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O.S.C. FARM BUILDING PLAN SERVICE

Listing

Farm Building Plans Available

Prepared by
Department of Agricultural Engineering

Federal Cooperative Extension Service
Oregon State College
Corvallis

Cooperative Extension Work in Agriculture and Home Economics
Wm. A. Schoenfeld, Director

Oregon State College and United States Department of Agriculture, Cooperating
Printed and distributed in furtherance of the Acts of Congress of May 8 and June 30, 1914

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OREGON
VULNERABILITY

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OREGON STATE COLLEGE
FARM BUILDING PLAN SERVICE

Listing
Farm Building Plans Available

Prepared by
Department of Agricultural Engineering

Introduction

Blueprints for the construction of the farm buildings listed in this circular may be obtained at low cost through Oregon County Agricultural Agents, or directly from the Department of Agricultural Engineering, Oregon State College, Corvallis, Oregon. For more detailed information regarding the plans listed in this circular, please consult your county agent who has manuals giving full description of them. Additional information may be secured by writing to the Agricultural Engineering Department.

The cost of blueprinting the working drawings (size 17" x 24") is 15¢ for each sheet plus an additional charge of 35¢ for each order regardless of the number of different sets of plans ordered at one time.

Drawings to meet special needs are not furnished by the College or the Extension Service. The services of architects and reputable commercial agencies are recommended for altering these plans for special requirements, and for the specification of materials different from those shown.

IMPORTANT - ORDER PLANS BY PLAN NUMBER.

FARM BUILDING ESSENTIALS

Most of the structures listed in this circular have gone through the test of actual use which has proved them suitable from the standpoint of sound construction, convenience, sanitation and economy under the conditions for which they were intended. Climatic conditions are not uniform over the state but vary with the altitude, rainfall, wind and influence of foggy weather. These factors must be considered in the construction of buildings so that provision is made for foundations of proper size and depth, enough insulation, adequate bracing and suitable roof covering.

The circular lists a fairly wide range of plans so that in most cases, the prospective builder can select a plan or set of plans that meet his particular requirements with respect to the size of family, the size and type of farm, and the number and kind of livestock.

LIST OF FARM HOUSE PLANS

Order Plans by Plan Number

One Story Growing Houses (Planned so that additions can be built later)

	<u>Plan No.</u>	<u>No. of Sheets</u>
Expansion from 3 to 5 rooms	6511	6
Expansion from 3 to 6 rooms	6512	3
Expansion from 3 to 6 rooms	6513	2
Expansion from 4 to 6 rooms	6514	2
Expansion from 3 to 6 rooms	6515	2
Expansion from 2 to 5 rooms	6516	2
Expansion from 4 to 6 rooms	6517	3
Expansion from 3 to 5 rooms	6518	1
Expansion from 4 to 6 rooms	6519	3
Expansion from 3 to 7 rooms	6520	2
Expansion from 3 to 7 rooms	6521	2
Expansion from 5 to 7 rooms	6522	2
Expansion from 4 to 8 rooms	6523	3
Expansion from 5 to 7 rooms	6524	3
Expansion from 3 to 7 rooms and basement .	6525	2

One Story Houses

4 rooms - Log Cabin	6526	3
5 rooms	6527	2
4 rooms	6528	2
4 rooms and work room	6529	3
4 rooms	6530	3
6 rooms and work room	6531	1
7 rooms	6532	1
6 rooms and laundry	6533	4
5 rooms	6534	2

One and a Half to Two-Story Houses

5 rooms	6535	3
8 rooms	6536	3
6 rooms	6537	2
7 rooms	6538	7
4 rooms and laundry	6539	3
6 rooms	6540	3

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

Very Small Houses

	<u>Plan No.</u>	<u>No. of sheets</u>
3 rooms	6501	1
3 rooms and screened porch	6502	1
4 rooms	6503	1
3 rooms	6504	5
3 rooms	6505	5
4 rooms	6506	2

The above farm house plans are described and sketched in U.S.D.A. Farmers' Bulletin No. 1738 entitled "Farmhouse Plans." This bulletin is available in offices of county agents.

AVAILABLE U.S.D.A. HOUSE PLANS

Other Than Those Listed in Farmers' Bulletin No. 1738.

