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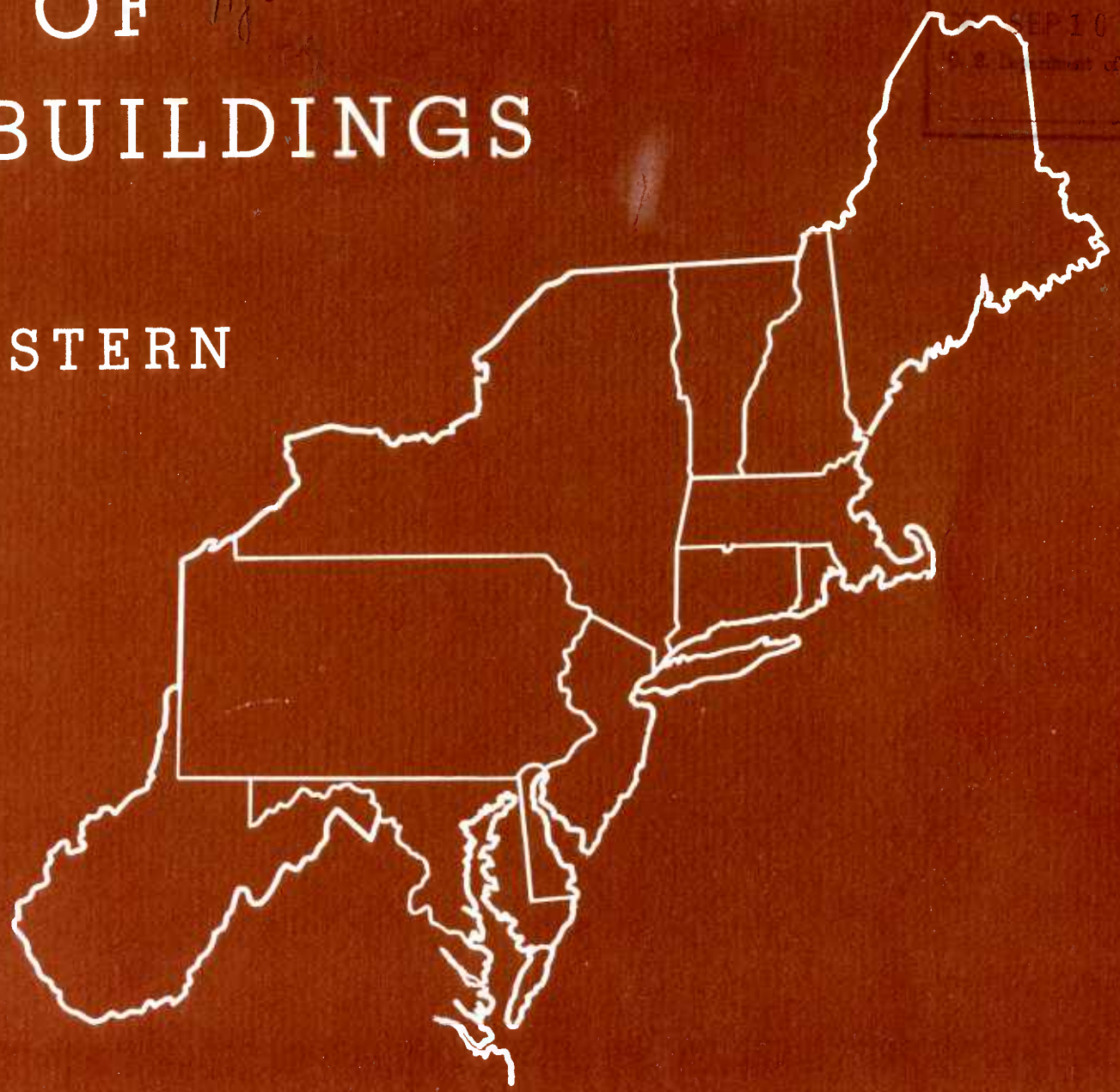
PLANS OF FARM BUILDINGS FOR NORTHEASTERN STATES



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THUMB INDEX

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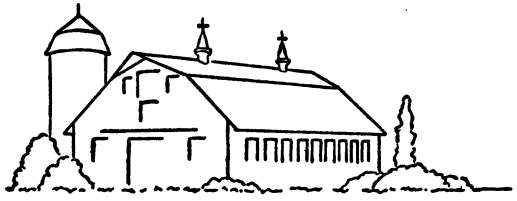

Compiled by

THE BUREAU OF AGRICULTURAL ENGINEERING AND THE EXTENSION SERVICE IN COOPERATION WITH THE FOLLOWING COLLEGES AND UNIVERSITIES AND THEIR COOPERATIVE EXTENSION SERVICES IN AGRICULTURE AND HOME ECONOMICS

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UNITED STATES DEPARTMENT OF AGRICULTURE · MISCELLANEOUS PUBLICATION No. 278 · WASHINGTON, D. C., AUGUST 1937

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INTRODUCTION

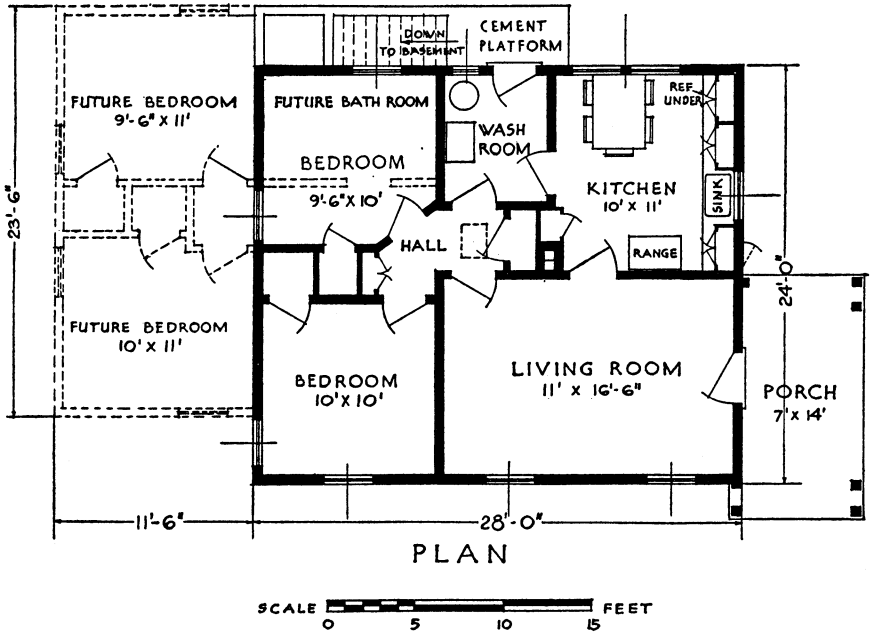
FOR a number of years the colleges of agriculture and the extension services of most States, as well as the Bureau of Agricultural Engineering of the United States Department of Agriculture, have been supplying plans for various types of farm structures to prospective builders. This book brings together a selection of these plans which, in general, are adapted to the 12 Northeastern States and are available through their agricultural extension services.

This selection was made by agricultural engineers representing the colleges of agriculture and extension services of the Northeastern States to illustrate building recommendations for dwellings, livestock, barns and shelters, storages for farm products and equipment, and for other purposes. The construction recommended is safe, economical, and suited to the region. The appearance of the buildings is planned to harmonize with types prevalent in these States.

Working drawings for the construction of these buildings may be obtained at low cost through the county agricultural extension agent, or from the extension agricultural engineer at the address of the State college or university shown on the preceding page.

The county agricultural agent can usually supply information about other farm-building plans especially suitable for climatic or local conditions in the State. Recommendations for ventilation and insulation of structures vary from Maine to Maryland; also, city ordinances and State health regulations governing the sale of whole milk differ sufficiently to require that dairy-barn and milk-house plans be approved locally.

