

MWPS-72506

240 Ewe & Lambing Barn

This plan illustrates an open front building with a fully insulated lambing area in the center. It is designed for a 240-ewe flock.

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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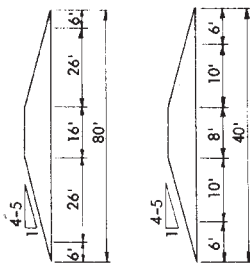
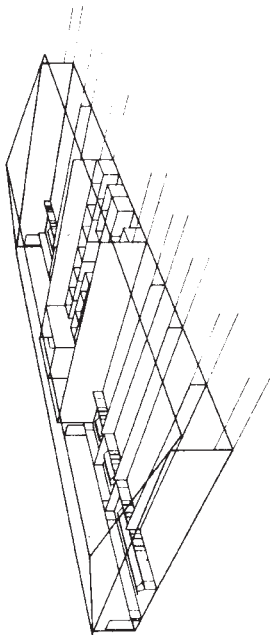
MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
240 Ewe & Lambing Barn
Title Page
MIDWEST PLAN NO. 72506

MWPS Plan 72506

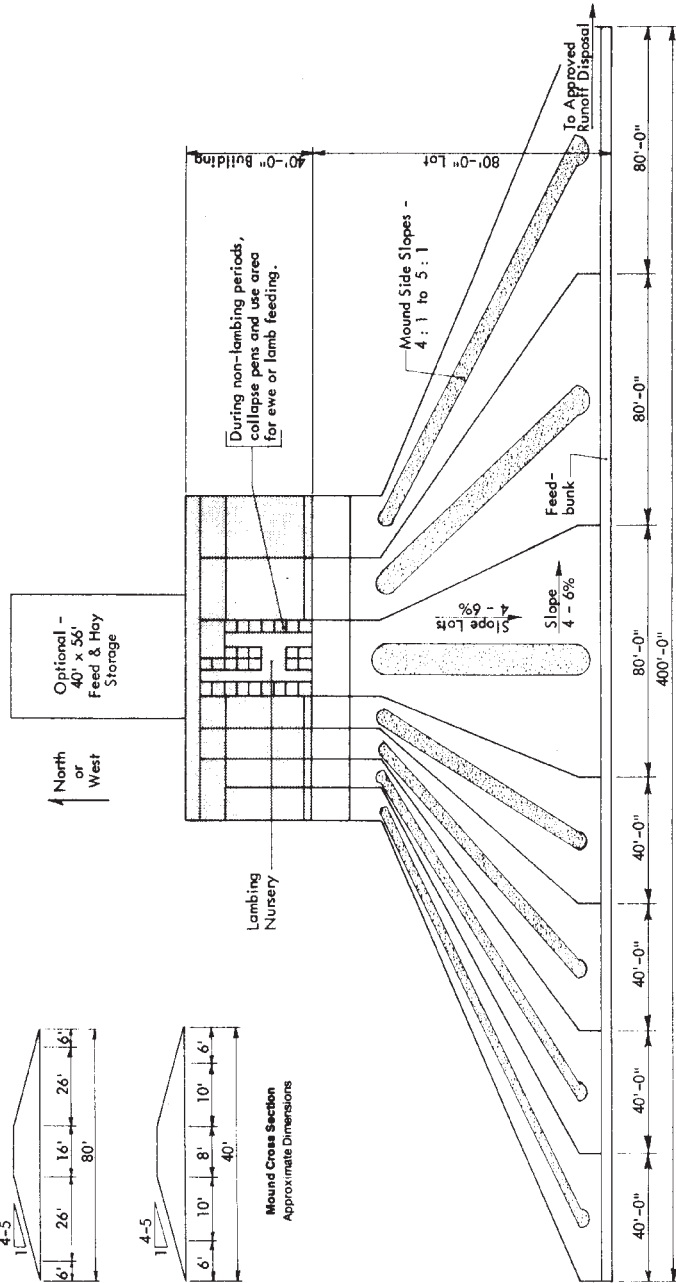
This plan illustrates an open front building with a fully insulated lambing area in the center. It is designed for a 240-ewe flock.

Building Space and Animal Cycles

Gestating ewes are brought into pen areas prior to lambing. After lambing, both ewe and lamb are transferred to 4x4 lambing jugs located in the insulated lambing area for one to three days. Ewe and lamb are then returned to the 30-ewe pen with broader area for a period of seven to ten days. After two of the 30-ewe pens are filled, lambs and ewes are transferred to a 60-ewe pen. The lambing area becomes a ewe or lamb feeding pen when not used for lambing.



