MWPS-72359

Dairy Barn

105 Free Stalls 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

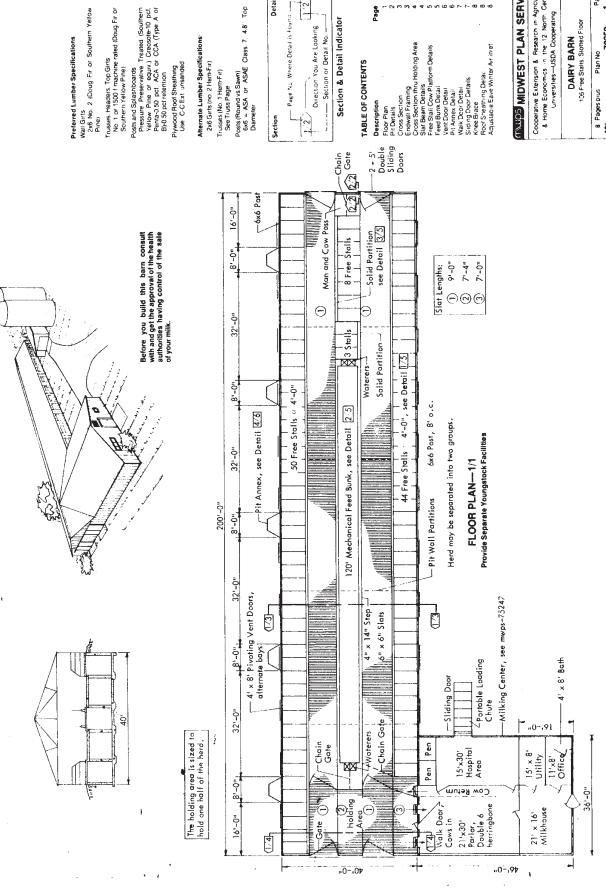
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating

