MWPS-72672 Farrow and Start

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

This plan provides conceptual information only. **Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan.** 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.

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
Farrow and Start
Title Page
MIDWEST PLAN NO. 72672

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Pla	Far

This plan is for a 22 x36' stud-frame building housing 12 tarrowing sown in pens. Capacity. Four farrowings per year with two 12-sow herds, yields 48 litters per year, if pigs are held until 40 to 50 to.

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Perspective

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Unit and the set of th

Utilities

Heat:

Desired room temperature is about 70 F. Provide a 2000 Buirth space heater Provide in the creep areas: 100 Buurh if' to hol water or 30 watts if' for election heat. Install hovers over the creep areas. Hovers need not be installated-try tempered hardboard, sheet need not be installated-try tempered hardboard, sheet need to be availated-try. ٧

Ventilation:

Select AMCA-rated fans for the stated capacity at 1% Select AMCA-rated fans for the stated capacity at 1% protect workers from fan blades. Wire each fan on a separate circuit. Use sth'sed switch (sized at 12% of fan amperage) on each fan at fan location in histallouvers (% if net/ree aree aech) in each gable. Consider circulation fans of zone cooling to cool the sow on hhi caim days. Refer to MWPS-8. Swine Housing and Equipment Handbook, for more information.

Lighting and wiring:

pens, sow wash, and storage area. Use dust- and mois-ture-tight incandescent light fixtures with a heat resistant globe to cover the lightbulb. Provide electrical outlets for 250-watt heat lamps at each pen. All wring devices, boxes, and fittings must be dust- and moisture-tight and Install 150-watt incandescent ceiling lights centered over made of corrosion resistant materials.

Service entrance panel: Plastic, watertight, dust-tight type.

Protect swine from fan failure

Fans and electrical supply systems occasionally fail, possi-bly leading to swine death by asphyxiation or toxic gas poison-ing. Consider the following:

Install a loud automatic warning system to alert anyone at or near the farmstead.

virtuer ure functionated.
 virtuer ure functionationation of the someone baby sit your animals if you are going to be away for more than a few hours. If there are storm warmings aut, or if your head is in an especially sensitive stage (a number of newborn filters, for example).
 Statistical and the source of newborn filters, for example, stage (a number of newborn filters, for example).
 Statistical and the source of newborn filters, for example, stage (a number of newborn filters, for example).
 Statistical and the source of newborn filters, for example, stage (a number of newborn filters).
 Statistical and the source of new formation panels to propped partly or fully open.
 Consider an automatic statistical solution for the education once a month to ensure it will work when here and the power fails.

Concrete Use 3500 psi concrete with 7% air entrainment. Use steel of at least 40,000 psi yield.

Slats

Woren wire, flat wire mesh, metal, or fiberglass rein-increditatic stata are preferred or wortwire and wire mesh require supports in a 12° or. yund arrangement. Use stats capable of supporting 56 pst. If using con-crete slats, obtain 4° or narrower slats and space slats. ⁹% a part.

MDD piywood is C.-C exterior with medium density overlay it is an excellent base for paint. Paint with two coats of good quality plants between inside wall liners to prevent moisture mgration through joints. Martinum specing Martinum specing to pet source beat 24° o.c. 45 pet * . . 20° o.c. 51agger end joints Fasten purifins at each truss with Stagger end joints Fasten purifins at each truss with Studs Studs Construction grade (Doug fit, southern pine, or hem Provision of state (body main prime, or non-prime, or non-prime)
 Provision of state (body mains)
 Provision of the prime of the prime prime prime prime of the pri Ai least 2*24* waterproof expanded, extruded poly-styrene matuation, installa protective liner. Mgn den-sity riberglass reinforced pastic or N² cement asbesto soad preferent X² reinpedent hardboard or % foundation grade plywood resists physical damage but are not rodentproof, install flashing from behind skingt to cover top of insulation and its protective material. FRP plywood is a composite material using plywood overland with layer of plastic. It is most une resistent and more durable and easier to clean than plywood. Use with "T* strips and alloche caulk at joints as described under MDO plywood. Roof purlins Construction grade (Doug lir, southern pine, or hem fir) 2x4 purlins, flat (P. T. means lumber pressure preservative treated against insect and fungus attack.) Perimeter insulation Frusses See Truss page. Materials

Service Alley

Areas Pens

Creep / Sow

Sow Wash

Barn Cleaner

Service Alley Barn Cleane

351

Storage |

Pens

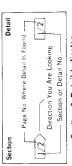
Sow

Creep Areas Service Alley

Floor Plan 36'

Related Midwest Plan Service Publications

MWPS-8, Swine Housing and Equipment Handbook.
 AED-22, Titl-Up Concrete Construction for Agriculture.