Mound Cross Section
Approximate Dimensions

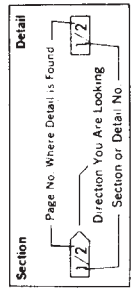


LOT LAYOUT—1/1

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

LUMBER SPECIFICATIONS

- Wall Girts: 2x6 No. 2 (Doug Fir or Southern Pine), Max. Spacing: 32"
- Trusses, Headers, Top Girts: No. 1 or 1500 J machine rated (Doug Fir or Southern Pine)
- Posts and Spliceboards: Pressure Preservative Treated (Southern Pine or Cedar) (8 pct. Pentachlorophenol) (CCA Type A or B)(150 pct retention)
- Plywood Roof Sheathing: Use C-C Ext. unspanned.
- Alternate Lumber Specifications: 2x6 Girts (no 2 Hem-Fir) (Max. Spacing: 24" Trusses (No. 1 Hem-Fir) See Truss Page Posts (Round vs Saw) 6x6 = ASA or ASAE Class 7, 4.8" Top Diameter



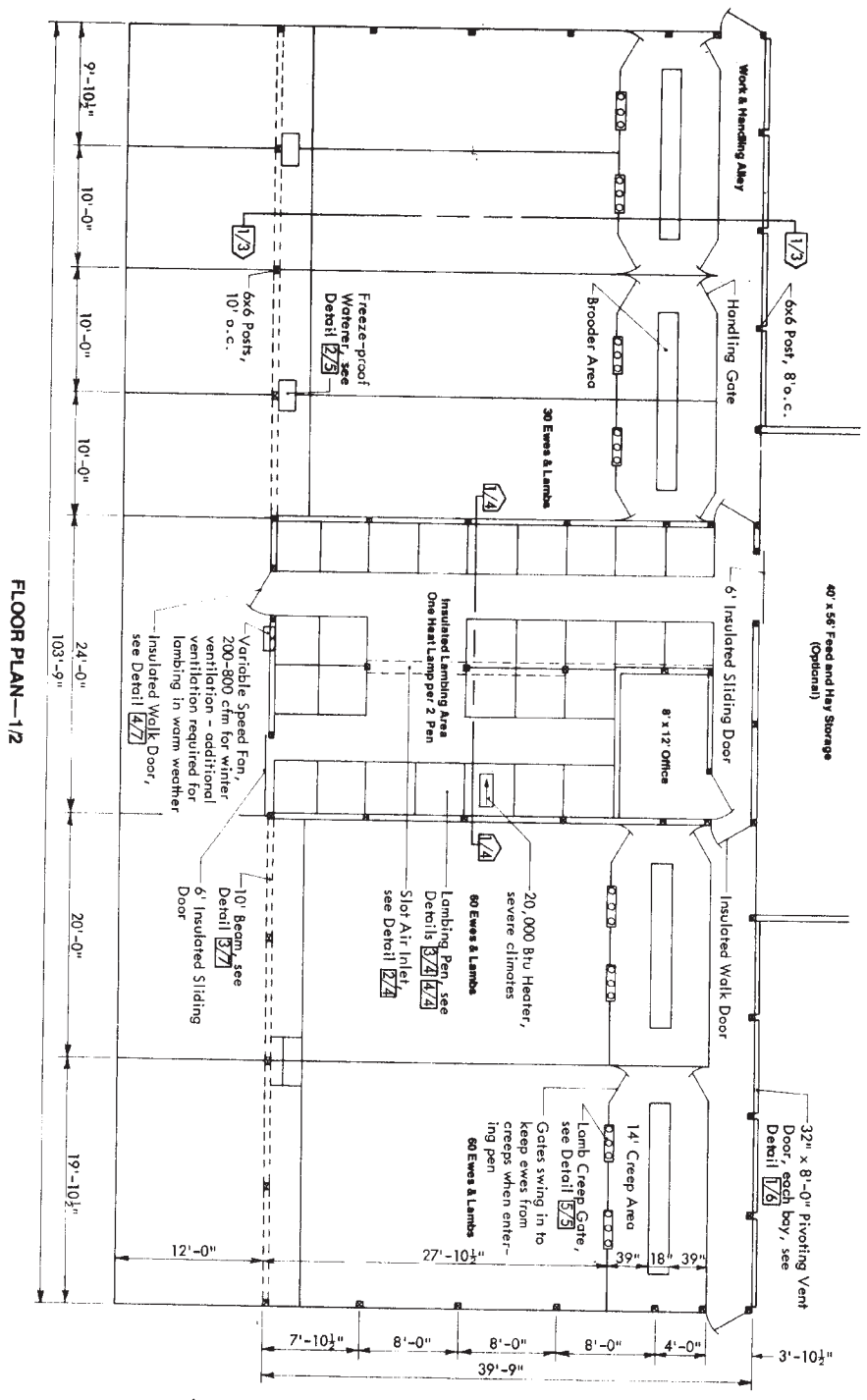
Section & Detail Indicator

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Cooperative Extension & Research in Agriculture & Home Economics in the 12 North Central Universities—USDA Cooperating