Dairy Barn

105 Free Stalls, Slotted Floor

Title Page

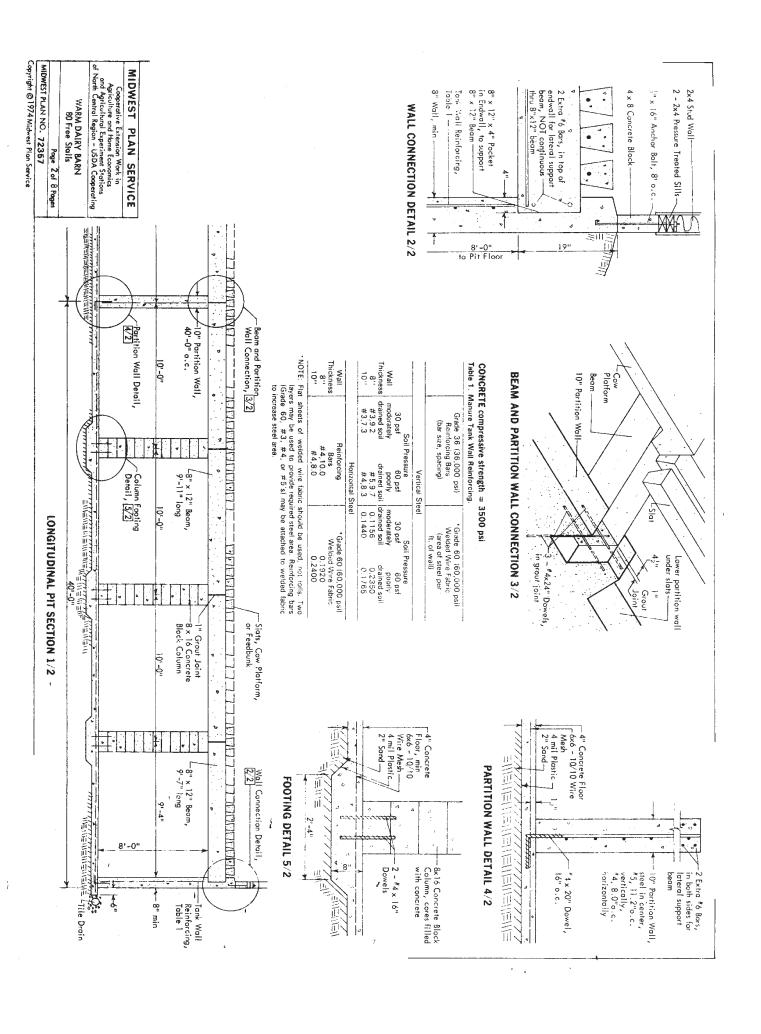
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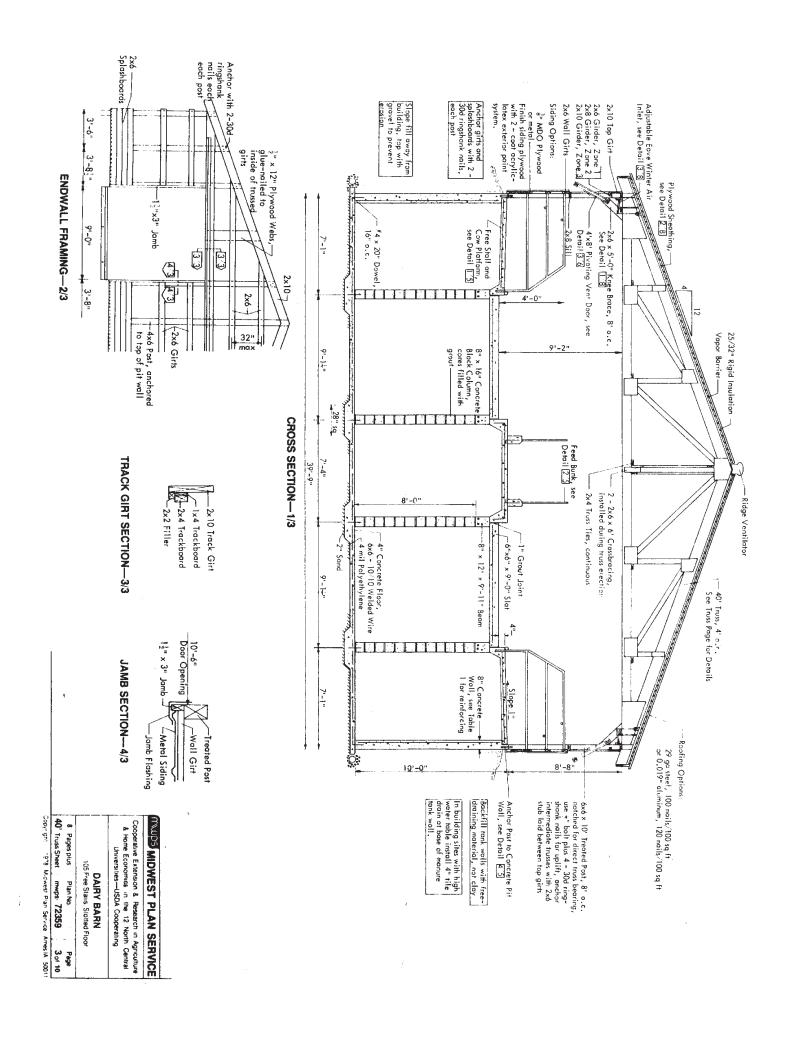


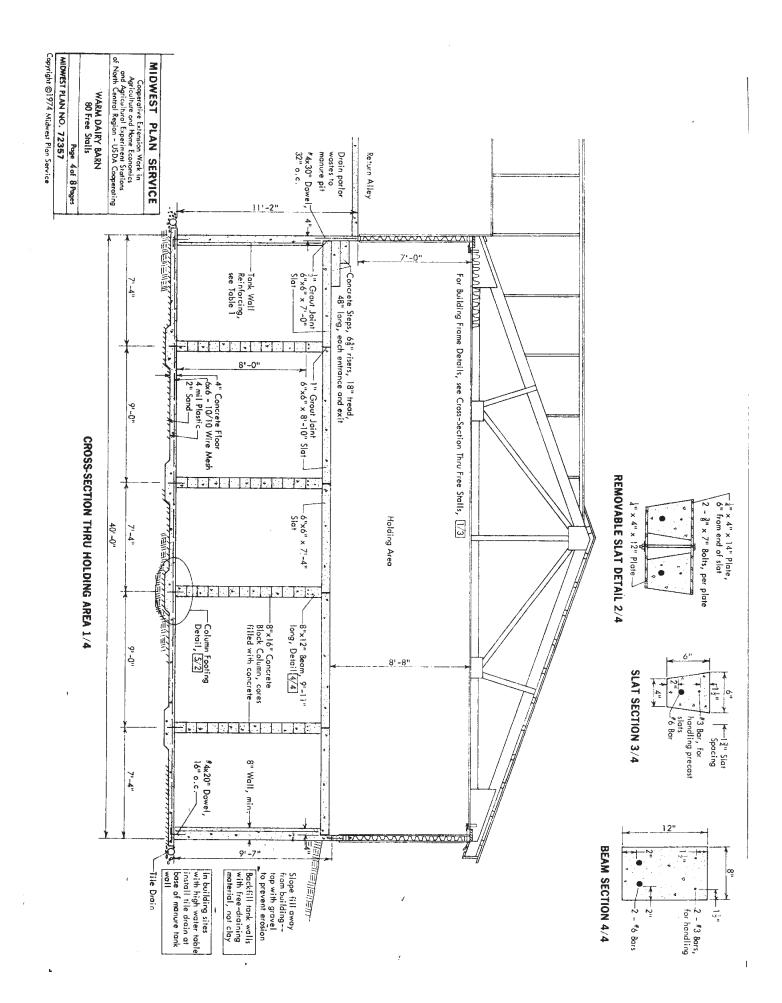
40' Truss Sheet mwps 72359 1 of 10 Coopinght 1978 Wawest Pan Service Ames to 50011 MUDDINEST PLAN SERVICE Cooperative Extension & Research in Agniculture & Home Economics in the 12 North: Central Universities—USDA Cooperating 105 Free Stalls. Slotted Floor DAIRY BARN 8 Pages pius Pian No

