1-1-1967


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1967/1968

CATALOG
of
PLANS DIGESTS BOOKS

Livestock facilities
Storage buildings

FARM BUILDING PLAN SERVICE
DEPARTMENT OF AGRICULTURAL ENGINEERING
PURDUE UNIVERSITY
LAFAYETTE, INDIANA 47907

Cooperative Extension Service PURDUE UNIVERSITY Lafayette, Indiana
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Introduction

The plans described in this catalog can be helpful to those who know which building they will use and also to those who are gathering data from which to choose a type of building that is needed. The plans have sufficient drawings and specifications to guide a competent and experienced builder.

Most of the books described on pages 3 and 4 contain much planning information. These books should be consulted if you are gathering information for new buildings or for remodeling. The planning information is very useful when designing and planning the arrangement and management of the inside of the building. The books also contain many plans for small equipment useful in any livestock operation.

Agricultural Engineers' Digests cover subjects of current interest to both laymen and engineers. The material presented is not necessarily field proven, but may contain recent research findings, careful observation, or new recommendations.

How To Order:

Buy at your COUNTY EXTENSION OFFICE

OR

Plan
Send Book NUMBER and REMITTANCE to:
Agricultural Engineering Extension
Your State University

Farm Building Plans
Cooperative Extension Service
Box B
College, ALASKA 99645

Agricultural Engineering Department
University of Illinois
Urbana, ILLINOIS 61801

Agricultural Engineering Department
Purdue University
Lafayette, INDIANA 47907

Room 200 Agricultural Engineering
Iowa State University
Ames, IOWA 50010

Umberger Hall
Kansas State University
Manhattan, KANSAS 66504

Agricultural Engineering Department
Michigan State University
East Lansing, MICHIGAN 48823

Agricultural Engineering Department
University of Minnesota
St. Paul, MINNESOTA 55101

Agricultural Engineering Department
University of Missouri
Columbia, MISSOURI 65201

Agricultural Engineering Department
University of Nebraska
Lincoln, NEBRASKA 68503

Agricultural Engineering Department
North Dakota State University
Fargo, NORTH DAKOTA 58103

Agricultural Engineering Department
Ohio State University
2073 Neil Avenue
Columbus, OHIO 43210

Agricultural Engineering Department
South Dakota State University
Brookings, SOUTH DAKOTA 57007

Agricultural Engineering Department
University of Wisconsin
Madison, WISCONSIN 53706

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MIDWEST PLAN SERVICE
Iowa State University
Ames, Iowa
CONTENTS

BOOKS (Pages 3 & 4)

MWPS-3 Sheep Equipment Plans
MWPS-4 Home Improvement Plans
MWPS-5 Poultry Equipment Plans
MWPS-6 Beef Equipment Plans
MWPS-7 Dairy Equipment Plans
MWPS-8 Swine Equipment Plans
MWPS-9 Designs for Glued Trusses
MWPS-10 Designs for Split Ring Trusses
MWPS-11 Designs for Nailed Trusses
RCD Nuclear Fallout Shelter

DIGESTS (Page 5)

AED-1 Lagoon Manure Disposal
AED-2 Free Stalls for Dairy
AED-3 Individual Sow Stalls
AED-4 Swine Environment Monograph
AED-5 Truss Reactions & Girder Design
AED-6 Gluing Wood
AED-7 Grain Bin Floors and Foundations
AED-8 Handling Liquid Manure
AED-9 Paints and Painting
AED-10 Housing for Gestating Sows

BUILDING PLANS

SWINE BUILDINGS (Pages 6, 6a & 6b)

P72613 1 8' x 8' barn house
P72620 2 8' x 20' pull-together house
M72630 4 Portable farrowing houses
P72645 1 10' x 20' pull-together house
P72659 1 10' x 12' sleeping shed
M72666 1 Single row farrowing house
M72671 3 Farrow-to-start--16 farrowing stalls
M72672 3 Farrow-to-start--32 1/4' x 13/4' pens
M72673 3 24' open front finishing unit
M72674 3 Total slatted floor finishing
M72675 3 36' confined finishing unit
M72677 3 24' farrowing bldg.--16 stalls on slats
M72678 4 Starting bldg.--6 pens on slats
P72680 4 30' x 34' farrowing house
P72685 1 15' x 48' pole nursery unit
P72686 1 20' x 48' pole finishing unit
P72691 1 20' x 20' sun shade

BEEF BUILDINGS (Page 8)

M72425 4 Confined beef feeding
M72426 4 Beef layout inside feeding
M72427 4 Beef layout outside feeding
M72432 3 Pole beef barn
US930 2 Bunker-type fallout shelter

HORSE BUILDINGS (Page 8a)

US175 1 7' x 9' horse stalls
US838 2 22' x 34' riding horse barn
US943 2 6' x 11' horse trailer
US994 2 20' x 60' riding horse barn

POULTRY BUILDINGS

(Pages 8b & 9)

M72712 1 20' x 20' small flock, brooder house
M72713 2 28' x 96' frame poultry house
M72714 2 28' x 96' pole poultry house
M72715 1 12' x 14' movable brooder
M72716 1 12' x 14' shed movable brooder
M72743 4 2-story laying house
M72746 4 Solar oriented laying house
M72748 3 2000-bird pole laying house
M72750 2 Summer laying house
M72753 4 36' laying house (floor systems)
M72754 4 40' cage laying house
M72761 4 5000-bird broiler house

HAY & SILAGE STORAGE

(Pages 12 & 13)

M73103 2 50-ton haykeeper
M73104 2 24' pole hay sheds
M73105 2 30' " " " "
M73106 2 36' " " " "
M73107 2 40' " " " "
M73108 2 48' " " " "
P73112 1 28' x 28' pole hay storage
M73301 1 Silo, portable sections
P73311 1 Pole horizontal silo
P73312 1 Concrete horizontal silo
# CONTENTS

## UTILITY BUILDINGS (Page 10)

<table>
<thead>
<tr>
<th>Code</th>
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<td>M72046</td>
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<td>M72067</td>
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<td>M72074</td>
<td>3</td>
<td>Masonry</td>
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<td>M72087</td>
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## TRUSSES & FRAMING (Pages 10 & 10a)