Special drawings to meet individual needs are not furnished by the agricultural colleges and extension services. The services of architects and reputable commercial agencies are recommended for altering these plans for special requirements and for the specifications of materials different from those shown.



PLAN

4-ROOM FARMHOUSE

2 Sheets

FLOOR AREAS

Superstructure, original house 670 square feet; with addition, 940 square feet; cellar, 255 square feet; porches, 120 square feet.

HOUSE 6514 with basement and furnace, is well adapted to northern conditions. The steps to the basement may be outside as shown, or the washroom may be extended to include the steps and provide protection during stormy weather. The original house, in order to come in the class of low-cost houses, does not contain a bathroom. A pump at the kitchen sink provides water until funds permit of the installation of a modern plumbing system.

DRAWING No.
710-6524

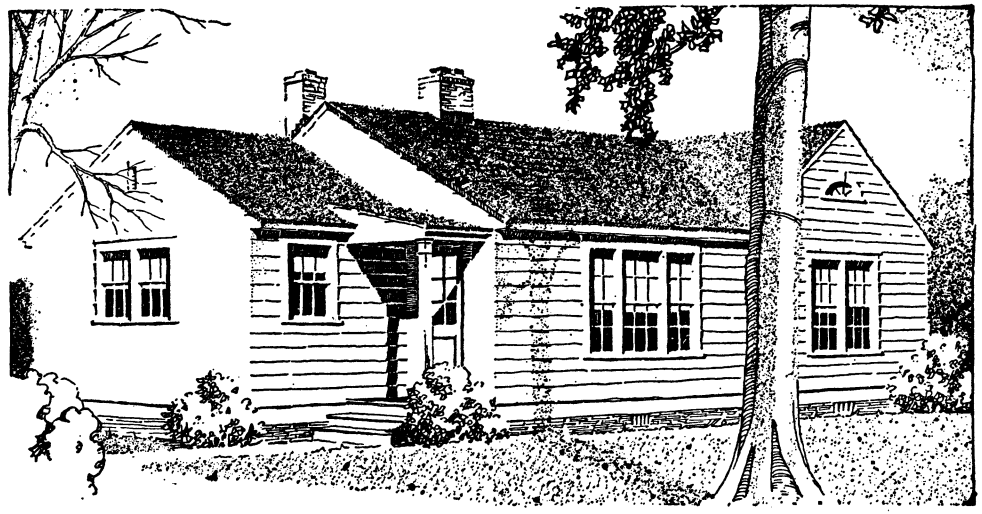
5-ROOM FARMHOUSE

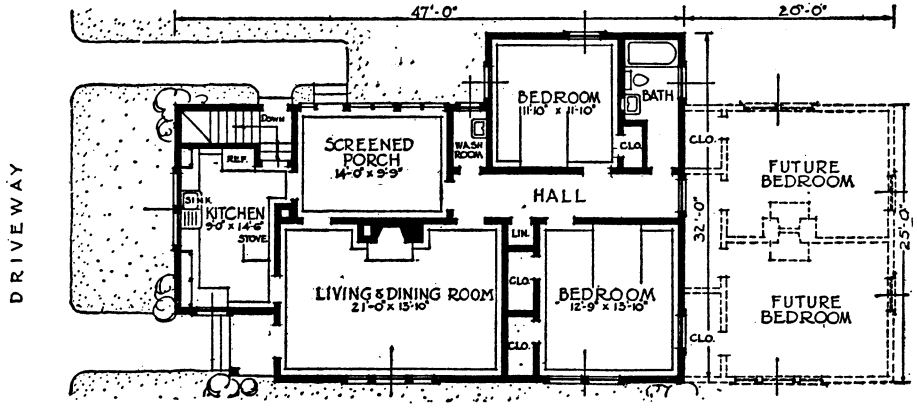
3 sheets

FLOOR AREAS

Superstructure, first unit 1,245 square feet; with addition, 1,735 square feet; porches, 25 square feet; cellar, 400 square feet.

THE charm of house 6524 lies in its informality and simplicity. It is built for comfort and service. This is an easy house to move around in, and the kitchen is very efficiently arranged, with ample cabinet space. The screened porch, in addition to providing a cool and inviting summer dining room and work space, affords ready access to all the rooms of the house. If future bedrooms are contemplated, the hall window in the first unit should be replaced with a door. This will not only provide an extra exit from the house but obviate unnecessary cutting and tearing out when the addition is built.

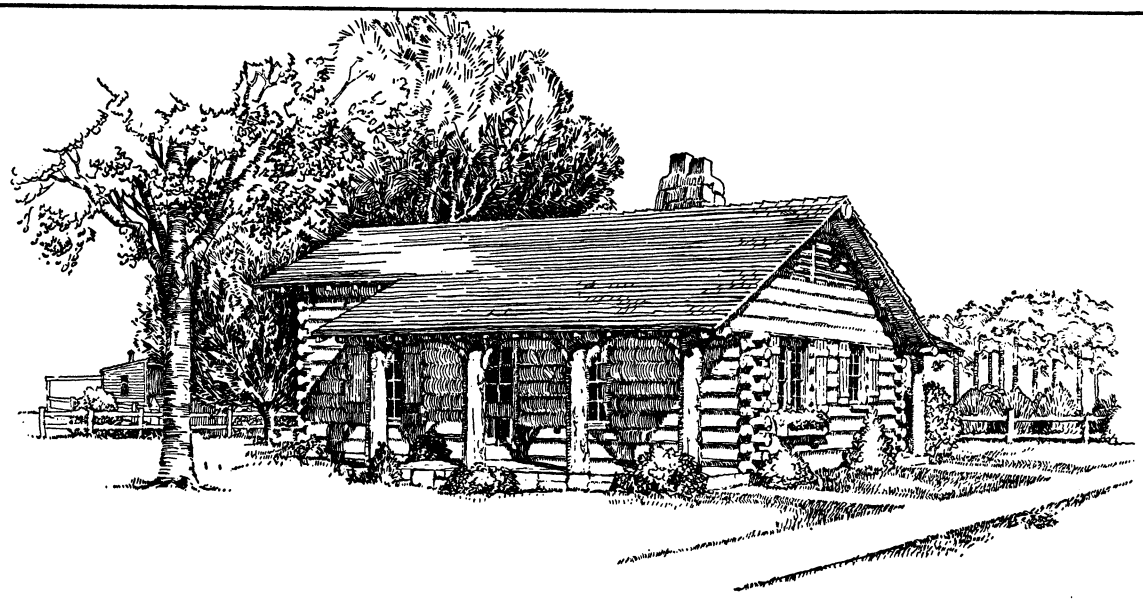


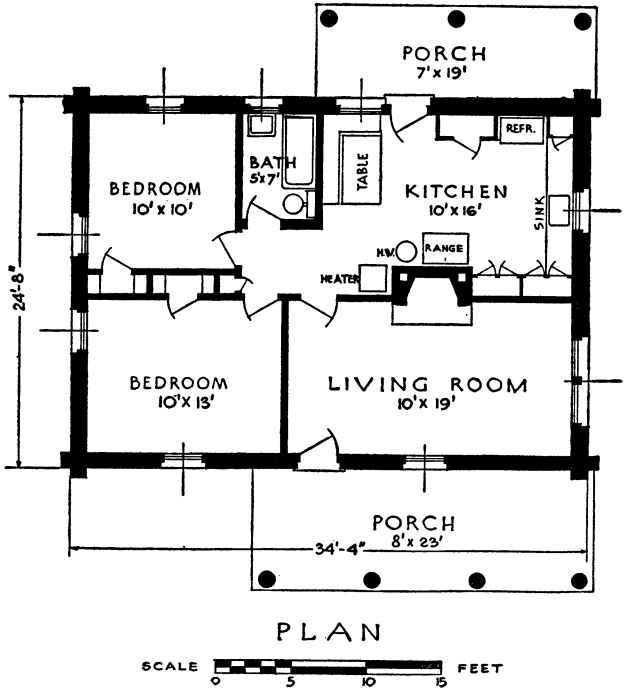


PLAN

SCALE 0 5 10 15 20 FEET

DRAWING No.
710 – 6526





PLAN

SCALE 0 5 10 15 FEET

4-ROOM FARMHOUSE

2 Sheets

FLOOR AREAS

Superstructure, 845 square feet; porches, 300 square feet.