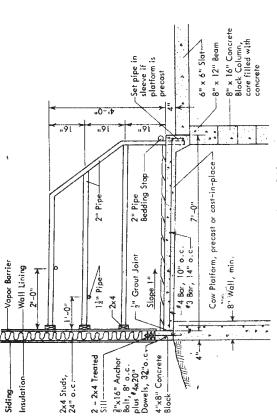
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Page 7 similar to page 5 of 72352









-2x4 Studs, 24" o.c.

..0-.9

3" Ext. Plywood

-2x4 Plate -2x6 Cap

Free Stoll Detail, 177-

- 3"x8" Anchor Bolt, 8' o.c.

-1" Grout Joint 6" x 6" Slat-

> Middle Row Cow Platform, precast or cast-in-place .8" x 16" Concrete Block Column

8" x 12" Beam

1

#3 Bar, 14" o.c." #4 Bar, 10" o.c.

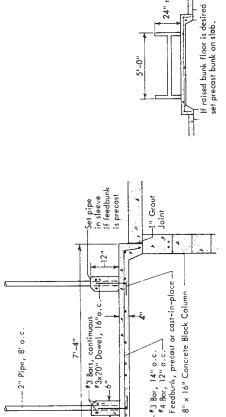
Slope 1"

-2x4 Treated Sill

FREE STALL AND COW PLATFORM 1/7

MIDDLE ROW COW PLATFORM 3/7

Install 1%" pipe training rails if cows turn around in stalls or deposit manure at back of stall. 2 rails will force cow to move back as it gets up so its shoulders can't get caught under the rails.



7

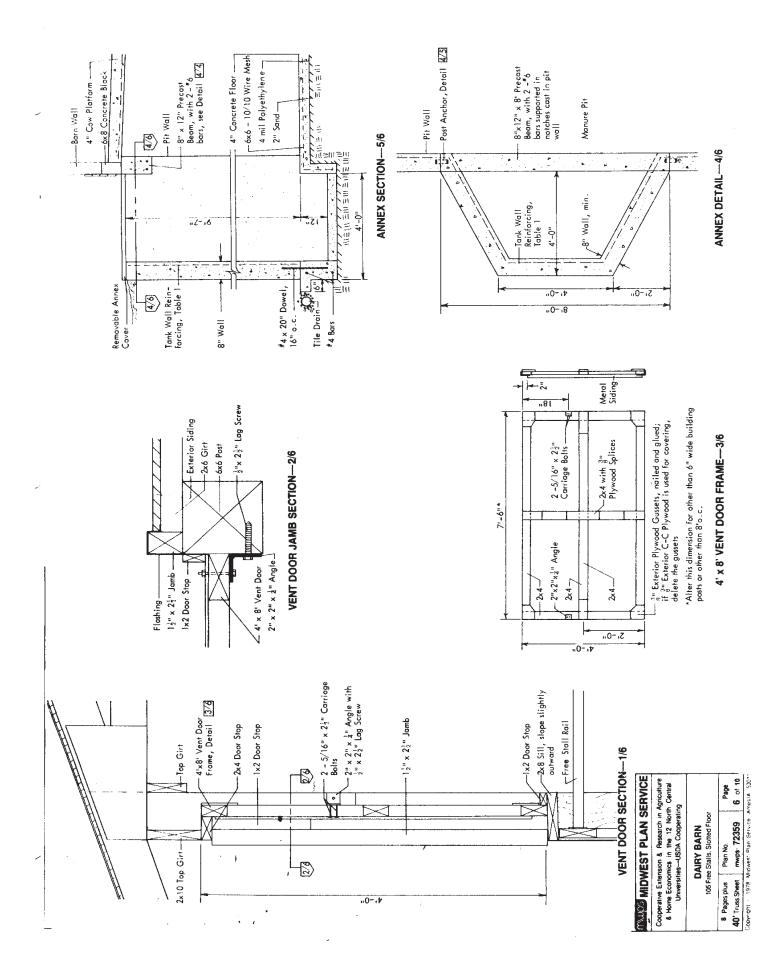
6" × 6"\ Stat ----8" × 12"