3 room cottage - 22'	22'	1.54	1
4 room house - 26'	34'	5444	3
4 room bunkhouse-13'8"	30'	5448	3
4 room adobe house-37'9" x 35'		5486	2
5 room house 47' x 26'		1.51	8
5 room house 21'10" x 32'		1.56	6
5 room house 25'6" x 34'6"		5443	6
5 room house 29' x 31'6"		5446	2
5 room house 29'6" x 43'		5447	4
6 room house (two story) 19' x 25'10"		1.55	4
6 room house (two story) 28' x 32'		1.57	5
6 room house (two story) 28' x 33'		5445	5
Kitchen remodeling plans		1.59	5
Combination laboratory, office, garage		1.61	8
Combination office - garage		1.62	3
Field laboratory		1.63	4
Rural community hall plans (4 sets)		1.66	3 sheets to each set

Bulletins which may be helpful in regard to farmhouse construction problems:

U.S.D.A. Farmers' Bulletin #1772	"Use of Concrete on the Farm."
U.S.D.A. Farmers' Bulletin #1751	"Roof Coverings for Farm Buildings."
Extension Bulletin #540	"Red Cedar Shingles."
U.S.D.A. Farmers' Bulletin #1452	"Painting on the Farm."
U.S.D.A. Farmers' Bulletin #1572	"Making Cellars Dry."
U.S.D.A. Farmers' Bulletin #1500	"Rammed Earth Walls for Buildings."
U.S.D.A. Farmers' Bulletin #1660	"Use of Logs & Poles in Farm Construction."
Station Circular #131	"Planning the Kitchen."
Extension Bulletin #531	"Better Farm and Home Lighting."

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

U.S.D.A. Farmers' Bulletin #1838	"Electric Light for the Farmstead."
U.S.D.A. Farmers' Bulletin #1749	"Modernizing Farmhouses."
U.S.D.A. Farmers' Bulletin #1649	"Construction of Chimneys & Fireplaces."
Station Bulletin #369	"House Planning Ideas of Oregon Rural Women."
U.S.D.A. Farmers' Bulletin #1756	"Selection of Lumber."
U.S.D.A. Farmers' Bulletin #1738	"Farmhouse Plans."

OREGON LOW COST FARM HOUSE PLANS

Prepared under Cooperative Low Cost Housing Research Project of the Oregon Agricultural Experiment Station, by Maud Wilson and H. R. Sinnard and designed especially for Oregon conditions.

Low cost post and pier construction. All have closets, pantry and a few kitchen built-ins. Neither fireplace nor dormer required unless otherwise noted. If a basement is required, it can be reached by way of a stairs under the porch roof.

*Indicated plans have an attached utility porch with food storage, woodshed and garage under the same roof.

Additional plans of this Series will be added to the plan service in the near future. It is suggested, if you do not find a suitable farmhouse plan, that you write the Agricultural Engineering Department fully in regard to your requirements.

*Series I: Three Rooms, One Story Houses

Two bedrooms and bath A combination living - kitchen - dining room	<u>Plan No.</u>	<u>No. of Sheets</u>
Gable roof cottage - 20' x 26' Designed for either a South or West Front to the public highway. Conventional construction. Alternate plan for beam and plank construction.	1-17R	5
Gable roof cottage - 20' x 26' Designed for either a North or East front to the public highway.	1-17	5

*Series II: Three Rooms, One Story Houses

One bedroom and bath Living room A combination kitchen - dining room		
Hip roof modern bungalow - 18' x 32' Designed for a South front to the public highway Beam and plank construction, exterior may be plywood, Ext. D.F.P.A.	2-7R	4

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

Plan No. No. of Sheets

Hip roof modern bungalow - 18' x 32'
Designed for a North front to the public highway
Beam and plank construction, exterior may be
plywood, Ext. D.F.P.A.

2-7 4

Pyramidal hip roof house - 24' x 24'
Designed for a South or West front to the public
highway
Conventional construction, exterior may be
plywood, Ext. D.F.P.A.

2-12R 4

Pyramidal hip roof house - 24' x 24'
Designed for an East front to the public highway
Conventional construction, exterior may be
plywood, Ext. D.F.P.A.

2-12 4

*Series III: Four Rooms, One Story Houses

Two bedrooms and bath
Living room with "sofa" bed space
Combination kitchen - dining room

Modern gable roof bungalow - 24' x 28'
Designed for a South or West front to the public
highway
Conventional construction, exterior may be
plywood, Ext. D.F.P.A.

3-15R 4

Similar to 3-15R except designed for East front

3-15 4

Modern hip roof bungalow - 18' x 36'
Designed for a North front to the public highway
Beam and plank construction, may be plywood,
Ext. D.F.P.A. No floor joists or rafters.
This plan can be inverted for a South front
to the public highway.

3-17 4

*Series XII: Three or Four Rooms, One and One-Half Story Houses

One or two bedrooms on second floor
One bedroom and bath on first floor
Combination living - kitchen - dining room

Gable roof cottage - 20' x 24'
Designed for a South or West front to the public
highway. No dormer required.

12-26R 5

Gable roof cottage - 20' x 24'
Designed for a North or East front to the public
highway.
Beam and plank construction, no floor joists or
rafters. No dormer required.

