A. 3" x 9 - gauge unflattened expanded metal
 - B. 1x4 treated joists @ 12" o.c.
 - C. 1x2 blocks, beveled
 - D. 2x8 treated frame

SLOTTED FLOOR DETAIL—2/5