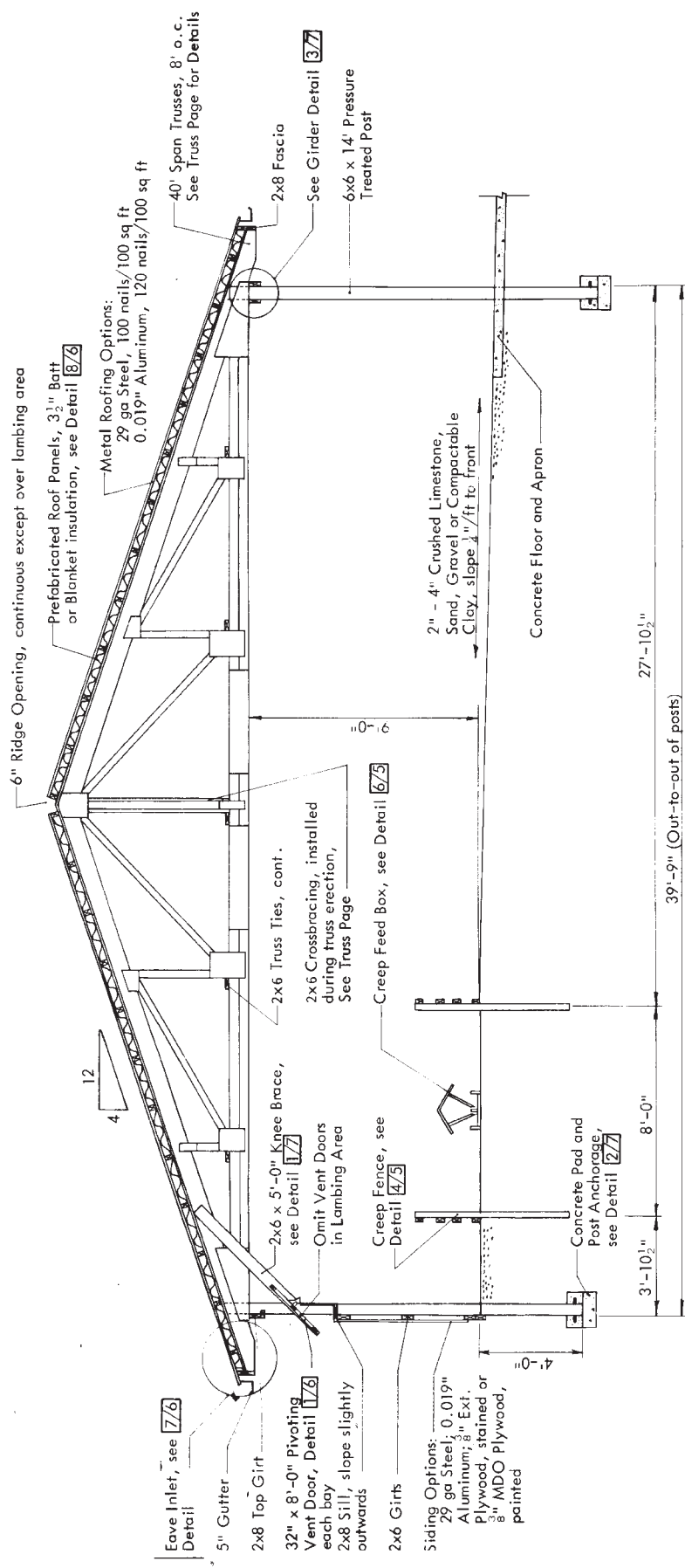
240 EWE & LAMBING BARN

7 Pages plus Truss Sheet	Plan No. mwps-72506	Page 1 of 9
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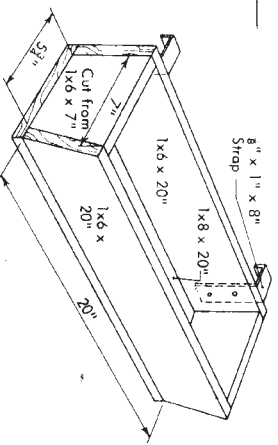
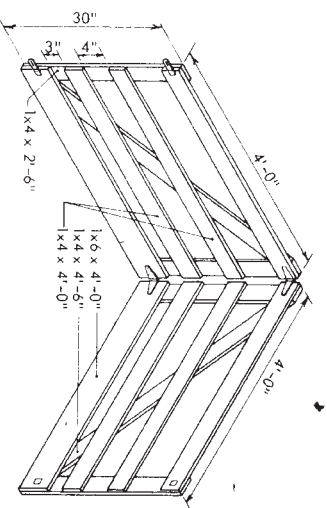
