MWPS-72356

76' Dairy Barn

100 Free Stalls

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.

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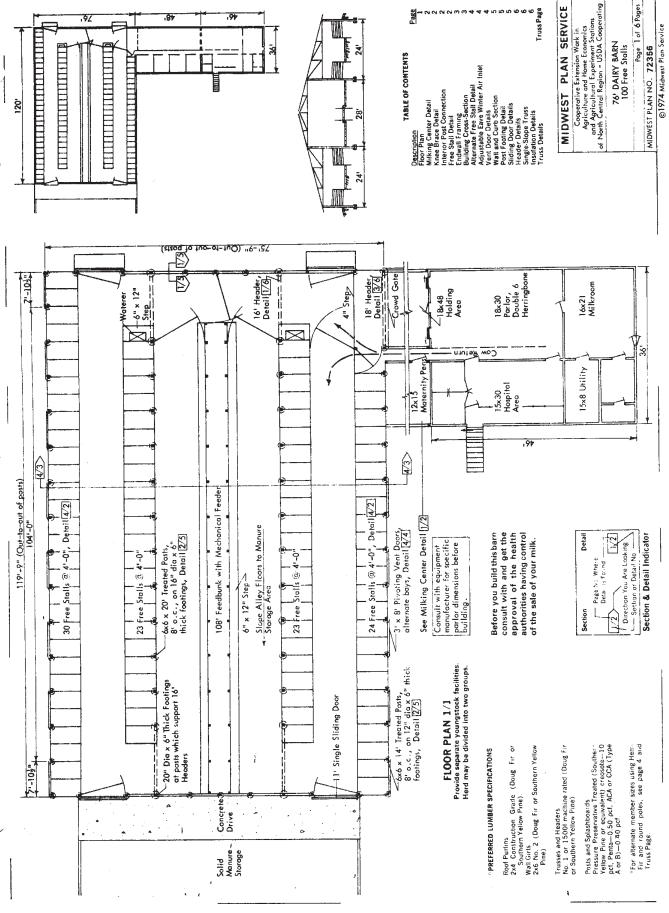
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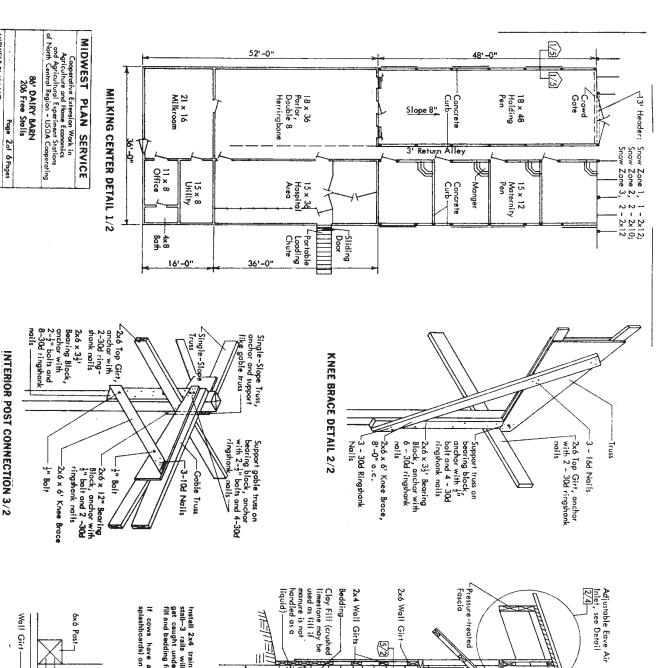
76' Dairy Barn-100 Free Stalls

Title Page

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5/2

2×4

2×6

countersink washers and nuts 2 - g"x5" Machine Bolts--

9'-0"

into 4x4-

Training Rails

200

81"

-3' x 8' Pivoting Vent Door, (summer ventilation), Detail -2x6 x 61-0" Knee Brace, 2/2

4x4 x 7' Pressure-treated Post

Moistureproof Insulation, $R \ge 2$

Metal Roofing

THE THE MENT OF THE PARTY

2×8 2×6

5 - 2x6 T&G Pressure-treated Splashboards

2x8 Form Board

71-0"

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2x10 Form Board -#3x12" Dowel, 24" o.c.

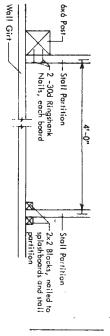
41-0"