IN SPITE of present-day improvements in building materials, the rugged appearance of a log cabin harmonizes with rural settings. Log construction blends into wooded surroundings more intimately than boards, bricks, or stucco. The central chimney serves the kitchen range, circulator heater, and fireplace. The ample size of the kitchen, and its built-in conveniences add greatly to the desirability of the design. A pass cupboard between kitchen and living room may be arranged in the cabinet next to the outer wall.

DRAWING No.
710 – 6528

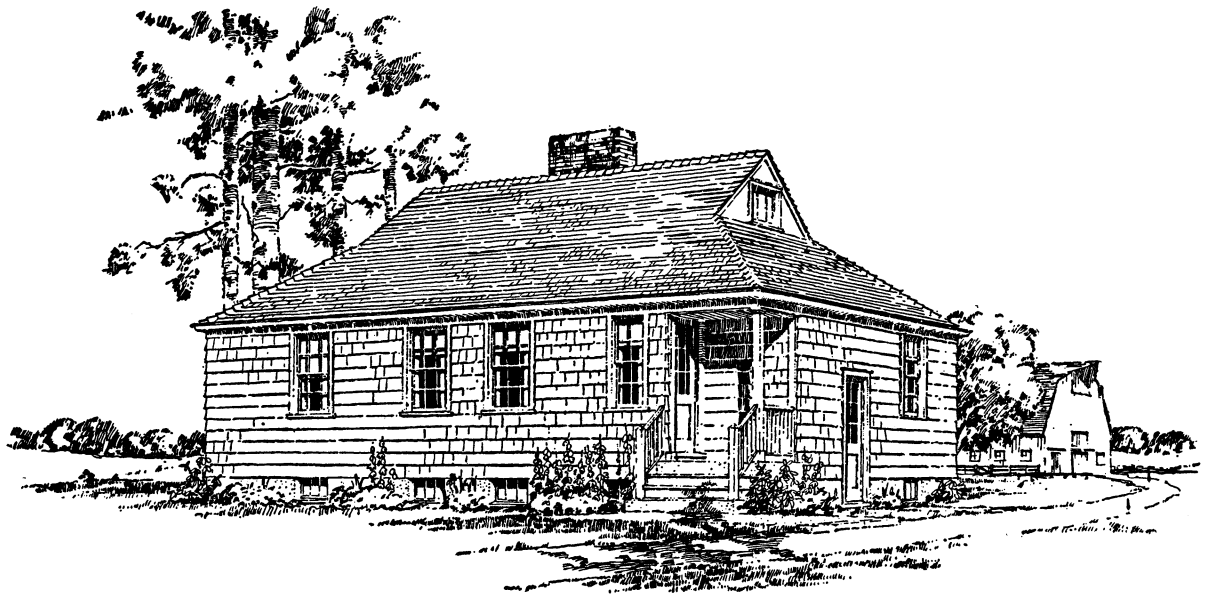
4-ROOM FARMHOUSE

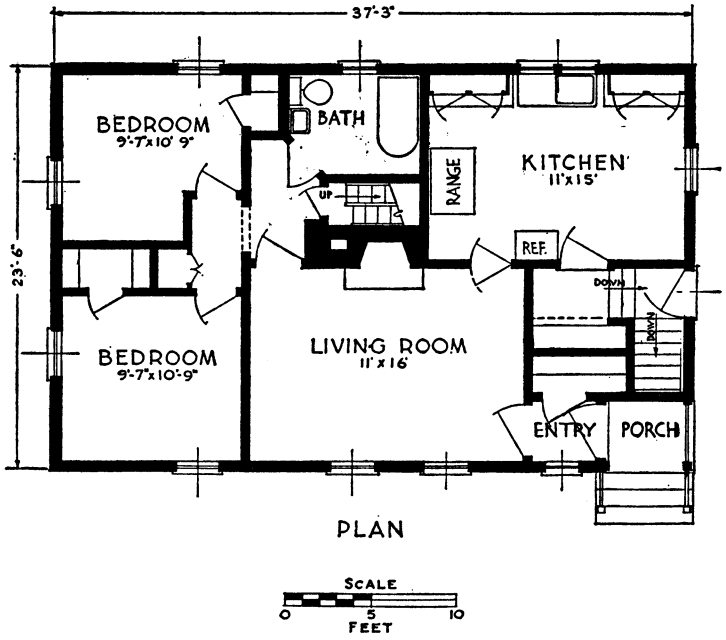
2 Sheets

FLOOR AREAS

Superstructure 875 square feet; cellar, 800 square feet; attic, 200 square feet.

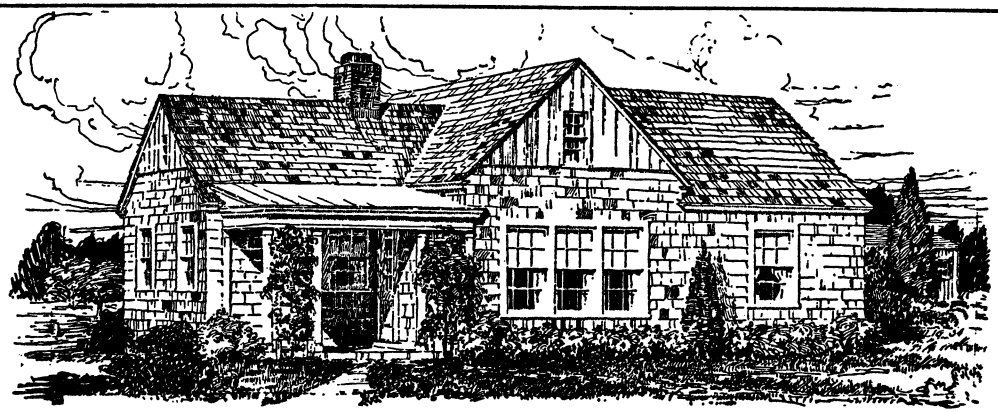
HOUSE 6528 is intended for use in cold regions, where cellars are needed for storing fuel and vegetables. The washroom, laundry, furnace, and cistern are in the cellar. This is a satisfactory and economical arrangement where there is good drainage for both the cellar and plumbing fixtures, as is the case on rolling ground. The central chimney has separate flues for furnace, range, and fireplace and provides good draft and conserves heat. A special type of stair leads to the attic, which provides a storage or emergency sleeping area of 200 square feet. A well-insulated ceiling is recommended to keep the house warmer in winter and cooler in summer.