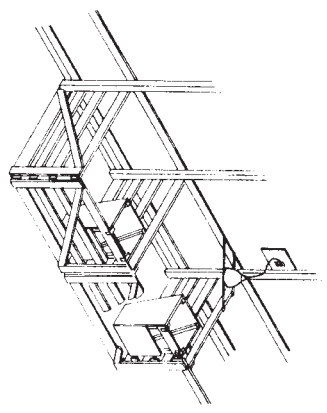
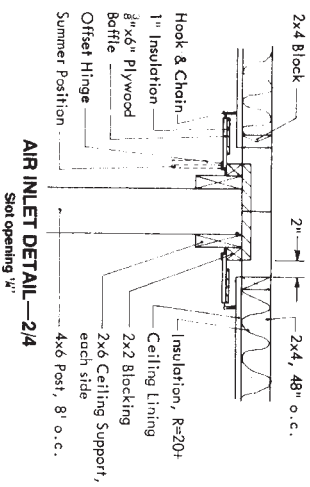
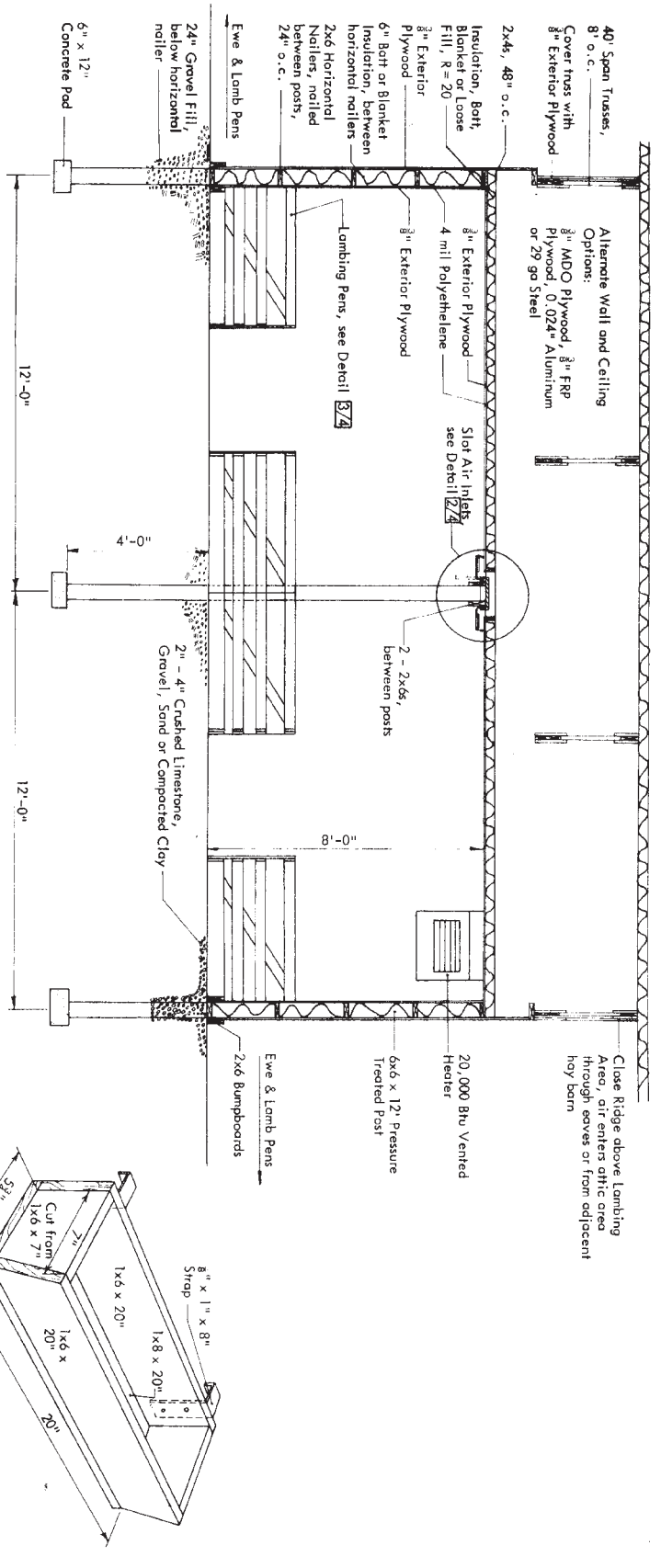
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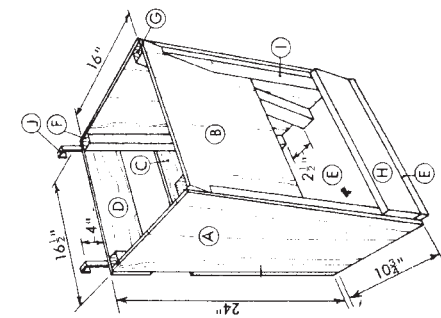
FLOOR PLAN—1/2