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<td>U72008A</td>
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<td>32' span braced rafter</td>
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<tr>
<td>U72008B</td>
<td>1</td>
<td>34' span braced rafter</td>
</tr>
<tr>
<td>U72008C</td>
<td>1</td>
<td>36' span braced rafter</td>
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<tr>
<td>U72009</td>
<td>1</td>
<td>Shutter roof truss</td>
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<tr>
<td>U72010</td>
<td>1</td>
<td>Scissors truss</td>
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<tr>
<td>U72015</td>
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<td>30' span gable, glue</td>
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<tr>
<td>M72033</td>
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<td>60' span gable, glue</td>
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## MACHINERY STORAGE (Page 12)

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<tbody>
<tr>
<td>M74101</td>
<td>1</td>
<td>One-car garage</td>
</tr>
<tr>
<td>M74102</td>
<td>1</td>
<td>Two-car garage</td>
</tr>
<tr>
<td>M74119</td>
<td>3</td>
<td>30' x 30' shop</td>
</tr>
<tr>
<td>M74139</td>
<td>3</td>
<td>Gothic roof machine shed</td>
</tr>
<tr>
<td>M74142</td>
<td>4</td>
<td>Machinery shed - 30' side opening</td>
</tr>
<tr>
<td>M74143</td>
<td>4</td>
<td>Machinery shed - 40' end opening</td>
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## GRAIN STORAGE (Pages 10b, 10c, 10d & 11)

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<tbody>
<tr>
<td>U5532</td>
<td>3</td>
<td>30' x 31', 10,000 bu. grain storage</td>
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<tr>
<td>P73211</td>
<td>3</td>
<td>700 bu drive-under hopper bottom</td>
</tr>
<tr>
<td>P73212</td>
<td>3</td>
<td>375 bu walk-under hopper bottom</td>
</tr>
<tr>
<td>P73215</td>
<td>3</td>
<td>10 ton 3-compartment grinding bin</td>
</tr>
<tr>
<td>M73217</td>
<td>4</td>
<td>Small hopper bottom feed bins</td>
</tr>
<tr>
<td>M73220</td>
<td>4</td>
<td>48' grain storage</td>
</tr>
<tr>
<td>M73236</td>
<td>2</td>
<td>28' ear corn crib</td>
</tr>
<tr>
<td>M73238</td>
<td>3</td>
<td>28' pole ear corn crib</td>
</tr>
<tr>
<td>P73241</td>
<td>2</td>
<td>Auger dump pit</td>
</tr>
<tr>
<td>M73250</td>
<td>4</td>
<td>Small storage buildings</td>
</tr>
<tr>
<td>M73256</td>
<td>2</td>
<td>2500 bu. 4-bin granary</td>
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<tr>
<td>M73257</td>
<td>3</td>
<td>8000 bu. granary</td>
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<tr>
<td>M73258</td>
<td>4</td>
<td>10,000 bu. gable storage</td>
</tr>
<tr>
<td>M73259</td>
<td>3</td>
<td>10,000 bu. gothic storage</td>
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<td>M73260</td>
<td>4</td>
<td>15,000 bu. gable storage</td>
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<tr>
<td>M73271</td>
<td>1</td>
<td>Single pole crib</td>
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<tr>
<td>M73272</td>
<td>1</td>
<td>Single frame crib</td>
</tr>
<tr>
<td>M73280</td>
<td>1</td>
<td>Double pole crib</td>
</tr>
<tr>
<td>M73281</td>
<td>2</td>
<td>Double crib 11' alley</td>
</tr>
<tr>
<td>M73282</td>
<td>3</td>
<td>Double crib 11' alley</td>
</tr>
<tr>
<td>M73283</td>
<td>3</td>
<td>Double crib overhead bin</td>
</tr>
<tr>
<td>P73291</td>
<td>6</td>
<td>Grain-feed handling center (6-15,000 bu.)</td>
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<tr>
<td>P73292</td>
<td>12</td>
<td>Grain-feed handling center (12-40,000 bu.)</td>
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## MISCELLANEOUS PLANS (Pages 14, 15, & 16)

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<td>U5176</td>
<td>1</td>
<td>8' x 11' vegetable cellar</td>
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<tr>
<td>U5188</td>
<td>1</td>
<td>Fireplace &amp; picnic table</td>
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<tr>
<td>U5189</td>
<td>1</td>
<td>10' x 18' sash greenhouse</td>
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<tr>
<td>U5193</td>
<td>1</td>
<td>12' x 24' roadside stand</td>
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<tr>
<td>U5198</td>
<td>1</td>
<td>Incinerator</td>
</tr>
<tr>
<td>U5694</td>
<td>1</td>
<td>26' x 26' bunkhouse</td>
</tr>
<tr>
<td>U5699</td>
<td>1</td>
<td>6' x 12' roadside stand</td>
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<tr>
<td>U5746</td>
<td>1</td>
<td>8' x 10' root cellar</td>
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<tr>
<td>U5927</td>
<td>5</td>
<td>80' x 183' potato storage</td>
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<tr>
<td>U5929</td>
<td>2</td>
<td>24' x 24' frame two-car garage</td>
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<tr>
<td>U5930</td>
<td>2</td>
<td>24' x 24' pole two-car garage</td>
</tr>
<tr>
<td>U5934</td>
<td>1</td>
<td>9' x 12' fallout shelter</td>
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<tr>
<td>U5941</td>
<td>2</td>
<td>5' x 8' greenhouse</td>
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<tr>
<td>U5942</td>
<td>1</td>
<td>Irrigation pipe trailer</td>
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<tr>
<td>U5946</td>
<td>1</td>
<td>8' x 12' greenhouse</td>
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<tr>
<td>U5957</td>
<td>4</td>
<td>Blast &amp; fallout shelter</td>
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<td>U5966</td>
<td>1</td>
<td>12' x 16' bag fertilizer storage</td>
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<tr>
<td>U5971</td>
<td>1</td>
<td>6' x 6' hotbed &amp; propagating frame</td>
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<td>U5975</td>
<td>2</td>
<td>Boat landing</td>
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<td>60,000 GWT potato storage</td>
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<td>Manure tank</td>
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<td>8' x 16' roadside stand</td>
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<td>U5984</td>
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<td>U5988</td>
<td>8</td>
<td>20,000 GWT potato storage</td>
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<td>U5996</td>
<td>1</td>
<td>Poultry incinerator</td>
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<td>M74001</td>
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<td>Pump house</td>
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<td>P74251</td>
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<td>4' x 10' oil &amp; grease storage</td>
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<tr>
<td>M80001</td>
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<td>Wood preservatives tank</td>
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**HOUSE PLANS:** A catalog listing of all house plans available from the Farm Building Plan Service can be obtained upon request.

