MWPS-72441

34' Confined Beef Shed

slotted floor, open-front, fenceline bunk.

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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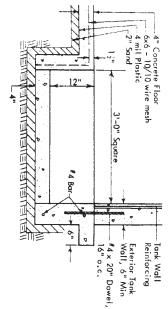
34' confined Beef Shed

Title Page

MIDWEST PLAN NO. 72441

Section & Detail Indicator

Sheet 6 similar to sheet 6 of 72442



SUMP DETAIL-1/2

CONCRETE compressive strength = 3500 psi

Table 1. Manure Tank Wall Reinforcing.

_					
_	0.1184	0.1152	#3,6.8	#3,9.2	**8"
_	0.1756	0.0864	#4,8.4	#3,9.4	6
_	drained soil	drained soil	drained soil	drained soil	Thickness
_	poorly	moderately	poorly	moderately	Wall
	60 psf	30 psf	60 psf	30 psf	
	essure	Soil Pressure	essure	Soil Pressure	
_		STEEL	VERTICAL STEEL		
	t of wall	of steel/st of wall	(bar size, spacing)	(bar size	
	abric (area)	Welded Wire Fabric (area)	ing Bars	Reinforcing Bars	
	O, OUC PSI)	"Grade on (od, out psi)	Grade So (So, OUC psi)	Ocade 50 (

Thickness 6" *NOTE: Flat sheets of welded wire fabric should be used, not rolls. Two layers may be used to provide required steel area. Reinforcing bars (Grade 60, #3, #4, or #5's may be attached to **9" Wall Bars #3,7.3 #4,10.0 Reinforcing HORIZONTAL STEEL *Grade 60 (60,000 psi)
Welded Wire Fabric
0.1440

**NOTE: For 8" wall, beams may be supported in 3"x8"x10" notch in tank wall.

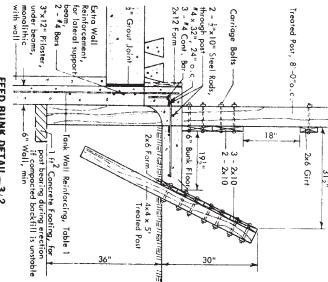
welded fabric to increase steel area.)

34' CONFINED BEEF SHED slotted floor, open-front, fenceline bunk Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating MIDWEST PLAN SERVICE

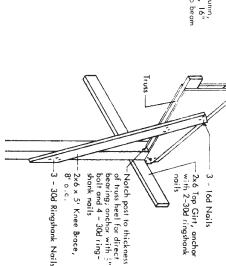
Page 2 of 7 Pages

Capyright @ 1974Midwest Plan Service MIDWEST PLAN NO. 72441

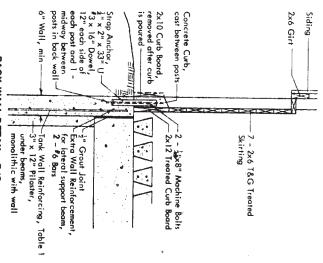
> -- 4" Concrete Floor -- 6x6 - 10/10 wire mesh -- 4 mil Plastic 2" Sand --MASONRY COLUMN FOOTING DETAIL-2/2 2' -8" Square 8"x16" Masonry Column, fill cores with grout, 16" dimension parallel to beam #3 x 16" Dowels