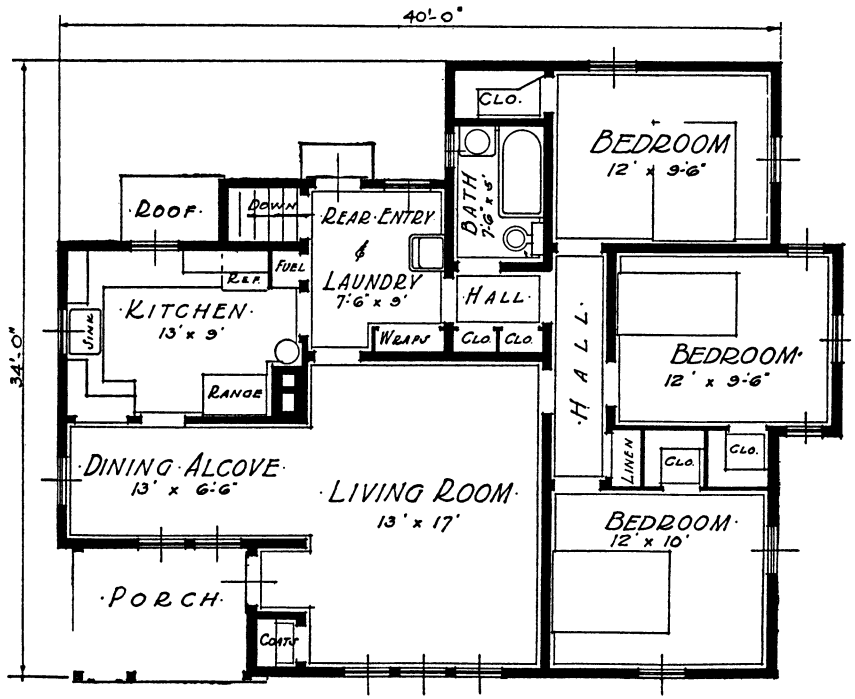




PLAN

DRAWING No.
710–6533





PLAN

SCALE 0 5 10 15 FEET

7-ROOM FARMHOUSE

3 Sheets

FLOOR AREAS

Superstructure, 1,130 square feet; porch, 80 square feet; cellar, 280 square feet.

MANY people do not consider a separate dining space essential in the small farmhouse because of the cost, but in this case the arrangement adds to the spaciousness of the interior without greatly increasing the cost. The rear entry serves as laundry and washroom, and as a back hall from the kitchen to the sleeping quarters and so obviates passing through the living room. In the cellar is the heating plant, with fuel bin. The house is kept low for appearance, but in no case should the joists be below the ground level.

DRAWING No.
710 – 6534

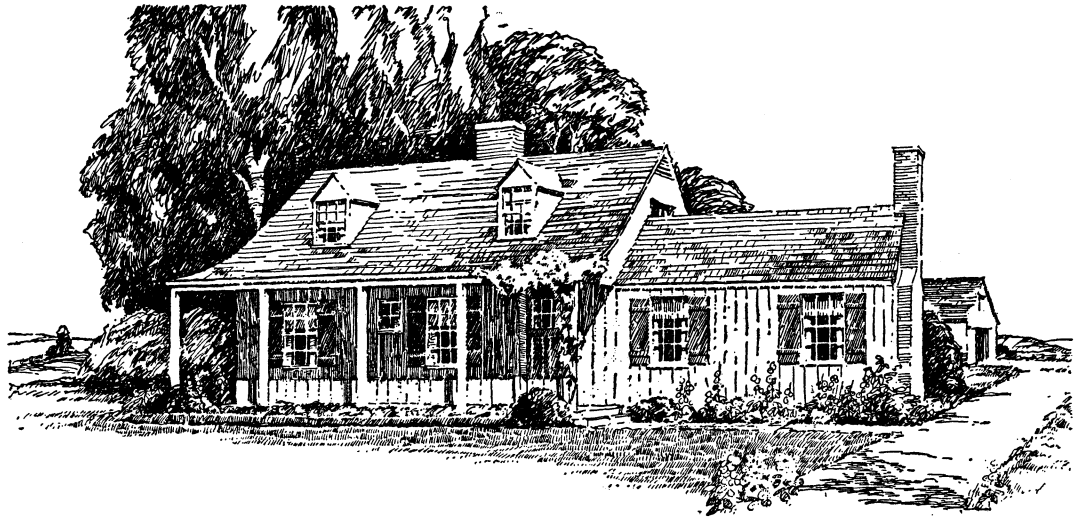
5-ROOM FARMHOUSE

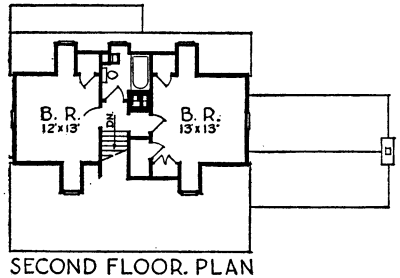
2 Sheets

FLOOR AREAS

Superstructure, original house, 1,420 square feet; with living room addition, 1,720 square feet; cellar, 775 square feet; porches, 285 square feet.

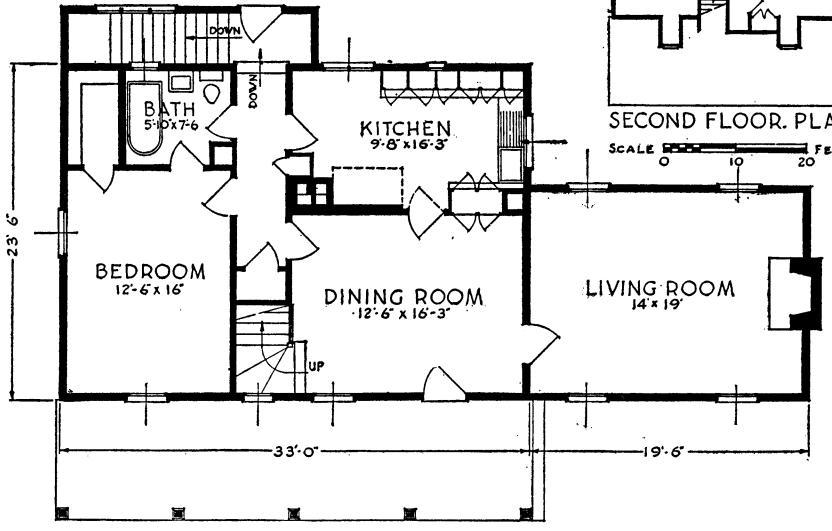
THIS simple farmhouse develops into a home of dignity and charm. The original unit furnishes all modern conveniences and an ample basement. A dining room is provided when the future living room is built. A hall partitioned off the bedroom provides access to two future bedrooms which may be conveniently built at the left. Comfortable bedrooms, a bathroom, and closets are located on the second floor.