**USDA PLANS:** Included in this catalog are several USDA plans suitable for Indiana agriculture. A complete list of all USDA plans is available from the Farm Building Plan Service upon request.
BOOKS

SHEEP EQUIPMENT PLANS MWPS-3 $1.00
Layout suggestions for lambing and feeding operations are included in this 40-page book. Complete construction drawings show feeders, pens and fences, handling equipment, sorting and loading chutes, etc.

HOME IMPROVEMENT PLANS MWPS-4 $1.00
A 40-page book giving space requirements and planning information for all rooms of the home. Construction drawings include cabinets, room dividers, and storage closets. Attention is given to lighting, dry basements, insulation, and use of various materials and hardware.

POULTRY EQUIPMENT PLANS MWPS-5 $1.00
This 28-page book gives housing requirements for chickens, turkeys, pigeons and rabbits. Construction drawings are included for feeding, watering, and handling equipment.

BEEF EQUIPMENT PLANS MWPS-6 $1.00
This 72-page book gives complete recommendations for the design and layout of beef feeding systems. There are construction drawings for bunkers, feeders, handling equipment, sun shades, fencing, etc.

DAIRY EQUIPMENT PLANS MWPS-7 $1.00
Specifications and construction suggestions are given for stall and loose housing, milking plants and milk-houses, and housing for calves, dry stock, and bulls. The 72 pages also include bunks and feeders, pen and stall equipment, handling equipment, and fencing.

SWINE EQUIPMENT PLANS MWPS-8 $1.00
This 68-page book gives complete recommendations for the design of swine production units. Ventilation, space requirements, slotted floors and manure handling are covered in detail. There are drawings for feeders, pens and stalls, handling equipment, fencing, etc.

1967-1968 Catalog
MIDWEST PLAN SERVICE
Ames, Iowa 50010
BOOKS

DESIGNS FOR GLUED TRUSSES MWPS-9 $1.00
This 28-page book contains 150 detailed truss designs for 4:12 one-slope and two-slope trusses. Selection of glue and lumber, construction, bracing, and erection procedures are some of the subjects covered.

DESIGNS FOR NAILED TRUSSES MWPS-11 $1.00
This 32-page book contains 150 detailed designs for 4:12 one-slope and two-slope trusses. Selection of nails and lumber, construction, bracing, and erection procedures are some of the subjects covered.

DESIGNS FOR SPLIT RING TRUSSES MWPS-10 $1.00
This 36-page book contains 150 detailed designs for 4:12 one-slope and two-slope trusses. Recommendations are given for selection of wood, construction, erection, bracing, use of split rings, and roof and ceiling application.

CONTEMPORARY FARMHOUSES,
Flexiplan 71204, $3.50
You match any of the 24 plans for the living-working area — kitchen, dining room, living room, utility room — with any of the 24 plans for the bedroom area — bedroom, bathroom, den — to make a plan that fits your family. There are 576 basic plans, plus reverse plans, alternates, etc. There are also 20 big 11 x 17 pages of information on planning, construction, foundations, storage, utilities, etc.

This book was developed by a special committee of the Midwest Plan Service. This was in response to a request and grant from the Federal Extension Service of the U.S. Department of Agriculture. Committee members represented the Agricultural Engineering Departments and Civil Defense programs of their respective universities.

This 20-page book contains information that can help you plan and construct both family and livestock shelters.

COPIES OF THIS BOOK ARE AVAILABLE FROM THE STATE UNIVERSITIES IN ALL 50 STATES, FREE.
AGRICULTURAL ENGINEERS’ DIGESTS

Price
1-9 — Free
10-99 — 10¢ Each
100 + — 5¢ Each

Agricultural Engineers'Digests cover subjects of current interest to both laymen and engineers. The material presented is not necessarily field proven, but may contain recent research findings, careful observation, or new recommendations.

AED-1 LAGOON MANURE DISPOSAL
Explains the ways lagoons function — both aerobic and anaerobic. Recommendations include (1) the site location based on distance from a farmstead and on soil type; (2) loading rates; (3) area requirements; and (4) construction of inlets and outlets.

AED-2 FREE STALLS FOR DAIRY
Explains what free stalls are and some advantages. Management suggestions include cleaning, manure disposal, ventilation, and size to make the alleys and pens. Three different arrangements are shown. Drawings for four types of stalls are included.

AED-3 INDIVIDUAL SOW STALLS
Some benefits of individual feeding stalls are given. Construction details of concrete, pipe, and wood stalls are shown.

AED-4 NOMOGRAPH FOR SWINE ENVIRONMENT CALCULATIONS
This digest is primarily for designers. The formulas from which the nomograph was derived are explained. Several examples of using the nomograph are shown. The summer and winter design temperatures and humidities are given for the entire United States.

AED-5 TRUSS REACTIONS & GIRDER DESIGN
Another digest primarily for engineers. The basis for the designs is given including the snow and dead loads used. A two-page table gives the reactions in pounds necessary for different parts of the United States and for truss spacings of 2 ft. through 16 ft. in 2 ft. increments. Also included is a table that relates required girder size to truss spacing and reaction force needed.

AED-6 GLUING WOOD
Describes how to select and use glue for wood projects. A special section on structural gluing, and a table describing the properties of several commonly used glues are just two parts of the digest.

AED-7 GRAIN BIN FLOORS AND FOUNDATIONS
This digest is especially for individuals that have or will purchase used government grain bins. It details floor types, use of wall anchors, floor forming, wall sealing, and how to order, buy, and place concrete.

AED-8 HANDLING LIQUID MANURE
This digest lists several advantages of handling manure as a liquid and describes the facilities needed to handle manure in this way. One of the tables in the digest lists the amount of manure from various animals that must be handled and disposed of each day. Also included are descriptions of different kinds of pumps that can be used and the three most commonly used methods of disposal.

AED-9 PAINTS AND PAINTING
The digest contains recommendations that can help you select the right paint, prepare a surface for painting, and apply paint correctly. Two tables in the digest list the many types of paint that can be applied to different surfaces. The types of surfaces include masonry, wood, metal, and concrete. Other recommendations in the digest cover moisture problems, when to paint, using natural or stained finishes, and painting galvanized metal.

AED-10 HOUSING FOR GESTATING SOWS
This digest contains several layouts for feeding and housing gestating sows. One layout shows sows tied in stalls. Advantages of warm and cold housing are discussed. Several types of tie and feeding stalls are shown.