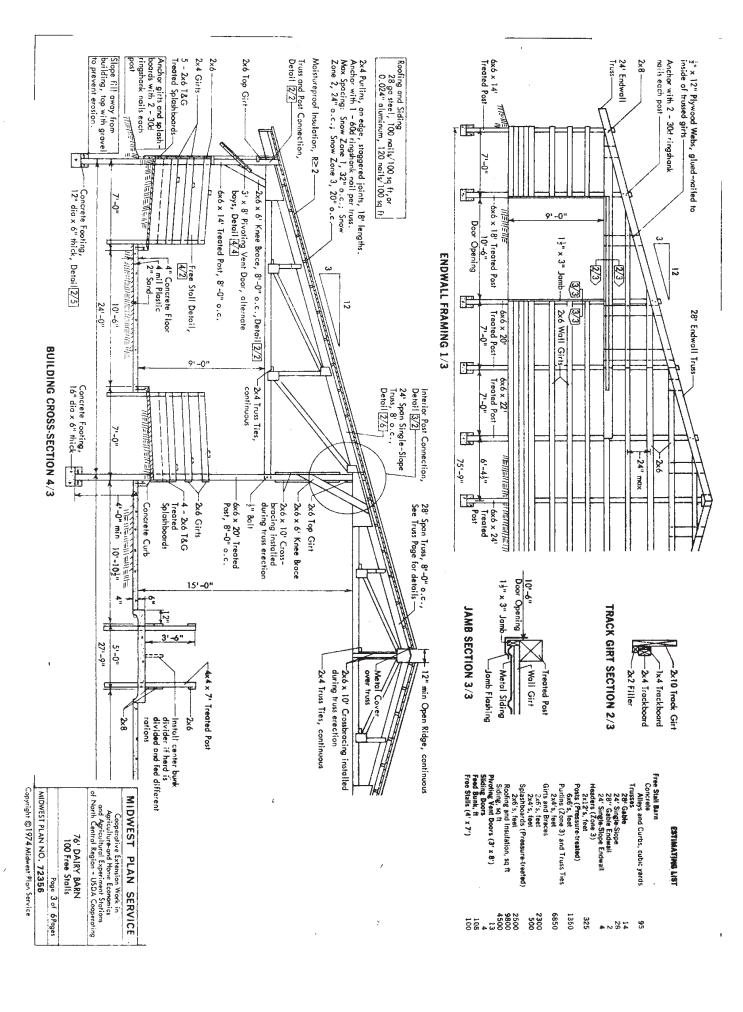


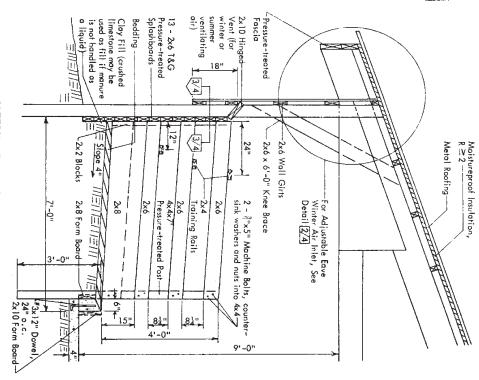
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> Install 2x4 training ralls if cows turn around in stalls or deposit manure at back of stall—3 ralls will force the cow to move back as it gets up so its shoulders can't get caught under the top rail, Install 2x8 bottom stall partition board if cows move fill and bedding from stall causing deep holes in stalls. FREE STALL DETAIL 4/2

If cows have access to outside of building, use wood siding (treated plywood or splashboards) on bottom 4 feet of wall.







ALTERNATE FREE STALL DETAIL 1/4

Install 2x4 training rails if cows turn around in stalls or deposit measure at back of stall—3 rails will force the cow to move back as it gets up so its shoulders can't get caught under the top rails. Install 2x8 bottom stall partition board if cows move fill and bedding from stall to stall causing deep holes in stalls.

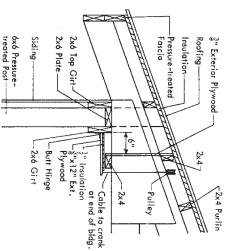


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DAIRY BARN - 62 FREE STALLS Mechanical Waste Scraper

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 Insulation.

Treated Fascia

ADJUSTABLE EAVE WINTER AIR INLET 2/4

To be used in combination with pivoting vent doors or 2x10 hinged vent doors for summer air inlets.

2x8 Sill, slope slightly outward-

1x2 Door Stop

-2 - 5/16" x 2½" Carriage Bolts -2"x2"x¼" Angle with

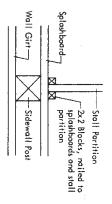
2"x22" Lag Screw, in post

2x6 x 6'-0" Knee Brace

-3'x8' Vent Door Frame, 6/4 --1x2 Door Stop

2x6 Top Girt
2x4 Plate

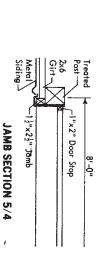
2x6 Girt — Treated Post



WALL CONNECTION 3/4



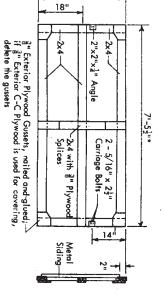
Posts (Round vs Sawn)
6x6 = ASA or ASAE Class 7, 4.8" Top Diameter
Trusses (No. 1 Hem-Fir)
See Truss Page



vent door frame to an eye hook in the sill.

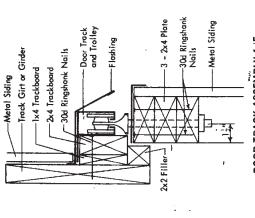
Hold vent door open with a light metal chain from the

VENT DOOR SECTION 4/4

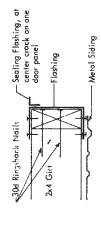


3'-0'

*After this dimension for other than 6" wide building posts or other than 8" o.c. 3' x 8' VENT DOOR FRAME 6/4

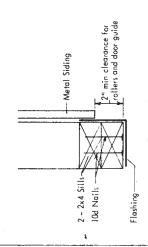




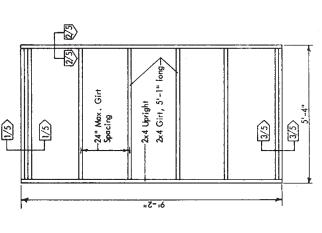


UPRIGHT SECTION 2/5

Extend flashing around uprights and nail to girts and uprights.

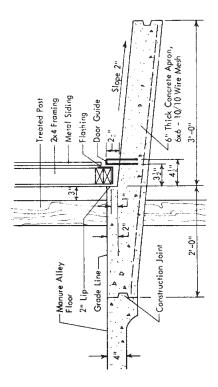


SILL SECTION 3/5

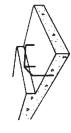


DOUBLE SLIDING DOOR 475

2x4 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" dio x 20" "U"-shaped door guide at center of door opening. Break at center to force closing door against apron lip. Taper from 4½" end to 32" center clearance.

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