SECOND FLOOR PLAN

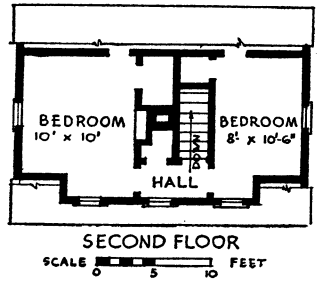
SCALE 0 10 20 FEET

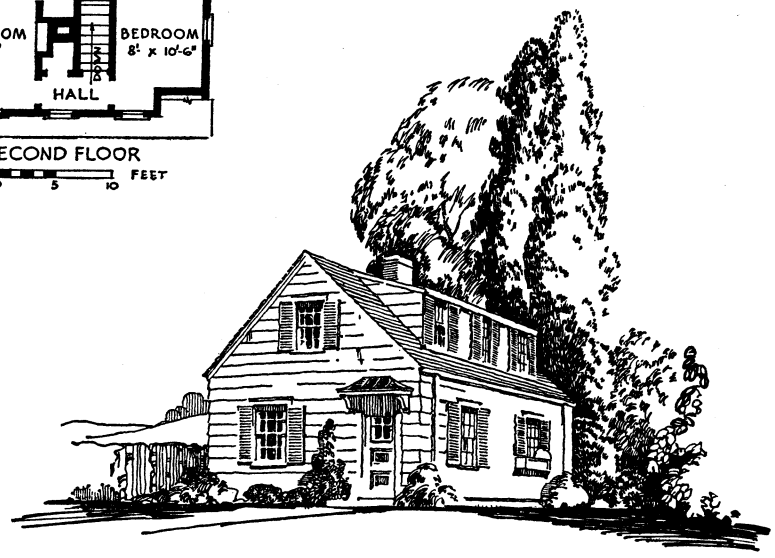


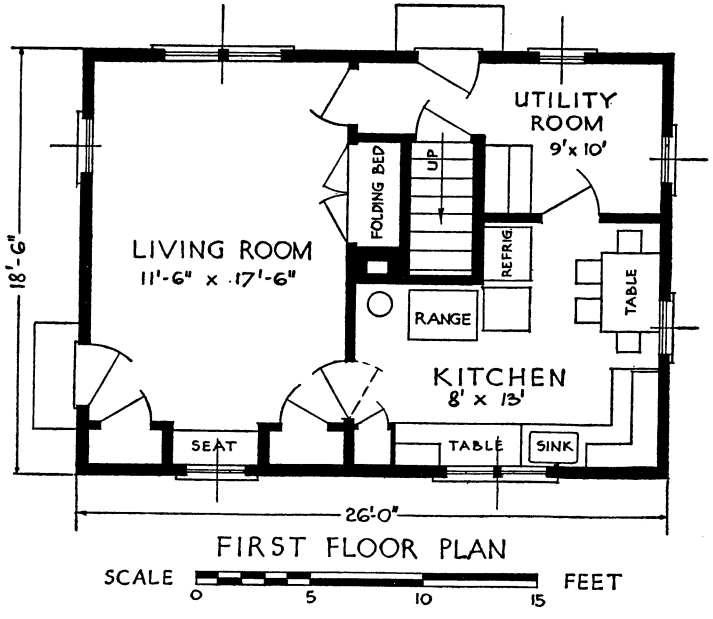
FIRST FLOOR PLAN

SCALE 0 5 10 FEET

DRAWING No.
710 – 6535







5-ROOM FARMHOUSE

3 Sheets

FLOOR AREAS

Superstructure, 820 square feet: porch, 30 square feet.

THIS might well be considered the smallest practical story-and-a-half farmhouse. Space is utilized to good advantage, the bathroom being omitted in the original structure for the sake of economy. The working drawings show an addition which provides a bedroom and bathroom on the first floor. The alternate plan shows a dormer in the rear like the one on the front, to make room for a second-floor bathroom. A distinctive feature of this compact design is the L-shaped kitchen with its well-grouped and well-lighted working surfaces and dining table.

DRAWING No.
710 – 6536

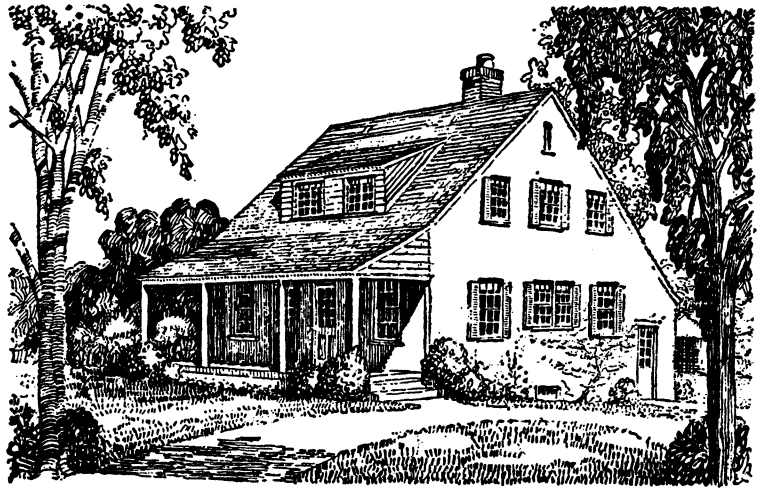
7-ROOM FARMHOUSE

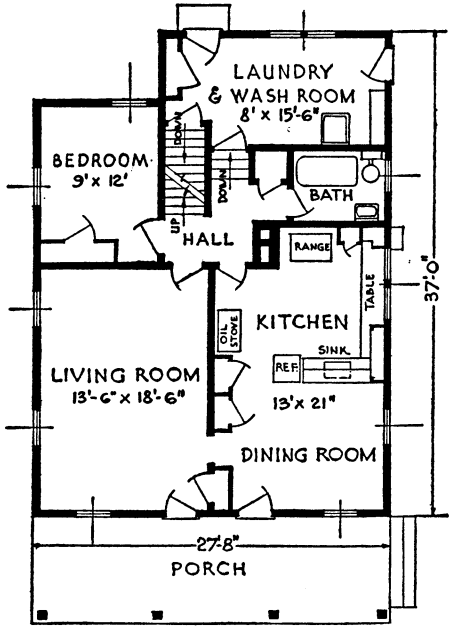
3 Sheets

FLOOR AREAS

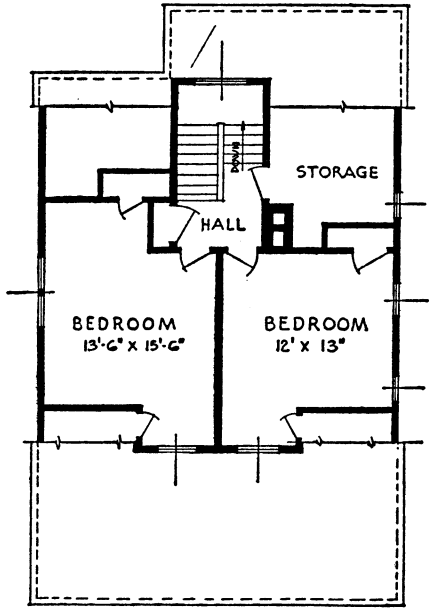
Superstructure, 1,560 square feet; cellar, 400 square feet; porch, 210 square feet.

THIS design illustrates a farmhouse of simple lines and economical construction. It illustrates the pleasing possibility of fitting the farmhouse to sloping ground, with ample light in the basement and easy flights of steps between the house proper, the large workroom at the rear, and the cellar. A second-floor bathroom may be provided in the storage space by the chimney, thus making the upstairs rooms suitable for rental to tourists.





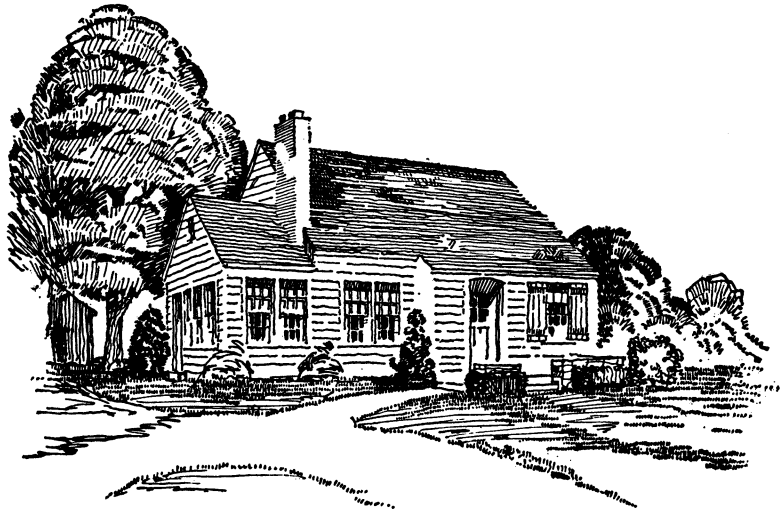
FIRST FLOOR PLAN

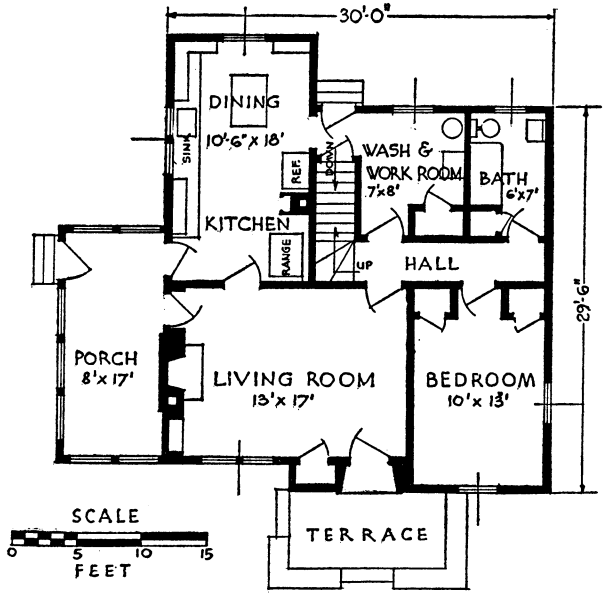


SECOND FLOOR PLAN

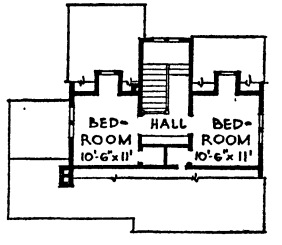
SCALE 0 5 10 15 FEET

DRAWING No.
710 – 6537





FIRST FLOOR PLAN



SECOND FLOOR PLAN

SCALE 0 10 20 FEET

6-ROOM FARMHOUSE

2 Sheets

FLOOR AREAS

Superstructure (including enclosed porch) 1,520 square feet; cellar, 840 square feet; terrace and steps, 100 square feet.