1967–1968 Catalog
 MIDWEST PLAN SERVICE
 Ames, Iowa 50010
# SWINE BUILDINGS

<table>
<thead>
<tr>
<th>Plan Title</th>
<th>Building Size</th>
<th>No. and Size of Pens</th>
<th>Comments</th>
<th>Plan No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FARROWING HOUSE</td>
<td></td>
<td></td>
<td>This plan details four small farrowing houses.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portable</td>
<td>12'x40'</td>
<td>8-5'x7½' stalls</td>
<td>Shows a 1-pen, two 2-pen, and one 4-pen house.</td>
<td>72630</td>
<td>$1.00</td>
</tr>
<tr>
<td>FARROWING HOUSE</td>
<td>24'x46'</td>
<td>16-5'x7½' stalls</td>
<td>8'x12' outside feeding platform. 4' feeding alley.</td>
<td>72666</td>
<td>.25</td>
</tr>
<tr>
<td>Single Row</td>
<td>34'x46'</td>
<td>16-5'x12' stalls</td>
<td>Solid floor</td>
<td>72671</td>
<td>.75</td>
</tr>
<tr>
<td>FARROW AND START</td>
<td></td>
<td></td>
<td>Center alley over gutter. Pens partially slotted.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outside Feeding</td>
<td>28'x40'</td>
<td>4-10'x11' pens</td>
<td>Indoor feeding. 7'–6' wide alley over gutter.</td>
<td>72672</td>
<td>.75</td>
</tr>
<tr>
<td>FARROW AND START</td>
<td></td>
<td></td>
<td>Total slotted floors. Annex for emptying pit.</td>
<td>72673</td>
<td>.75</td>
</tr>
<tr>
<td>COLD FINISHING HOUSES</td>
<td>40'x60'</td>
<td>8-9'x16½' and 4-6'x16½' or 6-10'x16' and 6-10'x22' pens</td>
<td>Partial-slotted floors. Three alternate layouts given.</td>
<td>72674</td>
<td>.75</td>
</tr>
<tr>
<td>TOTAL SLOTTED FLOOR FINISHING</td>
<td></td>
<td></td>
<td>Stalls over slats. Optional solid floor or partial slats.</td>
<td>72675</td>
<td>.75</td>
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<tr>
<td>FINISHING HOUSE</td>
<td>36'x48'</td>
<td>6-8'x12' and 6-8'x20' pens</td>
<td>Full slotted floor. Designed for 20 lb to 100 lb pigs.</td>
<td>72676</td>
<td>1.00</td>
</tr>
<tr>
<td>Partially-slotted Floors</td>
<td></td>
<td></td>
<td></td>
<td>72677</td>
<td></td>
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<tr>
<td>FARROWING HOUSE</td>
<td></td>
<td>24'x48'</td>
<td></td>
<td>72678</td>
<td></td>
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<tr>
<td>Slotted Floors</td>
<td></td>
<td>16-5'x7' stalls</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STARTING BUILDING</td>
<td>24'x40'</td>
<td>8-10'x10' pens</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SWINE BUILDINGS

PURDUE PLAN P72613, 1 Sheet 25¢
Portable Boar Shed, 8'x8'. Shed roof, wood floor, 3'-6" x 4' front opening. Could be used for sow shelter.

PURDUE PLAN P72620, 2 Sheets 50¢
Pull-Together House, 8'x20'. Space may be arranged for 4 farrowing stalls or 3 pens. Roof extends out 3' on front side forming a 6' alley when two units are pulled together. Useful as nursery or sow sleeping shelter.

PURDUE PLAN P72659, 1 Sheet 25¢
"Pur-Dual" Portable Hog Sleeping Shed, 10'x12'. Shed roof, wood floor, 4'x6' front opening. Capacity 4 sows + litter or 25 feeders. May be used as shelter for 10-12 sows.

PURDUE PLAN P72645, 1 Sheet 25¢
Portable Pull-Together Sleeping Shed, 20' x 10' with 5' overhang. Capacity 100-120 hogs when used as pull-together. May be used separately beside feeding floor or for shades on pasture.

PURDUE PLAN P72691, 1 Sheet 25¢
Portable Metal Sun Shade, 20'x20'. Welded angle construction, wire overlay for straw cover. Capacity 60-70. 5' height.
SWINE BUILDINGS

PURDUE PLAN  P72680, 4 Sheets  $1.00
Permanent Farrowing House, 30'x54'. Capacity 18 sows. Masonry or frame construction. Farrowing stalls or 7'x15' three sow pens. 3' side alley, 10' center alley, trussed roof.

PURDUE PLAN  P72680, 1 Sheet  25¢
Permanent Nursery, 15'x48'. Shed roof pole construction. 24 sow & litter capacity. 12'x15' pens, 6 sows per pen. Removable front panels.

PURDUE PLAN  P72686, 1 Sheet  25¢
Permanent Finishing Unit, 20'x48'. Shed roof pole construction. 200 hog capacity. Open front with sun visor. Outside feeding.
DAIRY BUILDINGS

DAIRY LAYOUT, MWPS 72350, $1.00
100 free stalls. Two layouts easily expanded to 200 head are shown. Construction details for sheds, free stalls, and feed bunk included.

HERRINGBONE MILKING PLANT,
MWPS 75246, $1.00
High-level and low-level milk lines.

U-TYPE, SIDE OPENING,
MWPS 75243, 75c
Floor plans for 3, 4 and 5 stalls.

4-STALL CHUTE TYPE,
MWPS 75241, 75c
Two floor plans.

SINGLE ROW, SIDE OPENING
MWPS 75242, $1.00
Floor plans for 2, 3, and 4 stalls

DOUBLE ROW, WALK THROUGH,
MWPS 75244, 75c
Two floor plans.

DOUBLE ROW, SIDE OPENING
MWPS 75245, 75c
Floor plans for 4 and 8 stalls.

STALL BARS

Each plan includes floor plans for 20, 32, 40, or 58 cows and details for wall, window, floor, and door construction.

1-STORY FLAT ROOF, MWPS 72325A, $2.00
This design requires storage of hay in a separate building.

1-STORY GABLE ROOF, MWPS 72325B, $2.00
A trussed gable roof without loft storage permits a post-free interior.

1½-STORY GAMBERL ROOF, MWPS 72325C, $2.00
The self-supporting braced rafter eliminate posts in the mow.

2-STORY GOTHIC ROOF, MWPS 72325D, $2.00
The sawed-laminated rafters of this barn were developed for construction on the farm.

2-STORY GOTHIC ROOF, MWPS 72325E, $2.00
The bent-laminated rafters may be purchased ready made, or constructed on the farm from specifications given in the plan.