12-26 4

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

Plan No. No. of Sheets

Gable roof house - 20' x 24'
Designed for a North or East front to the public highway

Beam and plank construction, inside stairs to basement. No dormer required.

12-27A 4

Alternate plan with basement

12-27A 5

*Series XVI: Five Rooms, One and One-half Story Houses

Two bedrooms on second floor
One bedroom and bath on first floor
Living room
Combination kitchen - dining room

Gable roof house - 24' x 26'
Designed for an East front to the public highway
Conventional construction. No dormer required.

16-3 4

*Series XVII: Five Rooms One and One-Half Story Houses

Two bedrooms on second floor
One combination or dining or bedroom and bath first floor
Living room with dining space
Kitchen with dining area

Gable roof house - 22' x 26'
Designed for either a South or West front to the public highway

17-2R 4

Gable roof house - 22' x 26'
Designed for an East front to the public highway
Conventional construction

17-2 4

Series XXVII: Five Room, One and One-Half Story Houses

Two bedrooms on second floor
One bedroom and bath on the first floor
Living room with dining space
Kitchen with dining area
Grade (ground) level entrance giving access to any room and basement without passing through another room
Fireplace and kitchen built-ins

Gable roof residence - 28' x 28'
Gable roof dormer
Designed for a South or West front to the public highway

27-19R 5

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
Gable roof residence - 28' x 28' Designed for an East front to the public highway Shed roofed dormer	27-19	5
Gable roof residence - 28' x 28' Designed for a South or West front to the public highway No dormers required. This plan may be inverted for an East front to the public highway.	27-38R	5

LIST OF BARN PLANS

To assist in determining the size of barn required, the following table is given to show capacities of hay mows of various widths and types of barns.

TABLE OF MOW CAPACITIES

Width	Type of Barn	Loose Hay	Chopped Hay*
18'	Gable-2 story	1/4 T per ft. of length	3/4 T per ft. of length
20'	Gambrel-2 story	1/4 T " " " "	3/4 T " " " "
22'	Gambrel-2 story	1/3 T " " " "	1 T " " " "
24'	Gambrel-2 story	1/2 T " " " "	1-1/2 T " " " "
26'	Gothic Arch-2 story	3/5 T " " " "	2 T " " " "
28'	Gambrel-2 story	3/5 T " " " "	2 T " " " "
30'	Gambrel-2 story	3/5 T " " " "	2 T " " " "
32'	Gambrel-2 story	4/5 T " " " "	2-2/5 T " " " "
34'	Gambrel-2 story	4/5 T " " " "	2-2/5 T " " " "
36'	Gothic Arch-2 story	1-1/4 T " " " "	3-3/4 T " " " "
36'	Gambrel-2 story	1 T " " " "	3 T " " " "
36'	Gambrel-1-1/2 story	4/5 T " " " "	2-2/5 T " " " "
36'	Gable-1-1/2 story	1/3 T " " " "	1 T " " " "

*Floor joists and girders must be designed to carry this increased load.

General Purpose Barns

Plan No.

No. of Sheets

18 x 32		
Shed roof	2.12	2
19 x 31		
Gable roof	5021	1
20 x 32		
Gambrel roof	2.10-3	3
20 x 38		
Gambrel roof	2.10-3 (alternate 4 plan)	
20 x 46		
Gable roof	2.10-8	1
24 x 32		
Gambrel roof	2.10-4	3

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
26 x 38		
Gothic roof	2.10-2	4
28 x 38		
Gambrel roof	2.10-1	3
30 x 32		
Gambrel roof	5454	5
30 x 46		
Gambrel roof	2.10-7	2
Gambrel roof	2.10-7 (alternate plan)	3
32 x 32 .		
Gambrel roof - optional floor plan included	2.11	3
32 x 36		
Gambrel roof	5453	3
32 x 44		
Gambrel roof	2.10-6	3
Gambrel roof	2.10-6 (alternate plan)	4
34 x 50		
Gambrel roof	2.10-5	3
34 x 72		
Gothic roof - 2 stories	5451 A	10
Gambrel roof - 2 stories	5451 B	10
Gambrel roof - 1-1/2 stories	5451 C	10
Gable roof - 1-1/2 stories	5451 D	10
36 x 62		
Gothic roof - 2 stories	5452 A	10
Gambrel roof - 2 stories	5452 B	10
Gambrel roof - 1-1/2 stories	5452 C	10
Gable roof - 1-1/2 stories	5452 D	10
36 x 64		
Gambrel roof	2.13	5
52 x 72		
Pole barn - gable roof	2.14	3

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
Cattle shed - 20 x 68 - gable roof	2.15	1
Dairy and Beef Pavilion - 187 x 240	2.16	9
Livestock Pavilion and General Exhibit		
Bldg. - 51 x 100	2.17	2
Isolation shed - 16 x 32 - hip roof	2.18	1
Loafing Barn - 52 x 124	2.04	2

Dairy Barns

Mow capacities given in table on page 8.