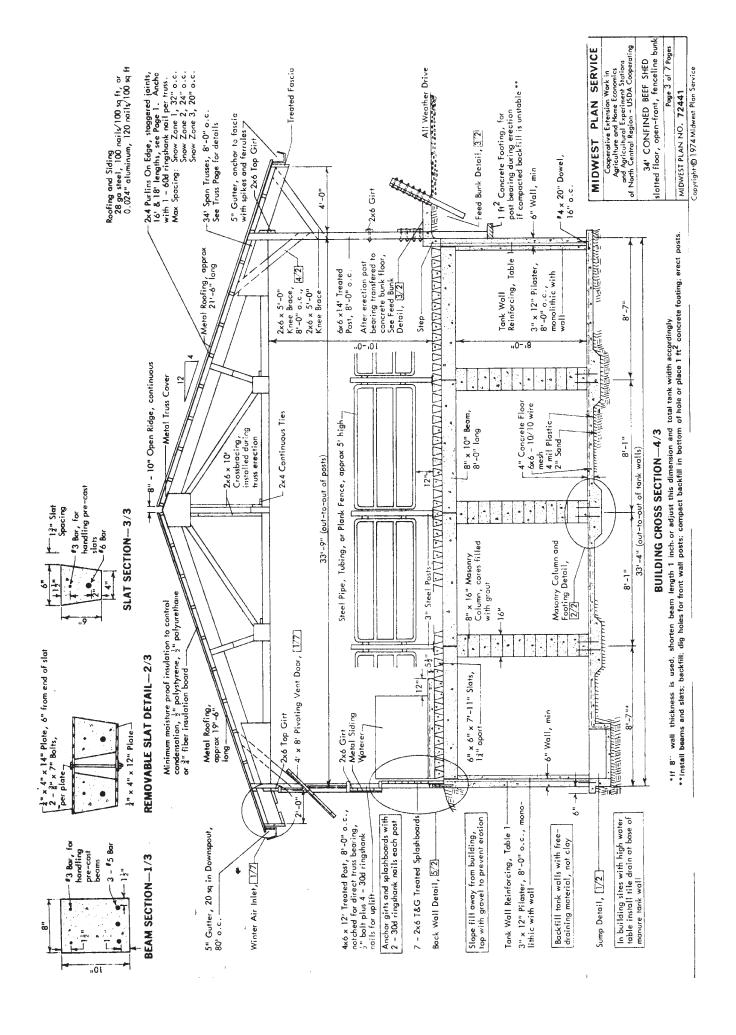
Use 3/8" x 5" Carriage Bolts to fasten 2x10's to pipe. After erection post bearing transferred to concrete bunk floor by '/s' steel rods and 2x10 liner. FEED BUNK DETAIL-3/2