1967-1968 Catalog
MIDWEST PLAN SERVICE
Ames, Iowa 50010
DAIRY BUILDINGS
BULK MILKHOUSES

Each plan includes wiring suggestions, wall and roof construction, and insulation for different climates.

MWPS 75264, 75¢
Different sizes and capacities (260 to 430 gallons per day) of milkhouses can be obtained from the same basic plan.

MWPS 75262, 75¢
Two floor plans (16'x16' and 16'x17'-4")
Daily capacities from 100 to 240 gallons.

MWPS 75263, 75¢
Two floor plans (18'-8"x24', 16'x18'-8")
Daily capacities from 50 to 340 gallons.

Calf Barn, MWPS 72341, 75¢
A 32' x 50' frame building. Twenty individual elevated calf stalls and 6 pens for calves 1½ to 12 months old. Insulation and ventilation recommendations given. Detail of trussed roof also included.

FARM MILKING PLANT WASTE DISPOSAL, MWPS 85100, 25¢.
Recommendations are given for septic and settling tanks and tile lines in absorption fields.

BEEF BUILDINGS

CONFINED BEEF FEEDING, MWPS 72425, $1.00
A 70' wide pole building for 200 feeders in complete confinement. Mechanical or fenceline bunk options.

INSIDE FEEDING LAYOUT, MWPS 72426, $1.00
A mechanical bunk divides a 36' by 168' pole building for feeding about 200 head. Animals are bedded on outdoor mounds, but use the building for winter and summer shelter.

OUTSIDE FEEDING LAYOUT, MWPS 72427, $1.00
Two layouts for 200 animals, readily expanded to 400, are shown for mechanical feeding outdoors. Bedded 40' pole shed, typical feed bunker, and feed center are detailed.

POLE TYPE BEEF CATTLE BARN, MWPS 72432, 75¢
Barn is 44'x64'. Loafing shed on one side, pens on the other side, hay to ground in center.
HORSE BUILDINGS

USDA PLAN U5175, 1 Sheet 25¢
Horse Stall Details, 7' x 9'. Detail showing three types of stalls which could be put in an existing barn.

USDA PLAN U5943, 2 Sheets 50¢
Two-Horse Trailer, 4 wheel tandem axle, welded channel frame, corrugated metal cover, tail gate ramp, canopy optional.

USDA PLAN U5838, 2 Sheets 50¢
Riding Horse Barn, 22' x 34', frame construction, gable roof, 2 box stalls, feed room, tack room, very attractive building, suitable for small farm for horses or ponies.

USDA PLAN U5994, 2 Sheets 50¢
Riding Horse Barn, 20' x 60', frame construction, gable roof, 4 box stalls, combination feed and tack room, sheltered area for grooming and other chores.

LIVESTOCK SHELTER

USDA PLAN U5950, 2 Sheets 50¢
Bunker Type Cattle Fallout Shelter, 24' x 48', post and beam construction with 18' earth cover, storage for feed and water, reasonable cost.

SHEEP BUILDINGS

USDA PLAN U5811, 2 Sheets 50¢
Sheep Shed, 20' x 72', pole construction, clear span, 12' x 20' central feed storage, 60 ewes with lambs capacity.

USDA PLAN U5874, 2 Sheets 50¢
Sheep Shed, 26' x 120', pole construction, clear span, internal feed alley, outside pens, 250 lamb capacity.
POULTRY BUILDINGS

PURDUE PLAN P72715, 2 Sheets  50¢
Frame poultry house. 28' clear span with possible shed additions on either side to make 40' and 52' widths with 12' post spacing. Arrangement to suit operator. See Poultry Equipment Plan Book for ideas.

PURDUE PLAN P72716, 2 Sheets  50¢
Pole poultry house. 28' clear span with possible shed additions on either side to make 40' & 52' widths with 12' pole spacing. Arrangement to suit operator - See Poultry Equipment Plan Book for ideas.

PURDUE PLAN P72712, 1 Sheet  25¢
Shed Roof Poultry House. Frame construction 20' x 20'. Suitable for small flock or brooder house.
## Poultry Buildings

<table>
<thead>
<tr>
<th>Plan Title</th>
<th>Capacity</th>
<th>Size</th>
<th>Framing</th>
<th>Disposal System</th>
<th>Special Features</th>
<th>Comments</th>
<th>Plan Number</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Brooder House</td>
<td>400</td>
<td>12'x14'</td>
<td>Rigid</td>
<td>Hand</td>
<td>Easily constructed using tilt-up rigid frames</td>
<td></td>
<td>72716</td>
<td>$.25</td>
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<tr>
<td>Laying House</td>
<td>1820</td>
<td>36'x84'</td>
<td>Frame</td>
<td>Tractor</td>
<td>Insulation - ventilation requirements are tabulated</td>
<td></td>
<td>72743</td>
<td>1.00</td>
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<tr>
<td>Laying House</td>
<td>3000</td>
<td>36'x108'</td>
<td>Pole</td>
<td>Mechanical</td>
<td>Truss roof, block and frame wall construction optional.</td>
<td></td>
<td>72748</td>
<td>.75</td>
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<tr>
<td>Laying House</td>
<td>450</td>
<td>36'x36'</td>
<td>Pole</td>
<td>Tractor</td>
<td>Wire Walls, Metal Roof</td>
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<td>.50</td>
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<tr>
<td>Laying House</td>
<td>3600</td>
<td>36'x100'</td>
<td>Frame</td>
<td>Lagoon or Tractor</td>
<td>3 floor systems shown and 1 cage layout. Pole wall optional</td>
<td></td>
<td>72753</td>
<td>1.00</td>
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<tr>
<td>Laying House</td>
<td>4800</td>
<td>40'x100'</td>
<td>Frame</td>
<td>Mechanical</td>
<td>Pole wall optional, clear span truss detailed</td>
<td></td>
<td>72754</td>
<td>1.00</td>
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<tr>
<td>Broiler House</td>
<td>5000</td>
<td>48'x108'</td>
<td>Pole</td>
<td>Tractor</td>
<td>Automatic watering and feeding is recommended</td>
<td></td>
<td>72761</td>
<td>1.00</td>
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</table>
UTILITY BUILDINGS

CLEAR SPAN UTILITY BUILDINGS
These are basic building shells — open front for cattle sheds, or machinery or hay storage; closed for swine or poultry housing, etc.

Roofs are 4/12 slope. Trusses are 4'-0" on center. Each plan includes a bill of materials.