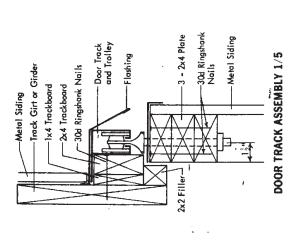
24" max

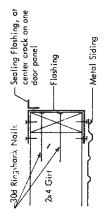
MIDWEST PLAN SERVICE Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating Page 7 of 8 Pages WARM DAIRY BARN 80 Free Stalls

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FEEDBUNK DETAIL 2/7

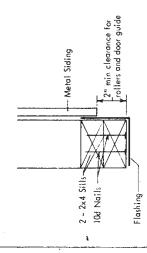




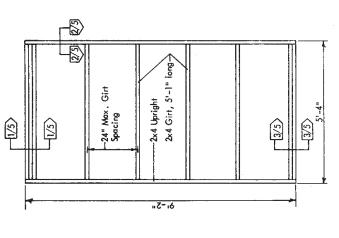


UPRIGHT SECTION 2/5

Extend flashing around uprights and nail to girts and uprights.

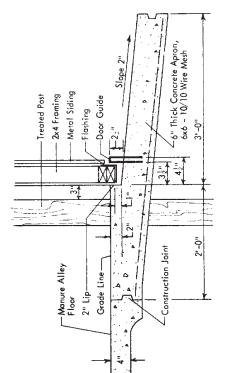


SILL SECTION 3/5



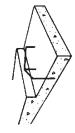
DOUBLE SLIDING DOOR 475

4 Framing



SLIDING DOOR APRON 5/5

Set adjustable roller guides in the concrete apron at door jamb. Use door stops as required.



"U"-Shaped Door Guide

Locate ½" dia x 20" "U"-shaped door guide at center of door opening. Breek at center to force closing door against apron lip. Taper from 42" enter to 23" center clearance.

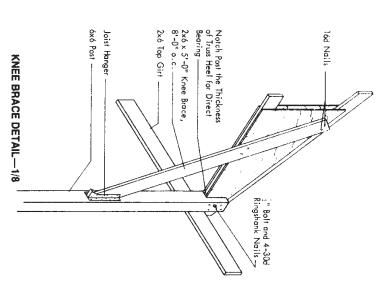
MIDWEST PLAN SERVICE

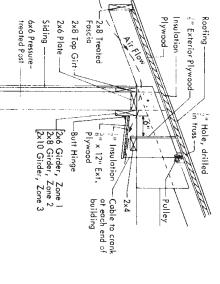
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DAIRY BARN - 62 FREE STALLS
Mechanical Waste Scraper
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ا or less چسکی Plywood Thickness

6d common 8d common 10d common Nail Size

Space nails 6" o.c. at panel support edges

Roof Sheathing (Face grain perpendicular to framing).

PLYWOOD OVER TRUSS-2/8

H-Clip-1 for 24" Spans 2 for 48" Spans

H-CLIP

, (Ruman 6)		
	Truss Spacing	pacing
	24"	48"
Total roof load, 1b/sq ft	ndentification index	ion index
15 psf (South)	16/0	30/12
25 psf (Central)	20/0	36/16
35 psf (North)	±	42/20
45 psf (North, heavy)	24/0	48/24
Or 32/16, 1"		
^Or 42/20, ≟"		

OPTION-ADJUSTABLE EAVE WINTER AIR INLET-3/8

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B Pages plus Plan No

Page

105 Free Stalls, Slotted Floor

DAIRY BARN