HOUSE 6537 is similar in many respects to no. 6536 though the rooms are somewhat smaller. A downstairs bedroom can be added beside the bathroom, or where initial funds are limited the second-floor bedroom can be left unfinished. The roof line sweeping down snug over the window of the first-floor bedroom helps to keep a two-story house from appearing too tall and makes it more harmonious in the farmstead scheme.

DRAWING No.
710 – 6539

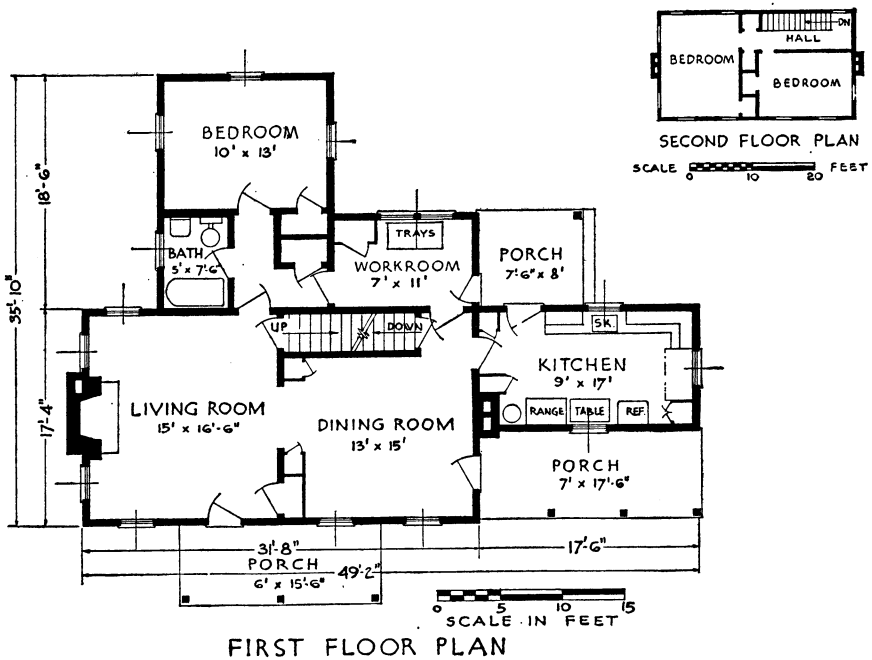
7-ROOM FARMHOUSE

2 Sheets

FLOOR AREAS

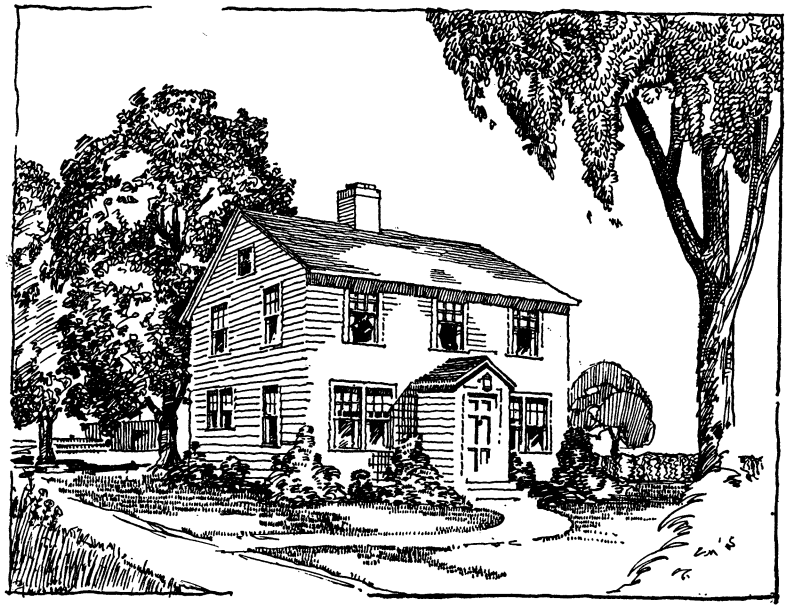
Superstructure, original house, 1,100 square feet, with kitchen addition, 1,270 square feet; with all additions shown, 1,620 square feet; porches on original house, 90 square feet; on completed house, 285 square feet; cellar, 565 square feet.

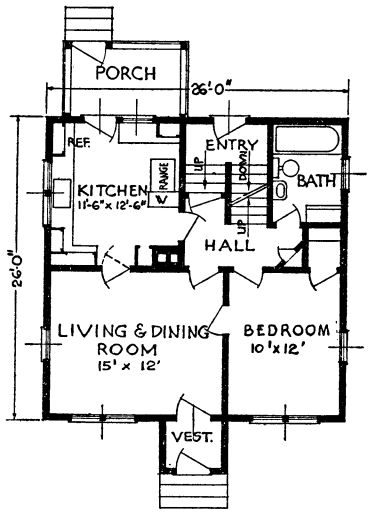
THOUSANDS of farmhouses in all parts of the North have begun with four rooms, like the main part of house no. 6539, and the development illustrated for this one should offer helpful suggestions both to farmers who plan to build new and those who expect to remodel present houses. It is a very practical design, expressing honest dignity.



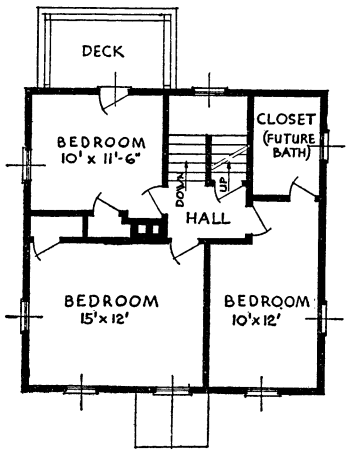
FIRST FLOOR PLAN

DRAWING No.
710–6540





FIRST FLOOR PLAN



SECOND FLOOR PLAN

6-ROOM FARMHOUSE

3 Sheets

FLOOR AREAS

Superstructure, 1,380 square feet; porch 70 square feet; cellar, 760 square feet.

THIS plan is intended for use in the North, where the compact floor plan with cellar and inside chimney and the front vestibule will simplify the heating problem. The first-floor level is above the ordinary height of packed snow in winter, but the grade entrance gives easy communication with both the cellar and the main part of the house. This permits convenient use of the cellar as a washroom and laundry, if in a well-drained location, as well as for storage purposes.