<table>
<thead>
<tr>
<th>CONSTRUCTION</th>
<th>SPAN</th>
<th>NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME</td>
<td>24'</td>
<td>72044, 75c</td>
</tr>
<tr>
<td></td>
<td>30'</td>
<td>72045, 75c</td>
</tr>
<tr>
<td></td>
<td>36'</td>
<td>72046, $1.00</td>
</tr>
<tr>
<td></td>
<td>40'</td>
<td>72047, 75c</td>
</tr>
<tr>
<td>POLE</td>
<td>24'</td>
<td>72054, 75c</td>
</tr>
<tr>
<td></td>
<td>30'</td>
<td>72055, 75c</td>
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<tr>
<td></td>
<td>36'</td>
<td>72056, $1.00</td>
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<tr>
<td></td>
<td>40'</td>
<td>72057, 75c</td>
</tr>
<tr>
<td></td>
<td>50'</td>
<td>72058, $1.00</td>
</tr>
<tr>
<td>MASONRY</td>
<td>24'</td>
<td>72074, 75c</td>
</tr>
<tr>
<td></td>
<td>30'</td>
<td>72075, 75c</td>
</tr>
<tr>
<td></td>
<td>40'</td>
<td>72077, 75c</td>
</tr>
</tbody>
</table>

POLE UTILITY BUILDINGS, MWPS 72050, 50¢
The basic pole frame adapts to different sizes of buildings. Building widths are built in increments of 14' and lengths of 16' increments. A 28' truss is included so one of poles may be omitted.

RIGID FRAME
<table>
<thead>
<tr>
<th>SPAN</th>
<th>NUMBER</th>
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<tbody>
<tr>
<td>24'</td>
<td>72064, 75c</td>
</tr>
<tr>
<td>30'</td>
<td>72065, 75c</td>
</tr>
<tr>
<td>40'</td>
<td>72067, 75c</td>
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TILT-UP CONCRETE
<table>
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<tr>
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<tr>
<td>24'</td>
<td>72084, 75c</td>
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<tr>
<td>30'</td>
<td>72085, 75c</td>
</tr>
<tr>
<td>40'</td>
<td>72087, 75c</td>
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</tbody>
</table>

TRUSSES

LAMINATED ARCHES, MWPS 72015, $1.00.
Bent laminated arches for 34', 36' and 40' buildings.
Sawed (segmented) arches for 34' and 36' wide buildings (nailed only, for 36' glued construction see MWPS 72325D).

BRACED GAMBERL ROOF RAFTERS for two-story barns.
MWPS 72008A, 32' Span, 25¢
72008B, 34' Span, 25¢
72008C, 36' Span, 25¢

SHAWVER ROOF TRUSSES, MWPS 72009, 25¢
For barn spans of 32', 34' and 36' (spacing 10' to 14').

SCISSORS TRUSSES, MWPS 72010, 25¢
4' spacings for spans of 24', 26' and 28'. Split ring and bolt.
TRUSSES

The following list of plans are designed for farm buildings only and are not intended to meet the public building code.

NAIL-GLUED TRUSSES WITH ROOF GIRTS 2'-0" o.c. Truss spacing of 4 or 8 ft. on centers. Spans of 24, 30, and 40 feet.

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Span</th>
<th>Spacing</th>
<th>Slope</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>P72021</td>
<td>24</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72022</td>
<td>24</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72031</td>
<td>30</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72032</td>
<td>30</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72035</td>
<td>36</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
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<tr>
<td>P72036</td>
<td>36</td>
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</tr>
<tr>
<td>P72041</td>
<td>40</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72042</td>
<td>40</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
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</table>

NAIL-GLUED TRUSSES WITH ROOF GIRTS 2'-0" o.c. Truss spacing of 4 or 8 ft. on centers. For a span of 50 ft. with 4/12 slope.

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Span</th>
<th>Spacing</th>
<th>Slope</th>
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</tr>
</thead>
<tbody>
<tr>
<td>P72051</td>
<td>50</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72052</td>
<td>50</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
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</table>

NAIL-GLUED TRUSSES WITH ROOF GIRTS 2'-0" o.c. Truss spacing of 4 or 8 ft. on center for a span of 60 ft. with 4/12 slope.

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Span</th>
<th>Spacing</th>
<th>Slope</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>P72061</td>
<td>60</td>
<td>4'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72062</td>
<td>60</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
</tbody>
</table>

SINGLE SLOPE TRUSSES WITH ROOF GIRTS 2'-0" oc All USDA plans are nail or bolted trusses & Purdue plans are nail-glued trusses.

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Span</th>
<th>Spacing</th>
<th>Slope</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>U5855</td>
<td>30</td>
<td>7'-6&quot;</td>
<td>3/12</td>
<td>25¢</td>
</tr>
<tr>
<td>U5856</td>
<td>30</td>
<td>15'-0&quot;</td>
<td>3/12</td>
<td>25¢</td>
</tr>
<tr>
<td>U5857</td>
<td>26</td>
<td>7'-6&quot;</td>
<td>3/12</td>
<td>25¢</td>
</tr>
<tr>
<td>U5858</td>
<td>26</td>
<td>7'-6&quot;</td>
<td>3/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72028</td>
<td>24</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
</tr>
<tr>
<td>P72033</td>
<td>30</td>
<td>8'-0&quot;</td>
<td>4/12</td>
<td>25¢</td>
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</tbody>
</table>
GRAIN STORAGE

MIDWEST PLAN M73217, 4 Sheets $1.00

Four 1-way slope, front discharge bulk feed bins. 20 bu. 4' x 4' x 4' and 45 bu. 4' x 4' x 8' hoppers for farrowing house, calf barn, horse barn, etc. Units free stand on legs, discharge height optional to gravity flow into feed car, or hand dip with feed scoop. 340 bushel, 45° slope unit is 6' x 8' x 12' deep, front discharge at ground level. Bin to be used along drive, inside building, with inclined screw conveyor to elevate feed. 170 bushel, 60° slope is built in wall design for use in feed centers.

PURDUE PLAN P73211, 3 Sheets 75¢

Drive-Under Hopper Bottom Grain-Feed Bin, 700 bu. Free standing bulk bin for grain or feed, approx. 8' x 12' x 10' deep. Discharge height 11', drive-under width 11'. Hopper 2-way slope 45° bin is 2 compartment 4' x 8' and 8' x 8'. Bin 24'-6" overall height.

PURDUE PLAN P73212, 3 Sheets 75¢

Walk-Under Hopper Bottom Grain-Feed Bin 375 Bushel. Bulk bin for grain or feed, approx. 4' x 8' x 16' deep with 8'-0" walk-under discharge height. Free standing, but must be built inside. Hopper 2-way slope 45°, 2 compartment (4' x 4' ea.). Overall height 24'-6".