	17 x 48		
Shed roof - one-story	5459		1
	18 x 30		
Gable roof	2.24		1
	18 x 64		
One string milking barn, grain room, milk-house, gable roof - will accommodate 36 to 48 cows .	5458		5
Milking barn and milk house	2.30-2		4
	19 x 45		
Parallel stall, walk through milking barn and milk house - gable roof - will accommodate 30 to 60 cows	5457		5
	32 x 80		
Gambrel roof	2.21		7
	34 x 64		
Gambrel roof	2.22		7
Milking barn and milk house	2.30-3		5
	34 Foot Barn - Face In		
Gothic roof - 2 stories	5115 A		8
Gambrel roof - 2 stories	5115 B		8
Gambrel roof - 1-1/2 stories	5115 C		8
Gable roof - 1-1/2 stories	5115 D		8
Gable roof - 1 story-flat ceiling	5115 E		7
Gable roof - 1 story-sloped ceiling	5115 F		7
	34 Foot Barn - Face Out		
Gothic roof - 2 stories	5116 A		8
Gambrel roof - 2 stories	5116 B		8
Gambrel roof - 1-1/2 stories	5116 C		8

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
Gable roof - 1-1/2 stories	5116 D	8
Gable roof - 1 story - flat ceiling . .	5116 E	7
Gable roof - 1 story - sloped ceiling .	5116 F	7
34 Foot Barn - 6 Different Layouts		
Gothic roof - 2 stories	5117 A	9
Gambrel roof - 2 stories	5117 B	9
Gambrel roof - 1-1/2 stories	5117 C	9
Gable roof - 1-1/2 stories	5117 D	9
Gable roof - 1 story - flat ceiling . .	5117 E	8
Gable roof - 1 story - sloped ceiling .	5117 F	8
36 x 43		
Gable roof	2.25	1
36 x 56		
Oregon arch roof - sawed type	2.28	14
36 x 72 Face In		
Gothic roof - 2 stories	5111 A	8
Gambrel roof - 2 stories	5111 B	8
Gambrel roof - 1-1/2 stories	5111 C	8
Gable roof - 1-1/2 stories	5111 D	8
Gable roof - 1 story - flat ceiling . . .	5111 E	7
Gable roof - 1 story - sloped ceiling . .	5111 F	7
36 x 72 - Face Out		
Gothic roof - 2 stories	5112 A	8
Gambrel roof - 2 stories	5112 B	8
Gambrel roof - 1-1/2 stories	5112 C	8
Gable roof - 1-1/2 stories	5112 D	8
Gable roof - 1 story - flat ceiling . . .	5112 E	7
Gable roof - 1 story - sloped ceiling . .	5112 F	7
36 Foot Barn - 6 Different Layouts		
Gothic roof - 2 stories	5113 A	9
Gambrel roof - 2 stories	5113 B	9
Gambrel roof - 1-1/2 stories	5113 C	9
Gable roof - 1-1/2 stories	5113 D	9
Gable roof - 1 story - flat ceiling . . .	5113 E	8
Gable roof - 1 story - sloped ceiling . .	5113 F	8
36 Foot Barn - 5 Different Layouts		
Gothic roof - 2 stories	5114 A	9
Gambrel roof - 2 stories	5114 B	9
Gambrel roof - 1-1/2 stories	5114 C	9
Gable roof - 1-1/2 stories	5114 D	9
Gable roof - 1 story - flat ceiling . . .	5114 E	8
Gable roof - 1 story - sloped ceiling . .	5114 F	8

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
36 Foot Barn - 3 Different Layouts		
Gothic roof - 2 stories	5118 A	9
Gambrel roof - 2 stories	5118 B	9
Gambrel roof - 1-1/2 stories	5118 C	9
Gable roof - 1-1/2 stories	5118 D	9
Gable roof - 1 story - flat ceiling . . .	5118 E	8
Gable roof - 1 story - sloped ceiling . .	5118 F	8
36 x 76		
Gambrel roof	2.26	1
36 x 132		
Gable roof - 1 story	2.30	3
42 x 80		
Three alternate plans available		
Gable, gambrel or gothic roofs	2.30-1	3
O.S.C. Dairy Barn Plans - 3 wings - size		
can be reduced as desired	2.27	14
Dairy barn plans are illustrated in U.S.D.A. Farmers' Bulletin #1342, "Dairy Barn Construction." This bulletin is available in offices of county agents.		

Horse Barns

Mow capacities given in table on page 8.