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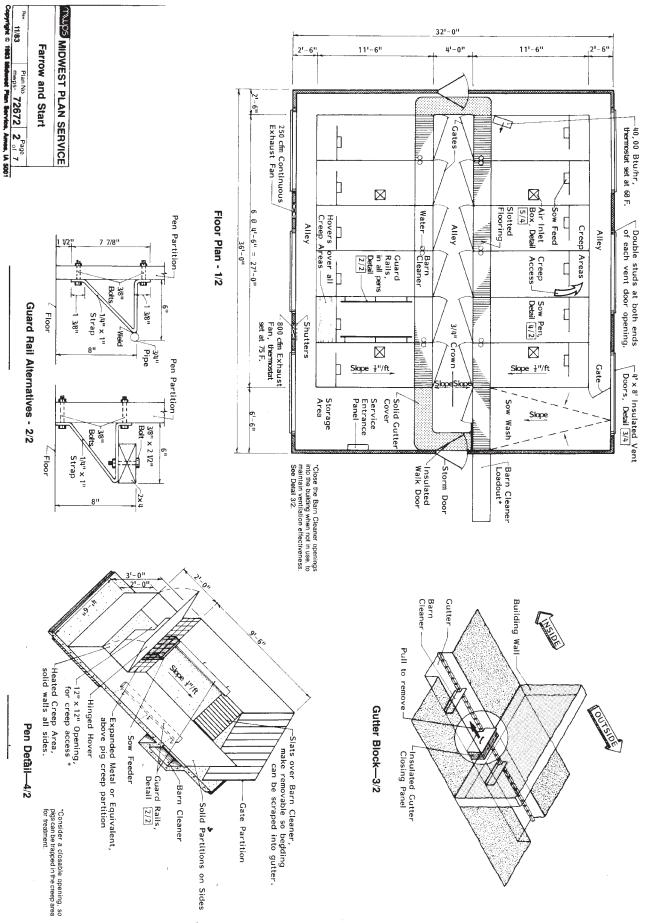
 32' Truss Sheet
 mwps 72672
 1 of 7