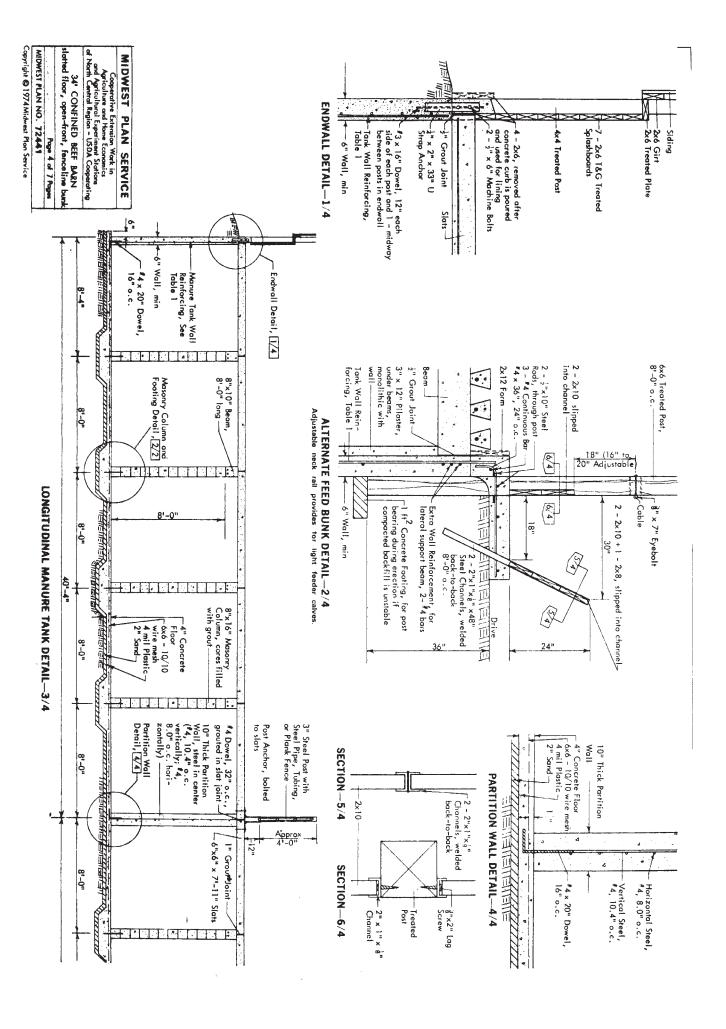


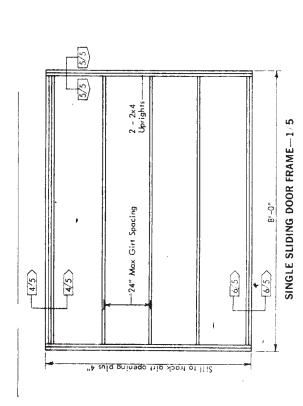
KNEE BRACE DETAIL-4/2



BACK WALL DETAIL-5/2

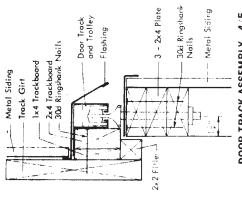




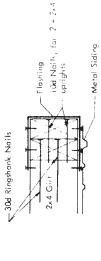


Alternate Lumber Specifications, Spacing and Sizes

2x4 Roof Purlins (Construction Grade Hem-Fir)
Max Specific 3.28" o.c.
Snow Zone 2: 24" o.c.
Snow Zone 3: 18" o.c.
Snow Zone 3: 18" o.c.
Trusses (No. 2 Hem-Fir)
Max Specific 20" o.c.
Trusses (No. 1 Hem-Fir)
Posts (Round vs Sawn)
6x6 = ASA or ASAE Class 7: 48" Top Diameter
4x6 = ASA or ASAE Class 3: 48" Top Diameter
4x4 = ASA or ASAE Class 10: 3.8" Top Diameter

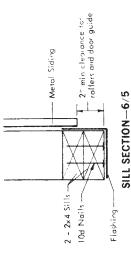


DOOR TRACK ASSEMBLY-4/5



Beveled Purlin

UPRIGHT SECTION—5/5 Extend flashing around uprights and nail to girts and uprights.



SECTION-3/5

- 2x12 Treated Curb Board

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slotted floor, open-front, fenceline bunk

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BACK WALL FRAMING—2/5 Sliding door for pit access with manure pump.

Pit Wall

-Door Guide -Guide Board -Sliding Door Frame —Trackboard —Filler Pir Wall - Jamp -FO [7] 7 - 2x6 T&G Treated Splash-boards hinged to form a gate Removable 2x8
Treated Sill 2x6 Top Girt— 2x10 Track Girt 4x6 x 12' Treated Post-Knee Brace Веат Truss Slats -13/5 3/5