20 x 30		
Gable roof	2.33	1
Gable roof	5455	1
28 x 36		
Hip roof	2.32	3
36 x 58		
Gambrel roof	2.31	3
36 Foot Barn - 5 Different Layouts		
Gothic roof - 2 stories	5110 A	8
Gambrel roof - 2 stories	5110 B	8
Gambrel roof - 1-1/2 stories	5110 C	8
Gable roof - 1-1/2 stories	5110 D	8
Riding Horse Barn - 22 x 34 - gable roof. .	5456	2

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

Beef Barns Plan No. No. of Sheets

Mow capacities given in table on page 8.

10 x 40 and 10 x 60 L-shaped calving barn	5461	1
20 x 68 and 20 x 44 L-shaped cattle shed - gable roof	5460	1
36 x 48 Gambrel roof	2.41	3
Gambrel roof - capacity 34 steers, 50 tons hay	5262	2
36 x 120 Gambrel roof	2.42	1
52 x 72 Gable roof-capacity 28 head loose cattle, 6 stalls, 85 tons hay	5265	3

Bull Barns

12 x 18 Gable roof	2.51	1
16 x 32 Bull barn and lots - gable roof	5462	2
Experimental Pen Barn 32' x 84' (12 x 12 pens)	2.52	4

GENERAL CONSTRUCTION PLANS

Stanchion Details

Steel	2.011	1
Wood	2.012	1

Roof Details

Iowa truss - Gambrel	2.021	1
Shawver truss - Gambrel	2.022	1

Gothic Rafter Details

Bent type	2.023	1
Sawed type	2.024	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
Oregon Arch Roof Details	2.025	1
Oregon Arch Rafter Details - 20' span	2.026	1
Trussed Rafter Details - 40' span	2.027	1
Trussed Rafter (Gambrel Roof) 24' Span	2.029	1
" " " " 26' Span	2.030	1
" " " " 42' Span	2.028	1

LIST OF PLANS FOR OTHER FARM BUILDINGS

	<u>Plan No.</u>	<u>No. of Sheets</u>
<u>Hog Houses</u>		
6 x 8 Individual modified "A" type	2.61	1
8 x 8 Individual modified "A" type	5478	1
Portable "A" type	5477	1
8 x 16 Farrowing house	5480	3
9 x 12 Gable roof	5479	1
13 x 37 Single row farrowing house - gable roof. .	5475	1
20 x 42 Farrowing house - gable roof	5476	1
24 x 36 Gable roof	2.63	3
24 x 170 O.S.C. Hog house - gable roof	2.62	4
36 x 74 Gable roof	5481	4
U.S.D.A. Farmers' Bulletin #1487, "Practical Hog Houses" is available in offices of county agents.		

Sheep Sheds

12 x 76 Lambing shed - gable roof	5472	1
16 x 24 Gable roof	5019	1
Shed roof	5025	1
20 x 60 Lambing shed	2.72	2
Lambing shed	2.73	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
20 x 80 L-shaped shed	2.75	2
22 x 42 Combination gable roof	2.71	2
26 x 76 Sheep barn - gable roof - 20 tons hay storage	5471	2
28 x 60 Shearing shed	2.74	3
68 x 96 Night dropping shed - combination gable and shed roof	5473	1

Poultry Houses

8 x 10 Poultry Range House - Gable Roof	2.85	1
12 x 14 Portable brooder house - shed roof	5431	1
16 x 35 Brooder house - gable roof	5291	3
18 x 22 Isolation building - gable roof	2.84	2
18 x 40 Shed roof	5489	3
20 x 20 Shed roof	5131	3
Metal laying house - shed roof	5488	1
22 x 43 Adobe laying house - shed roof	5487	1
22 x 100 O.S.C. remodeled poultry house - gable roof	2.82	2
24 x 48 Laying house - gable roof	5485	2

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
24 x 72		
Two-story house - gable roof	5133	5
26 x 100		
Two-story house - gable roof	2.81	4
Air Circulation Plan for Poultry House		
Floor Heating	2.801	1
Fan Box and Evaporative Pad for Egg		
Storage Room	2.83	1
Summer Range Shelter	5400	1

Poultry house plans are illustrated in Extension Bulletin #400, "Poultry Housing." This bulletin is available in offices of county agents.