CROSS SECTION THROUGH 28' x 10' PENS—1/3

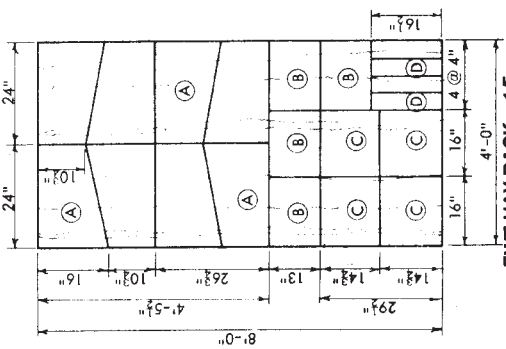


MIDWEST PLAN SERVICE			
240 EWE & LAMBING BARN			
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Drawn By	mmgs	Checked By	
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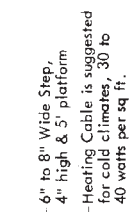


CUTTING-DIAGRAM

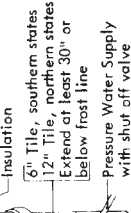
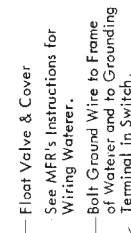
Item	No.	Description
A-D		see plywood cutting diagram
E	1	1 x 12 x 16"
F	2	2 x 2 x 24"
G	2	2 x 2 x 26 1/2"
H	1	1 x 4 x 16"
I	2	1 x 2 x 24"
J	2	8" x 1" x 12" Strap



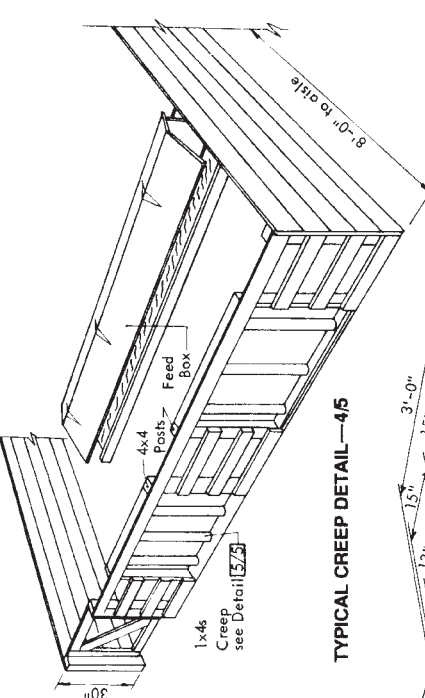
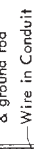
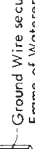
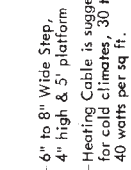
EWE HAY RACK—1/5
For ewes in lambing pens