DRAWING No.
710–6506

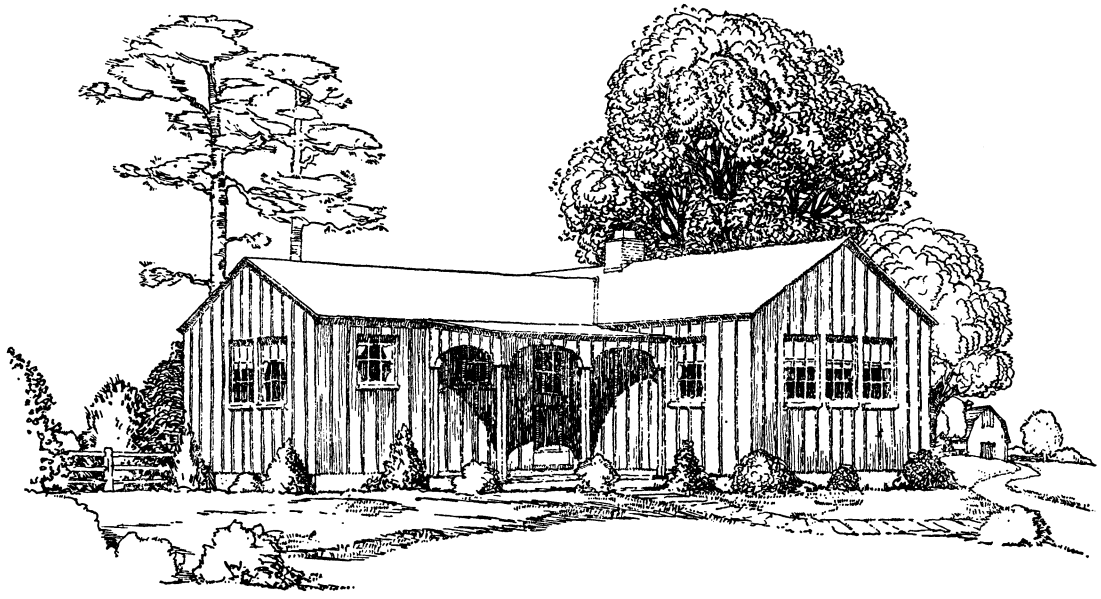
4-ROOM FARMHOUSE

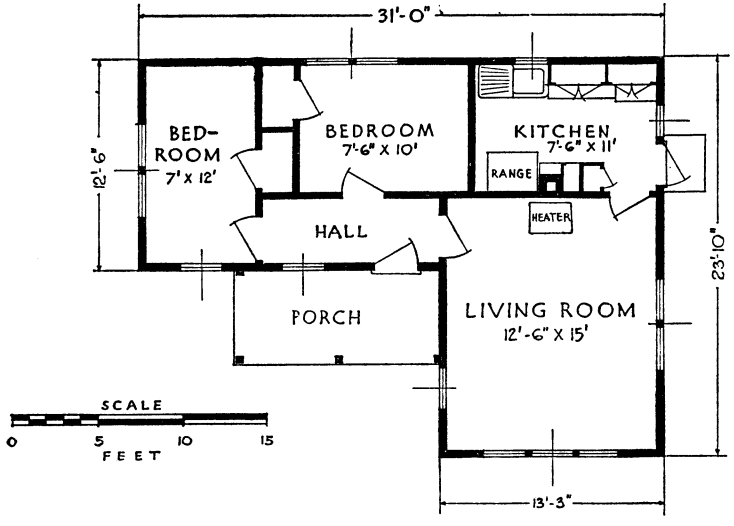
2 Sheets

FLOOR AREAS

Superstructure, 540 square feet; porches, 60 square feet.

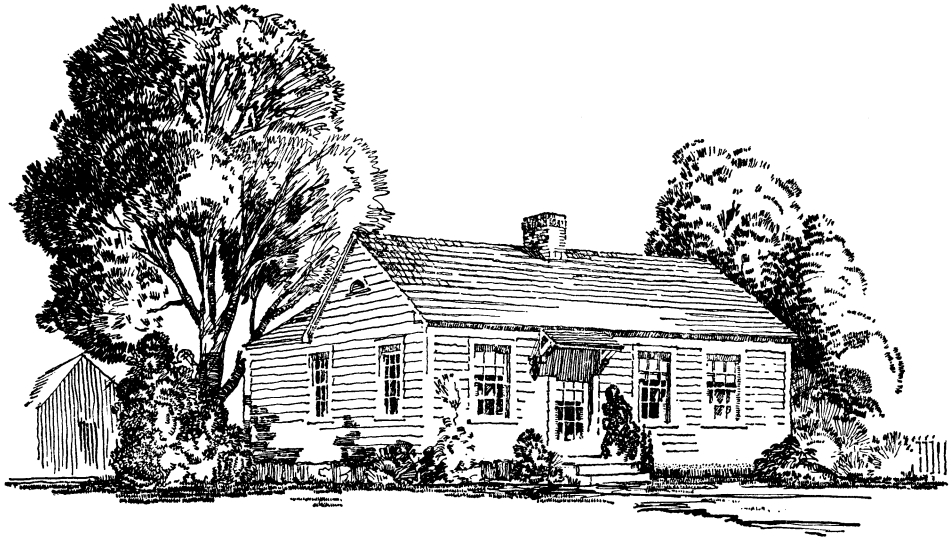
THOUGH the rooms in plan no. 6506 have been kept as small as possible in order to reduce the cost, good use of space is realized in the arrangement. Additions to the house would enable it to accommodate an average-sized family. A work-porch addition beside the kitchen and living room, between the windows, would provide a place for laundry work and for hanging outer wraps. A bathroom might be built by enclosing a portion of the front porch and enlarging the window to make a doorway from the hall. If desired, a third bedroom could be added at the end of the living room.