BUILDINGS FOR HOUSING EQUIPMENT AND SUPPLIES

Machinery Sheds

20 x 48		
Implement shed and shop - gable roof . .	5338	1
Machinery shed - gable roof	3.09	2
20 x 45		
Machinery shed and shop - hip roof . . .	3.16	1
20 x 60		
Implement shed - gable roof	5495	1
24 x 36		
Implement shed and shop - gable roof . . .	3.12	1
Machinery shed - gable roof	3.11	2
26 x 80		
Implement shed and shop - gable roof . .	5341	3
30 x 98		
Machinery shed - gable roof	3.10	2

Farm Shops

24 x 30		
Gable roof	5146	1
18 x 24		
Farm shop and garage - gable roof	3.13	2
Workshop and garage - gable roof	3.13a	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
<u>One-Car Garages</u>		
12 x 20		
Gable roof	3.15	1
Gable roof	5150	1
<u>Two-Car Garages</u>		
18 x 20		
Hip roof	3.14	2
20 x 20		
Gable roof	5149	1
Garage and apartment - apartment above has kitchen, bedroom and combination dining and living room - 20 x 22 - gable roof	5496	2
Utility building - 24 x 30 - gable roof .	5497	1
Utility building - 16 x 16 - shed roof . .	5501	1
Ice house - 26 x 41 - gable roof	3.21	1
and 5038		1
<u>Manure Pits</u>		
Concrete - gable roof	5499	1
Concrete - 18 x 37 - gable roof	3.31	1
Dimensions available for 10,20,30, and 40 cows - gable roof	3.32	1
Solids (hog barn) pit - 16 x 36 - concrete .	3.36	1
<u>Liquid Manure Tanks</u>		
10 by variable lengths		
Concrete	3.34	1
16 x 48		
Wood	3.33	1
20 x 51 x 6 deep		
Concrete	3.35	1
Liquid Tank (concrete)	3.37	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

BUILDINGS FOR FARM PRODUCTS

Hay Sheds

	<u>Plan No.</u>	<u>No. of Sheets</u>
24 x 48		
Gable roof	4.12	1
24 x 60		
Gable roof	4.11	1

Granaries

10 x 10		
Movable - 500 bu. - gable roof	4.17	1
12 x 14		
Movable - 1000 bu. - gable roof	4.18	1
14 x 24		
4 bins - 1800 bu. - gable roof	4.16	1
4 bins - 1800 bu. - gable roof	5528	1
Gable roof - 1800 bu.	4.23	1
31 x 32		
Gable roof - 6400 bu.	4.19	1
Gable roof - 4 lower bins, 2 upper bins, 6400 bu.	5529	1
Storage shed - semicircular - adapted for movable bins	5145	2

Grain Elevators

10,000 Bushels		
30 x 31 - gable roof	4.22	3
30 x 30	5325	3
30 x 30 - crib construction	5532	3
11,000 to 11,500 Bushels		
2 bins - 14 x 14 x 36 - gable roof	4.20	2
Crib construction - 16 x 31	5093	2

Corn Cribs

700 bu. - 6 x 32 - shed roof	5533	1
28 x 32 - gable roof	4.24	1
4-1/2 x 20 - gable roof	4.25	1
Combination crib and granary - 27 x 32 - 900 bu. ear corn, 2000 bu. small grain	5535	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

<u>Potato Houses</u>	<u>Plan No.</u>	<u>No. of Sheets</u>
Above-ground house - 12 x 16 - 600 bu. . .	5492	1
Above-ground house - 18 x 28	5493	1
Potato cellar - 36 x 48 - dugout type . .	5504	1
Root cellar - log construction - 16 x 20 .	5491	1
Root cellar - concrete - 10 x 11	5330	1
Potato cellar - 46 x 99	4.33	2
Typical Klamath County Potato Cellar.		
Apple Storage House - 16 x 24 - gable roof	4.31	3
Fruit and Vegetable Storage - 20 x 36 - underground	4.32	2
Wooden Hoop Silo	5490	3
U.S.D.A. Farmers' Bulletin #1820, "Silos - Types and Construction."		
U.S.D.A. Farmers' Bulletin #1442, "Storage of Sweet Potatoes."		
U.S.D.A. Farmers' Bulletin #847, "Potato Storage and Storage Houses."		
U.S.D.A. Farmers' Bulletin #879, "Home Storage of Vegetables."		

BUILDINGS FOR MANUFACTURING AND PROCESSING

Smokehouses

6 x 8		
Frame construction - gable roof	5.11	1
Frame construction - gable roof	5.13	1
Frame construction	5029	1
8 x 10		
Masonry construction	5.12	1

Milk Houses

7 x 9		
Gable roof	5032	1
Gable roof	5.23	1
8 x 16		
2 room - gable roof	5502	1
10 x 12		
*Gable roof (low cost)	5.20	1
Gable roof	5.24	1

*For use by small cream producers, but not for Grade A or B market milk.