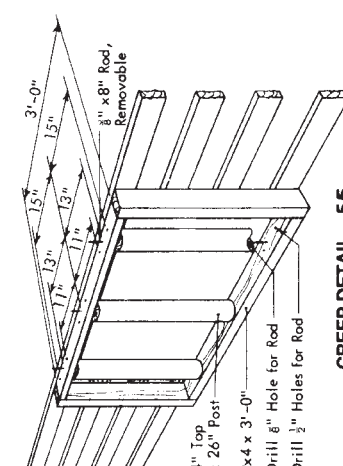
Step Alternative



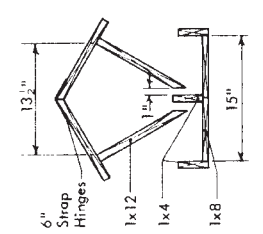
WATERER—2/5



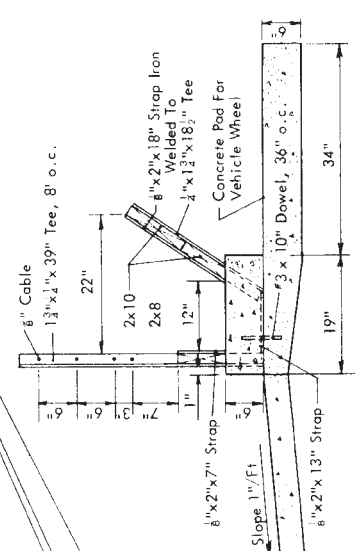
TYPICAL CREEP DETAIL—4/5



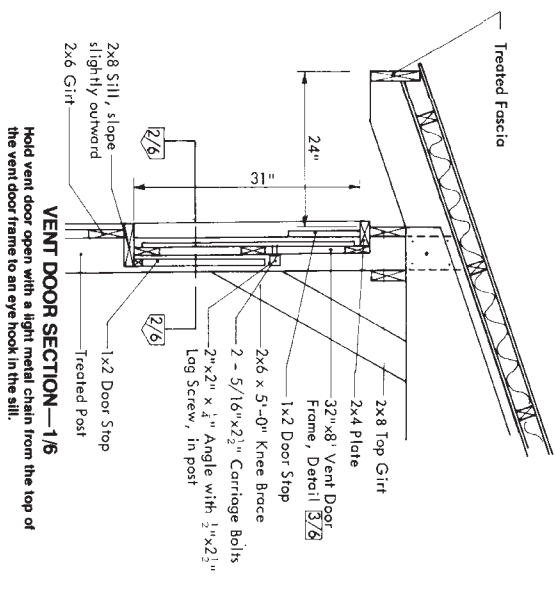
CREEP DETAIL—5/5



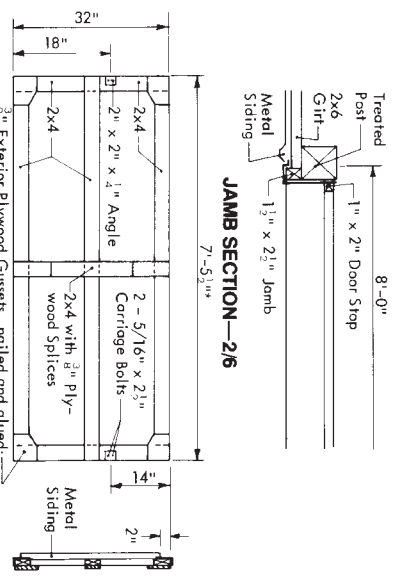
FEED BOX CROSS SECTION—6/5



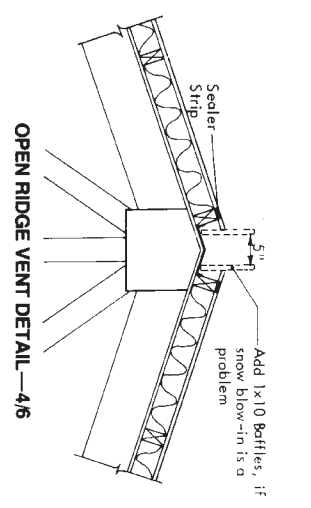
FEED BUNK—3/5



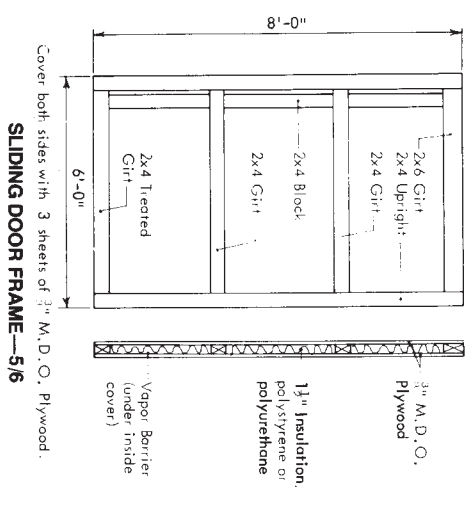
VENT DOOR SECTION—1/5