PURDUE PLAN P73215, 3 Sheets 75¢

10 Ton 3 Compartment Grinding Bin, free standing, 3-4 compartment, side draw-off, 5' discharge height. Compartments sized 4:1:1:4 ratio. 5'W x 14'L x 14'H, optional length and heights down to 10'. Approx. 10 tons capacity. Suitable as working bins in grinding system, particularly for automatic blender-grinder. Can be weather sealed.
GRAIN STORAGE

PURDUE PLAN P73291, 8 Sheets $2.00

Grain-Feed Handling Center. 1 level 20'x26' center building 9-18,000 bushel shelled grain capacity. 7 alternate bin layouts using 4 or 5 bins. Adaptable to any drying method & tractor or automatic-grinding. Totally enclosed, closed cycle handling system. Pole center building, 12'x26' drive-through, 12' height. 8'x26' work area for grinding. 4 compartment center draw-off hopper bin, 8' x8'x8'h, 6'-6" discharge height. Recessed dump. Cupola option over hopper bin to increase capacity & elevator height to 24'. Ideally designed for the 10-12,000 bu. grain-livestock farm. Complete working drawings covering all details.

PURDUE PLAN P73241, 2 Sheets

Dump Pit, 6-12" auger, 600 to 3000 bu/hr. Inclined auger dump pit to feed bucket elevator, maximum 4' pit depth for elevator and dump. Pipe grate pit cover, complete construction details for pit and auger. Auger capacity, hp, dry & wet grain: 6"-1000 & 600 bu/hr; 8"-2500 & 1500 bu/hr; 12"-5000 and 3000 bu/hr.
GRAIN STORAGE

PURDUE PLAN P73292, 12 Sheets

Grain-Feed Handling Center. 20' x 32' center building divided 12' x 32' drive-through plus 8' x 32' processing area. Hopper bins over drive-through (700 bu) and processing area (375 bu). High speed auger dump pit, 600 to 3000 bu/hr capacity (wet corn) to feed vertical bucket elevator. Pipe grate cover. Alternative storage layouts including bin and high temperature drying, 12,000 to 40,000 bushel volumes. Approximately 12' wide x 11'-6" drive-through clearance, 24' to 30' overall center building height. Complete working drawings.

PURDUE PLAN P73238, 3 Sheets

28' Pole Corn Crib. Clear span, using semi-rigid arch. No cross ties or floor ties. 28' w, 12' sidewall, 8/12 roof pitch. Forced unheated air drying (25%-27% ear corn), using removable center "A" frame duct. Pole construction (4' o.c.), 1" x 4" vertical native siding on outside of poles. Roof hatch filling, tractor scoop unloading. Capacity approx 150 bu/ft of length. 28' x 30' = 4500 bu. 28' x 80' = 12,000 bu.
# GRAIN STORAGE

<table>
<thead>
<tr>
<th>Plan Title</th>
<th>Capacity (Bu)</th>
<th>Size</th>
<th>Construction</th>
<th>Drying System</th>
<th>Comments</th>
<th>Plan Number</th>
<th>Price</th>
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<tbody>
<tr>
<td>SMALL GRAINS</td>
<td>25,000</td>
<td>48'x48'x10'</td>
<td>Pole</td>
<td>Duct Aeration</td>
<td>12' side wall increases capacity to 28,500/48' length</td>
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<td>(Give Capacity When Ordering)</td>
<td>600, 1000, 1200, 1500 and 2000 Bu. bins are detailed in this plan.</td>
<td>16'x30'x 8'</td>
<td>Frame</td>
<td>2000 Bu. - Aeration</td>
<td>600 and 1000 Bu. bins are portable</td>
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<td></td>
<td>2,500</td>
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<td>Frame</td>
<td>Duct Aeration</td>
<td>4 - 8'x10'x10' Bins Drive-thru 10' alley.</td>
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<td>8,000</td>
<td>32'x44'x10'</td>
<td>Frame</td>
<td>Duct Aeration</td>
<td>4 - 16'x16'x10' Bins, 12' alley Cross auger in floor</td>
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<td>.75</td>
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<td>10,000 (Gable)</td>
<td>32'x40'x 8'</td>
<td>Frame</td>
<td>Duct Aeration</td>
<td>These plans use either a duct system or a false floor system for drying the grain</td>
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<td>10,000 (Gothic)</td>
<td>32'x40'x 8'</td>
<td>Arches</td>
<td>Aeration</td>
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<td>EAR CORN</td>
<td>15,000</td>
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<td>Frame</td>
<td>Aeration</td>
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<tr>
<td>Single</td>
<td>4,750</td>
<td>28'x28'x12'</td>
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<tr>
<td>Double</td>
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<td>Pole</td>
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<td>11' wide alley</td>
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<td>Double</td>
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<td>Frame</td>
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<td>Overhead bins, 11' alloy</td>
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<tr>
<td>GRAIN ELEVATOR</td>
<td>10,000</td>
<td>30'x31'</td>
<td>2'x4'</td>
<td>Cribbing</td>
<td>Cup elevator 4 - 26' deep bins and 6 overhead hopper bins.</td>
<td>USDA</td>
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MACHINERY

30'x30' SHOP, MWPS 74119, $1.00
Clear span frame building with pole option. Typical tool layout and lighting needs included.

GOTHIC ROOF MACHINE SHED, MWPS 74139, 75¢
Laminated arches with post free interior. 36' wide building.

MACHINE SHED, MWPS 74142, $1.00
30' side opening. Clear span pole building with 16' pole spacing along front.

MACHINE SHED, MWPS 74143, $1.00
40' end opening. Central drive with end doors plus two side doors. Clear span building.

ONE-CAR GARAGE, MWPS 74101, 25¢
Ample storage space in this 12'x24' garage.

TWO-CAR GARAGE, MWPS 74102, 25¢
A roomy garage for two cars and storage space (22'x22').

HAY & SILAGE

POLE HAY STORAGE SHEDS
Detailed construction drawings with interior pole or trussed roof framing. Units may be in multiples of 12'.

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<th>Span</th>
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<tr>
<td>73108</td>
<td>48'</td>
<td>4.0</td>
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50 TON SELF-FEEDING HAYKEEPER
MWPS 73103, 50¢
22' diameter x 28'-8" high. Used to store, dry, and self feed chopped hay. Instructions for filling and drying are given along with complete details.