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
10 x 16		
2 room - gable roof	5.25	1
10 x 20		
Shed roof	5.22	1
12 x 14		
Gable roof	5.21	3
26 x 37		
Gothic roof - office, dressing room, bathroom, boiler room, milk and work rooms.	5.29	6
Milk House for Producer-Distributor -		
14 x 36 - alternate floor plan	5.26	2
Three-room milk house - 12 x 24 -		
gable roof	5.503	2
Farm Bottling Plant - 14 x 24 - gable roof.	5.27	3
Sixteen-Case Dairy Cooler - 5 x 6	5.28	1
Incinerator (animal)	5.14	1

Nut Driers

5 x 6 - gable roof - space for 16 trays . .	5.31	1
Walnut-filbert drier - 12 x 32 - hip roof .	5.32	3
Walnut drier - 28 x 30 - gable roof	5.33	1
Recirculation type filbert drier - 20 x 32		
gambrel roof	5.34	1
500 lb. nut drier	5.37	1
Filbert or walnut drier	5.37a	1
Filbert or walnut drier	5.38	1
Filbert or walnut drier	5.39	1

Corn Driers

Oregon shelled corn drier	5.35	3
Shelled corn drier - 8 ton capacity . . .	5.351	3
Oregon shelled corn drier - steam heat . .	5.36	1
Ear corn drier - 18 x 28 - gable roof . .	5.30	4
Experimental hop drier	5.40	3
Steam cabinet - 2-1/2 x 2-1/2 - wood or		
steel	5.41	1
Steam cabinet - 2-1/2 x 2-1/2 - concrete .	5.42	1
Nursery thresher for grass seed		
(adjustable)	5.51	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

	<u>Plan No.</u>	<u>No. of Sheets</u>
<u>Potato Washers</u>		
Flood type	5.61	1
Spray type	5.62	1
Spray type with soaking tank	5.64	1
Spray type with soaking tank and recirculation system	5.65	1
Cylinder type	5.66	1
Rope Bottom Potato Hopper	5091	1
Apple washer	5494	1

LIVESTOCK EQUIPMENT AND CONVENIENCES

Cattle Feeders

Cattle bunk - 4 x 12	6.11	1
Cattle self-feeder - 5 x 17 - gable roof	6.12	1
Cattle self-feeder - chopped hay	6.121	1
Hay feeding rack - 15 x 18	6.13	1
Cattle feeder - long hay	6.131	1
Cattle hayrack - V openings - movable	5463	1
Cattle hayrack - slatted - movable	5464	1

Hog Feeders

Hog self-feeder - 5' x 10'	6.16	1
Hog self-feeder - 4 x 6 - gable roof	6.14	1
Hog self-feeder - 12 pigs	5482	1
Hog self-feeder - 30 to 40 hogs.	5483	1
Hog self-feeder - portable, large capacity - 10 x 10 by 8 high	5484	1
Range sheep feeder - 25 x 48 - 18 tons hay.	5474	1
Sheep feeder (long hay) 2'10" x 16'.	6.15	1

Chutes

Cattle stocks.	5066	1
Dehorning chute	6.62	1
Truck loading chute	6.63	1
Modified Nevada type chute	6.64	1
Chute and corral - Oliver plan	6.65	2
Movable hog loading chute	5388	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

<u>Breeding Crates</u>	<u>Plan No.</u>	<u>No. of Sheets</u>
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Cattle breeding crate	6.31	1
Hog breeding crate	6.32	1

Dipping Vats

Concrete	6.21	1
Sheep vat - concrete	6.22	1

Cattle Guards

Wood	5468	1
Concrete and wood	5469	1
Concrete and steel	5470	1
Cattle guard	6.66	1

Farm Gates

Automatic gate	5467	1
Several types farm gates	5505	1
Cattle squeeze	5465	1
Calf creep	5466	1
Hog scalding equipment	5063	1
Low-down silage rack	6.41	1
Scale and corral layout	6.61	1
Autopsy table.	6.71	1

U.S.D.A. Farmers' Bulletin #1490, "Hog-Lot
Equipment," is available in offices of county agents.

STRUCTURAL EQUIPMENT

Refrigeration

Two temperature farm refrigeration plant .	5.43	4
Extra door details for home built doors.		2
Refrigerator - side-icer - small walk-in type	5027	1
Ice box	5510	1
Evaporator cooler	5511	1
Mechanical refrigerator - 80 cubic feet - semi-walk-in type	5513	4
Dairy cold box - 5 sizes of boxes included in plan - size of mechanical equipment given	5514	3
Meat curing box	5024	1

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

Water Supply

	<u>Plan No.</u>	<u>No. of Sheets</u>
Pumphouse 8' x 10'	7.34	1
Water barrel (90 gallon) on sled	7.11	1
Fireproof pump house - 14 x 14	7.32	1
Plan of permanent pipe system for sprinkler irrigation of 12 acre pasture.	7.31	1
Layout of complete hot and cold water system.	5518	1
Simple water system - sink pump	5515	1
Simple water system - engine and tank.	5516	1
Simple water system - hot water in kitchen	5517	1
Simple water system - pneumatic	5519	1
Open water tower - 3000 gallons	5520	1
Closed water tower - 3000 gallons	5521	1
Diversion works for gravity water systems.	7.33	1