Hold vent door open with a light metal chain from the top of the vent door frame to an eye hook in the sill.



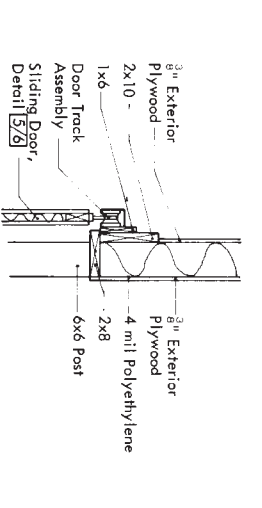
JAMB SECTION—2/6



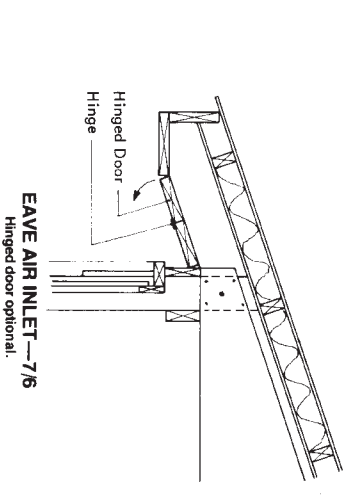
OPEN RIDGE VENT DETAIL—4/6



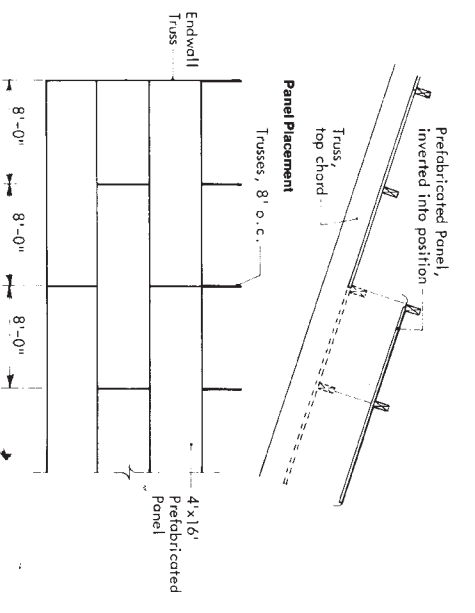
SLIDING DOOR FRAME—5/6



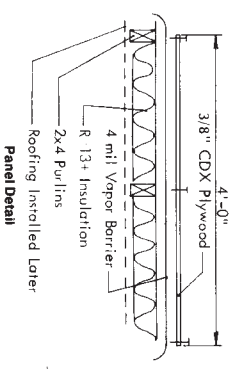
SLIDING DOOR HEADER DETAIL—6/6



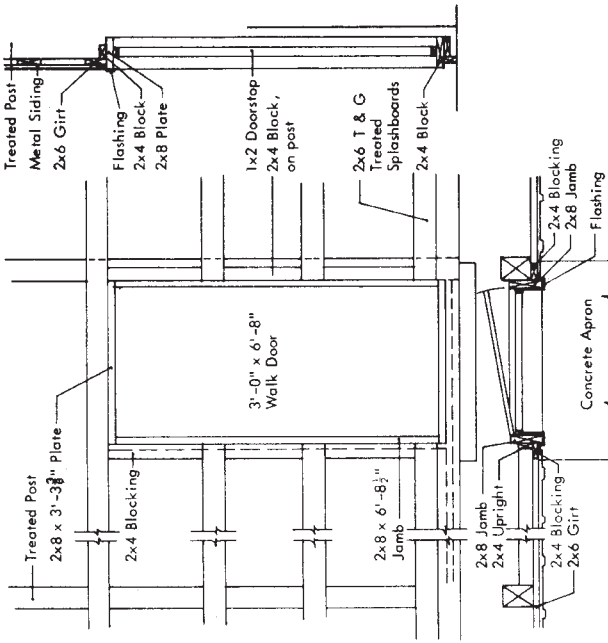
EAVE AIR INLET—7/6
Hinged door optional.