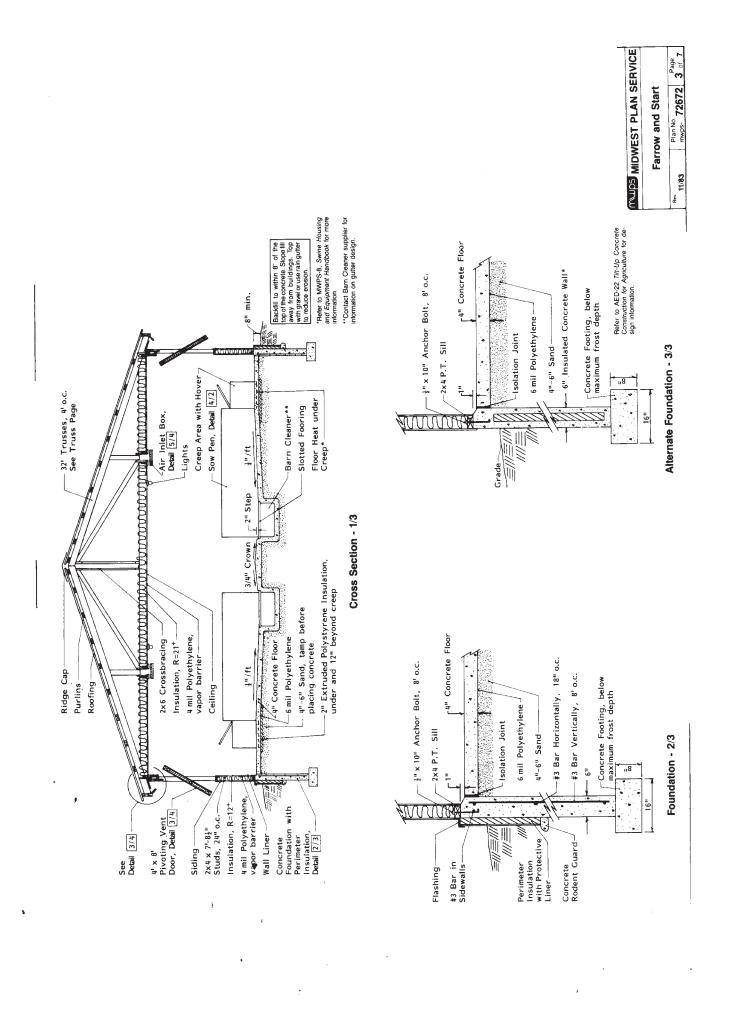
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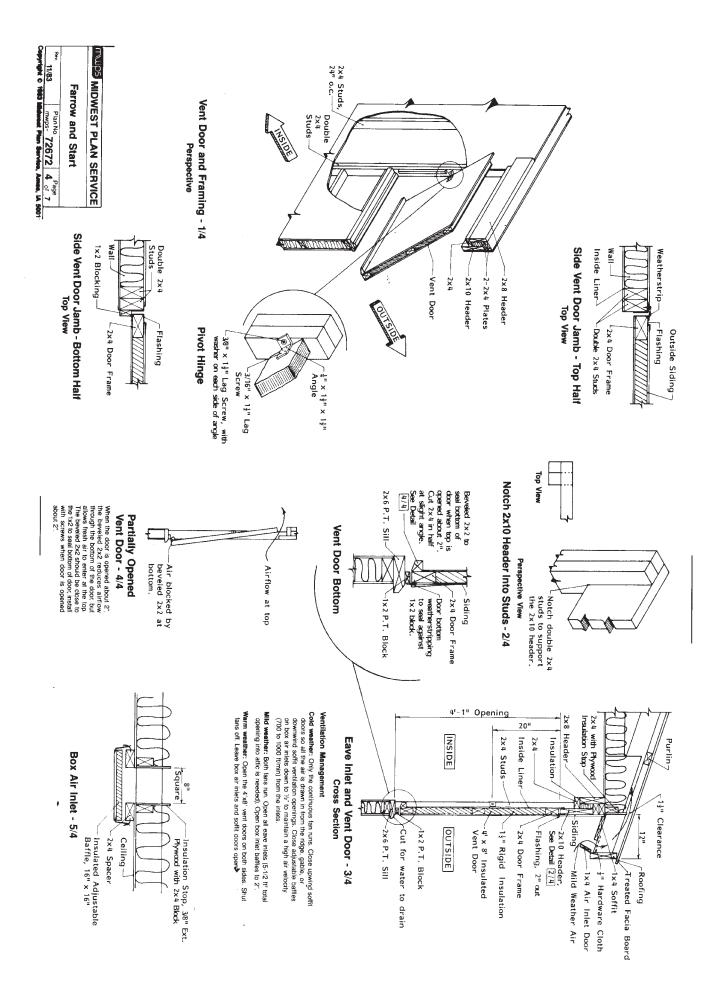
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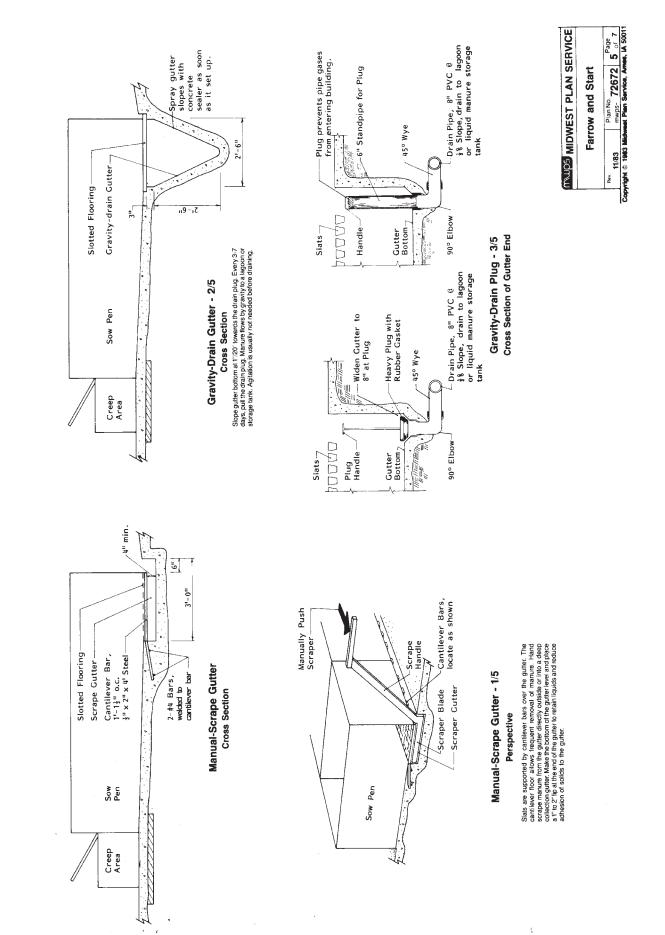
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Alternative Manure Handling Methods

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