MISCELLANEOUS

Camp Cabins

3 rooms	5185	1
5 rooms - log cabin	5506	2
3 rooms - log cabin	5507	1
Fresh air sleeping cabin - 12 x 16	5508	1

Roadside Stands

Large stand - 20 x 24	5192	1
Small stand - 12 x 24	5193	1
Open stand	5194	1
Movable stand	5509	1
Mormon hay stacker	5522	2
Hay derrick	5523	2
Electric soil sterilizer	8.11	1
Cone feed mixer	8.12	1
16-foot overshot water wheel	8.13	2
Merry-go-round for playground	8.21	1
Playground layouts	5183	1
Trailer for scales	8.22	1
Air meter	8.23	1
Shingle making jig	8.24	1
Cross section of greenhouse	8.25	1
500 chick fan - type electric brooder	8.30	1

Extension circular #337, "Farm Water Systems," contains plumbing plans.

Extension circular #333, "A Concrete Septic Tank for the Farm," contains plans for concrete septic tanks and kitchen sink drain plans.

The cost of plans is 15¢ per sheet, plus an order charge of 35¢ for each order.

U.S.D.A. Farmers' Bulletin #1525, "Effective Haying Equipment and Practices."
U.S.D.A. Farmers' Bulletin 1858 - Electric Motors for the Farm
Extension Circular #332, "A Low-Head Turbine for Farm Hydro-Electric Development."
Extension Circular #330, "4-H Club Rural Electrification Project,"
(Wiring diagrams showing use of 3 and 4-way switches).
Extension Bulletin #531, "Better Farm and Home Lighting,"
(contains plan for a homemade electric light reflector and a dimming assembly for poultry house lights).
U.S.D.A. Farmers' Bulletin #1318, "Greenhouse Construction and Heating."
U.S.D.A. Farmers' Bulletin #1698, "Heating the Farm Home."

All circulars and bulletins are available in the offices of county agents.

MISCELLANEOUS FARM SHOP PLANS

Sheets Size: 8-1/2 x 11 inches, unless otherwise noted.

Price of blueprints, 8¢ each for less than 10; ten or more 5¢ each, postpaid, unless otherwise noted.

<u>No.</u>	<u>Title</u>	<u>No.</u>	<u>Title</u>
AE-1	Poultry Mash Feeder, with Stand.	AE-14	Gate Hook.
*AE-2	Farm Tool and Nail Box.	AE-15	Chain Making
*AE-3	Sawhorse.	AE-16	Swivel
AE-4	Carpenter Tool Cabinet.	AE-17	Round Nose Chisel
AE-5	A-Type Hog House.	AE-18	Poultry Mash Feeder, with Stand (new Type)
AE-6	Barrel Holder.	AE-19	Inclined single stroke, Gothic lettering.
AE-7	Dry Mash Hoppers.	AE-23	Tool Cabinet with Vertical Sliding Door.
AE-8	Hinged Lambing Panels.	AE-24	Tool Cabinet - with hinged doors.
AE-9	Gate Hinge.	AE-25	Concrete Tester - for determining breaking strength of 2"x2"x12" test bars.
AE-10	Welded Clevis.	AE-26	Saw Filing Vise
AE-11	Common Forge Tools.		
AE-12	Door Pull.		
AE-13	Ring.		

<u>No.</u>	<u>Title</u>	<u>No.</u>	<u>Title</u>
AE-27	Playground Equipment. Merry-go-round. 11" x 17"	AE-35	Common and Extension Ladders.
AE-28	Playground Equip. Giant stride.	AE-36	Weeder
AE-29	" " Swings.	AE-37	Magazine Rack
AE-30	Wheelbarrow.	AE-38	Stock Trailer 11" x 17"
**AE-31	Trailer with Built-in Scales. 11" x 17". Price 25 cents.	AE-39	Rivet Container
AE-32	General purpose trailer 11" x 17".	AE-40	Light Shade
AE-33	Tank Holder & Milk Stool.	AE-41	Playground Slide 11" x 17"
AE-34	Wooden Drag.		

*Mimeographed question sheets for blueprint reading exercises are available for use in connection with these blueprints. When ordering specify "Mimeographed test sheets for use with blueprint No. _____."

The cost of a structure depends on many factors, such as local prices of materials, amount of material and labor to be supplied by the farm, and whether the work is to be on the day labor basis, on the basis of cost of material and labor plus a certain bonus, or by contract. The most accurate method of determining the cost is to submit the plans and specifications to two or three local builders and obtain written bids for which they will erect the structure complete.