BUNKER SILO, MWPS 73301, 25¢
8' long, "A" frame portable sections for self-feeding or power unloading.
HAY & SILAGE

PURDUE PLAN  P73112, 1 Sheet  25¢
Pole Hay Shed. 28' x 28' x 14' high. (18' option)
Simple Construction. Capacity approximately 40 Tons
(50 Tons at 18' height)

PURDUE PLAN  P73311, 1 Sheet  25¢
Horizontal Pole Type Silo. 6' sloping sidewalls
lined with pressure treated planks. 4' pole spacing.
Concrete floor. 20' width holds approximately 2T
per foot of silo length.

PURDUE PLAN  P73312, 1 Sheet  25¢
Horizontal concrete silo. 6' sloping concrete
tilt-up panels. Pilasters made of various sizes
of concrete blocks. Concrete floor. Shows option
for concrete trench silo. 20' width holds approx-
imately 2T per foot of silo length.
MISCELLANEOUS PLANS

USDA PLAN U5934, 1 Sheet 25¢
Family Fallout Shelter, 9' x 12', poured concrete, outside excavation, basement connection, 2 1/2' earth fill over concrete top, escape hatch, capacity 7-10 people. Suitable for storm shelter or vegetable storage.

JSDA PLAN U5957, 4 Sheets $1.00
Blast and Fallout Shelter, 10' x 20' reinforced concrete construction, 6 person capacity, includes details for berth construction, antenna and emergency exit, ventilation details included.

USDA PLAN U5948, 1 Sheet 25¢
Root Cellar, 8' x 10' pole and plank construction, for basement attachment, suitable for storm shelter, adaptable for fallout shelter for 5 people.

USDA PLAN U5176, 1 Sheet 25¢
Vegetable Cellar, 8' x 11', concrete construction, for basement attachment or separate unit, suitable for storm or fallout shelter with modifications.

USDA PLAN U5941, 2 Sheets 50¢
Greenhouse - Cold Frame, 5' x 8' shed roof, plastic covered. Dual purpose plan shows cold frame and also greenhouse using same roof detail. Suitable for small hobby-type greenhouse.

USDA PLAN U5946, 1 Sheet 25¢
Portable Plastic Greenhouse, 8' x 12', plywood arch construction, plastic covered, double 1 x 8 base, 2 entry doors.

USDA PLAN U5189, 1 Sheet 25¢
Sash Greenhouse, 10' x 18', masonry construction, permanent type building with glass panels, could be adapted for plastic cover.

USDA PLAN U5971, 1 Sheet 25¢
Hothead and Propagating Frame, 6' x 6', thin wall conduit framed with wood base, plastic covered, intended for home use.

USDA PLAN U5188, 1 Sheet 25¢
Outdoor Fireplace and Picnic Table, dual plan showing details of brick fireplace and 2 1/2' x 6' picnic table with attached seats. Not suitable for trash.

USDA PLAN U5198, 1 Sheet 25¢
Incinerator, with 8' flue, designed for burning trash only and could not be used as outdoor fireplace. Brick construction.

USDA PLAN U5996, 1 Sheet 25¢
Incinerator, masonry construction with oil burner, used primarily for poultry disposal.

USDA PLAN U5966, 1 Sheet 25¢
Storage Shed for Fertilizer, 12' x 16', with 4' loading dock, bag storage only, frame construction on a raised pole foundation.
MISCELLANEOUS PLANS

PURDUE PLAN P74251, 1 Sheet
Fuel, oil & grease storage shed, 4 1/2 x 10 1/2, concrete block, folding door closure.
25¢

USDA PLAN U5942, 1 Sheet
Irrigation pipe trailer, 36' long suitable for hauling 20' to 40' aluminium pipe, welded construction.
25¢

USDA PLAN U5694, 1 Sheet
Farm Labor Bunkhouse, 26' x 26', concrete block, gable roof, 6 room, central hallway with door at each end, rooms 8' x 9 1/2' with closet in each one. No provision for heat or sanitary facilities.
25¢

USDA PLAN U5929, 2 Sheets
Two-car Garage, 24' x 24', frame construction, truss roofed, reinforced concrete floor, includes workbench and storage.
50¢

USDA PLAN U5930, 2 Sheets
Two-car Garage, 24' x 24', pole construction, includes workbench and storage.
50¢

ROADSIDE STAND

USDA PLAN U5983, 2 Sheets
8' x 16' stand to display produce attractively, shelves are protected by a long roof projection, frame construction, shed roof.
50¢

USDA PLAN U5193, 1 Sheet
Large roadside stand, 12' x 24', frame construction, gable roof, counter overhang, display racks, permanent type construction.
25¢

USDA PLAN U5699, 1 Sheet
Movable Roadside Stand, 6' x 12', frame construction, shed roof, portable, skid mounted, drop down counter and front closure.
25¢
MISCELLANEOUS PLANS

USDA PLAN U5975, 2 Sheets $50¢
An all-weather dock with a 50' board walk to a canopied boat house. Will not work where freezing occurs.

USDA PLAN U5979, 12 Sheets $3.00
60,000 CWT Potato Storage, a single-story wood frame structure with 16,000 sq. ft. floor area. Concrete floors, heavily insulated walls and ceiling, and flat roofing.

USDA PLAN U5927, 5 Sheets $1.25
60,000 CWT Potato Warehouse, 80' x 183' building, frame construction with flat roof. It has 6 bins and a shipping room which is used for drying and washing. Ventilation and construction details are given.

USDA PLAN U5989, 8 Sheets $2.00
20,000 CWT Potato Storage, 40' x 140' building, arch construction. A 40' x 40' work area at one end is a feature of this layout. Ventilation and construction details.

USDA PLAN U5984, 3 Sheets 75¢
Circular Manure Tank, 6' to 10' deep, 32' or 48' diameter. Concrete walls, floor, and top. Capacities: 36,000 to 135,000 gallons.

USDA PLAN U5981, 3 Sheets 75¢
Rectangular Manure Tank, 6' to 10' deep, 20' wide and 20' to 100' long. Concrete walls, floors, and top. Capacities: 18,000 to 150,000 gallons.

USDA PLAN U5987, 1 Sheet 25¢
Liquid Manure Tank, 10' deep, 12' to 24' wide, any length. Concrete walls, floor, and top.

MIDWEST PLAN M80001, 1 Sheet 25¢
1' x 1' x 17' wood and sheet metal tank for cold-soaking lumber used above ground.

MIDWEST PLAN M74001, 1 Sheet 25¢
Small wood frame building to house pumps, pressure tank, motor, etc. Roof hinged to provide access.

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