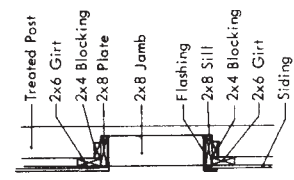
Panel Placement for Staggered Joints



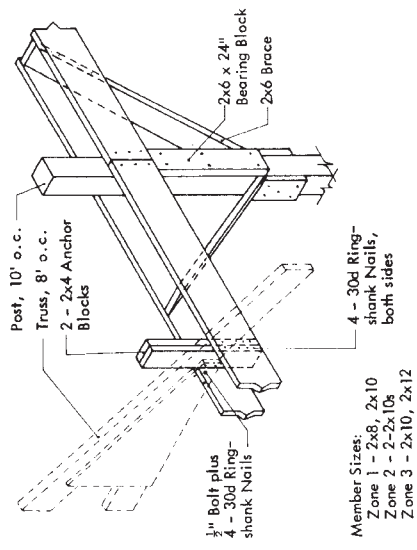
INSULATED ROOF PANELS—8/6
Reduce heat gain in summer and heat loss in winter. Fabricate 4x8 and 4x16 panels upside down. Invert and install the panels, staggering the end joints.



WALK DOOR FRAMING—47
Insulated walk doors located on perimeter of heated lambing area.

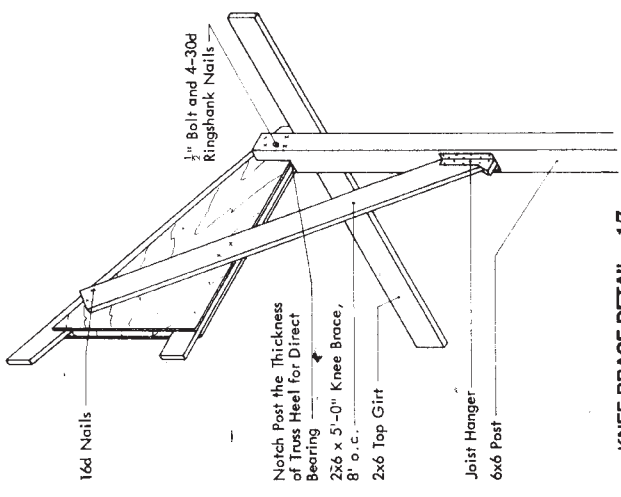


FRAMED OPENING DETAIL—57
For windows, fans and small vent doors. For a building with an interior lining, extend jambs, plate and sill to be flush with the inside edges of the posts.

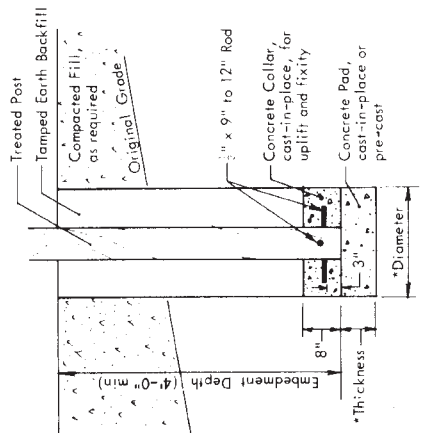


10' GIRDER, POST, TRUSS CONNECTION—37

Member Sizes:
Zone 1 - 2x8, 2x10
Zone 2 - 2-2x10s
Zone 3 - 2x10, 2x12



KNEE BRACE DETAIL—17



POST FOOTING DETAIL—27

*Footing Size
12" Dia x 6" Thick @ Endwall Posts
16" Dia x 6" Thick @ Sidewall Posts
24" Dia x 7" Thick @ Interior Posts
12" Dia x 6" Thick @ Rafter Posts
24" Dia x 7" Thick @ 2' Spans
Extend embedment depth as required to place footing on undisturbed soil. For large diameter footings, use smaller diameter auger and flare the bottom of the hole with Lineman's spoon.