> Hinged Splashboards to form gate — Removable 2x8 Treated Sill

> > 7.1½" x 3" Guideboard, on edge 2x6 1&G Treated Splashboards

2x4 + 1x4 Trackboards 2x2 Filler

- Iruss

2x6 Top Girty

7-2x10 Track Girt

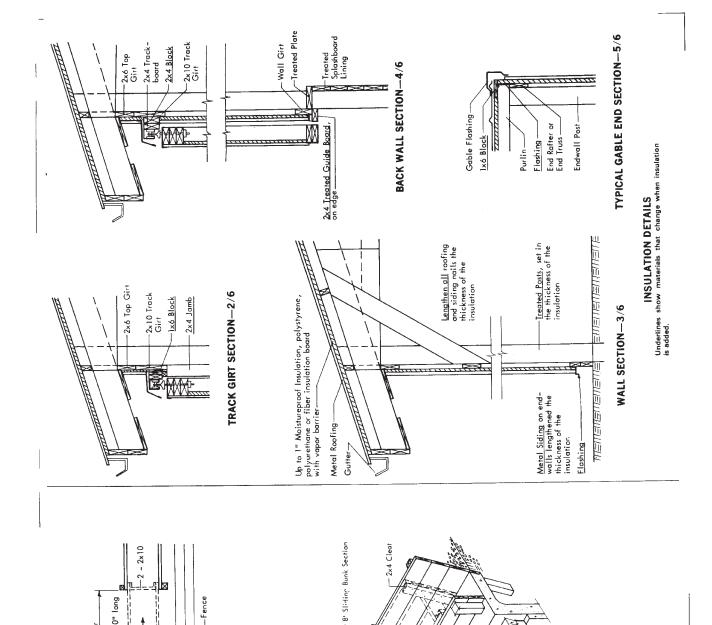
2x4 Beveled Purlin -

13" × 3" Jamb

4x6 x 12' Treated Post, set on pit wall

r-2x6 Woll Girt

4x8 Pivoting Door



2x4 Cleat

Hanger for removable 2x6

2 - 2×10 × 8'-0"

2x6-

-2 - 2×10

† ↓

-Fence

L-Slats

Section, 8'-0" long

7' Clear

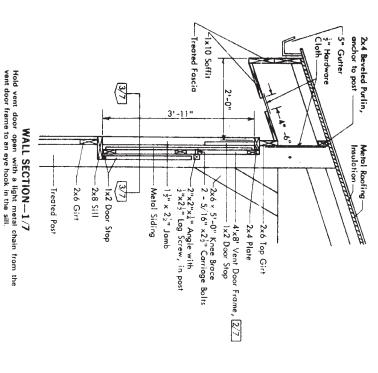
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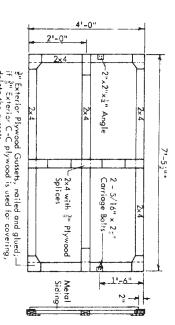
Concrete Beam Partition Wall

SLIDING BUNK DETAIL—1/6 Build sliding sections after main bunk is in place, adapt dimensions as needed.

CONFINED BEEF, 34' SHED ROOF
Stated Four. Open Front.

| Stated Four. Open Front. | Page | Pan No. | Page | Page | Pan No. | Page | Page





Manure Tank
Floor
Concrete, cubic yards
Concrete, cubic yards
Welded wire fabric, lbs
Walls (6 in., 30 ib sq ft load)
Concrete, cubic yards
Steel, Grade 36, lbs

ESTIMATING LIST

Masonry block, 8" x 16" Beams, 8" x 10" x 8'- 0" Slats, 6" x 6" x 7' - 11"

432 36 1000

19

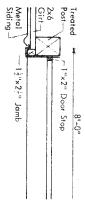
Columns

95 6600

4' x 8' VENT DOOR FRAME--2/7

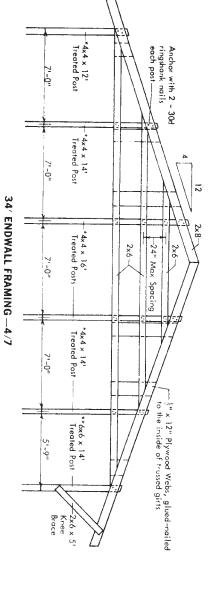
*Alter this dimension for other than 6" wide building posts or other than 8" o.c.

delete the gussets



JAMB SECTION—3/7

VENT DOOR DETAILS



Bring wat WATERER DETAIL-5/7

-Water Supply

e	line	into	er line into building next to pit partition wall.
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Truses
3 4 It trusses
Endwall trusses
Endwall trusses
Posts (pressure-treated)
546 feet
444 feet
444 feet
Purlins (Zone 3) and Truss Ties
244's, feet
Wall Grits, Braces, Guard Rails
246's, feet 4650 310 260 150

Roofing and Siding, sq tt Pivoting Vent Doors (4' x 8') Sliding Doors (7' x 8') Feed Bunk, feet Fencing, feet

7 çİnsulated Wrap Freeze-proof Waterer

Freeze-proof Cutoff Valve 10" Clay Tile 4'-0" Pit Partition • Wall LHeat Tape in Cold Climate 0

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*These posts set on pit wall.

**These posts set in ground.

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