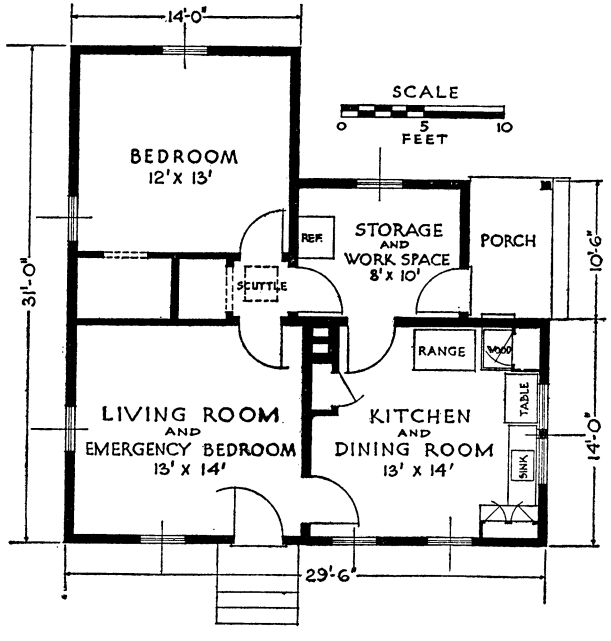




PLAN

DRAWING No.
710 – 6510





PLAN

4-ROOM FARMHOUSE

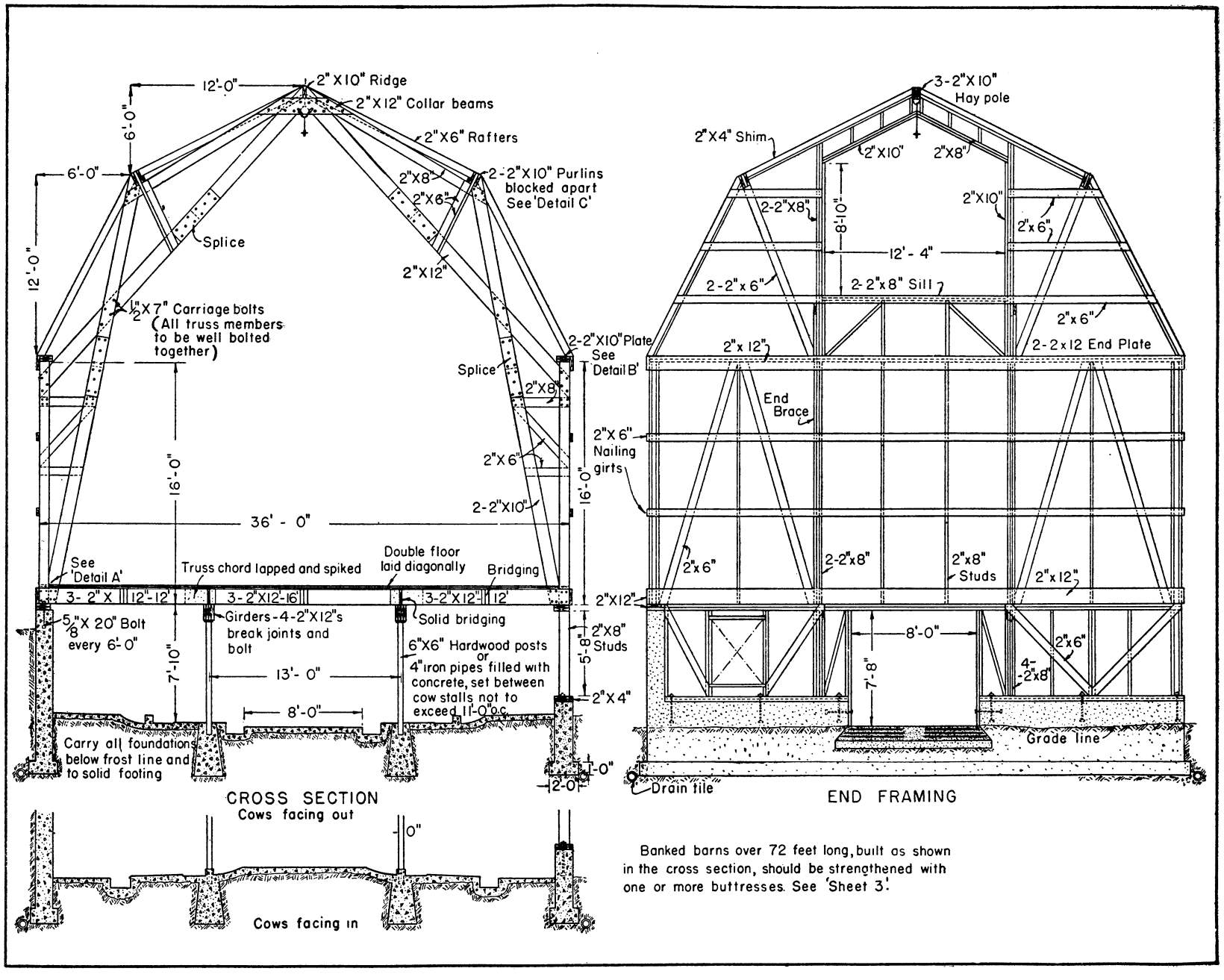
3 Sheets

FLOOR AREAS

Superstructure, 740 square feet; porches and steps, 60 square feet.

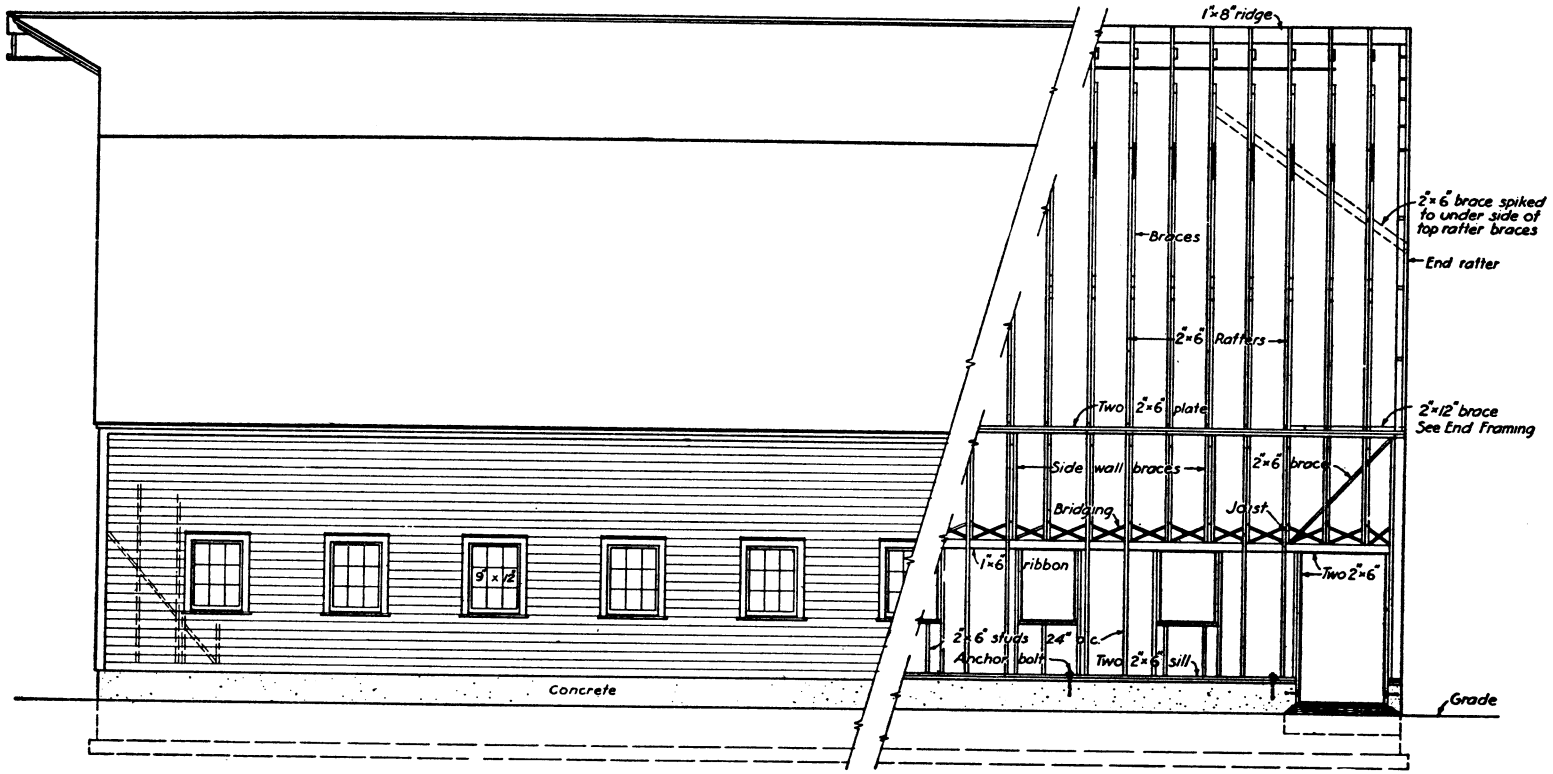
PLAN no. 6510 is a low-cost house for families that need only one bedroom. The kitchen is well-arranged and has good storage space. Closet space also is ample for a house of this size. A combined storage and workroom is a good feature which permits doing much housework indoors. The kitchen range and a stove or circulator heater should heat the house comfortably under ordinary conditions.

DRAWING No.
720-5097

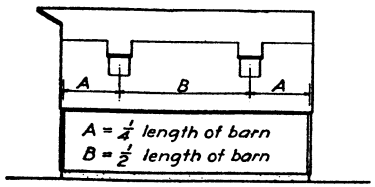


SHAWVER TRUSS DETAILS: 3 sheets; sheets 2 and 3 accompany.

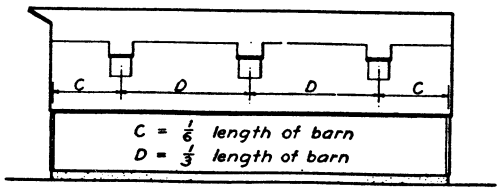
DRAWING No.
720-5098



TYPICAL SIDE ELEVATION SHOWING PART SIDE FRAMING
REFER TO FLOOR PLAN FOR DOOR AND WINDOW LOCATIONS



BARN WITH TWO DORMERS

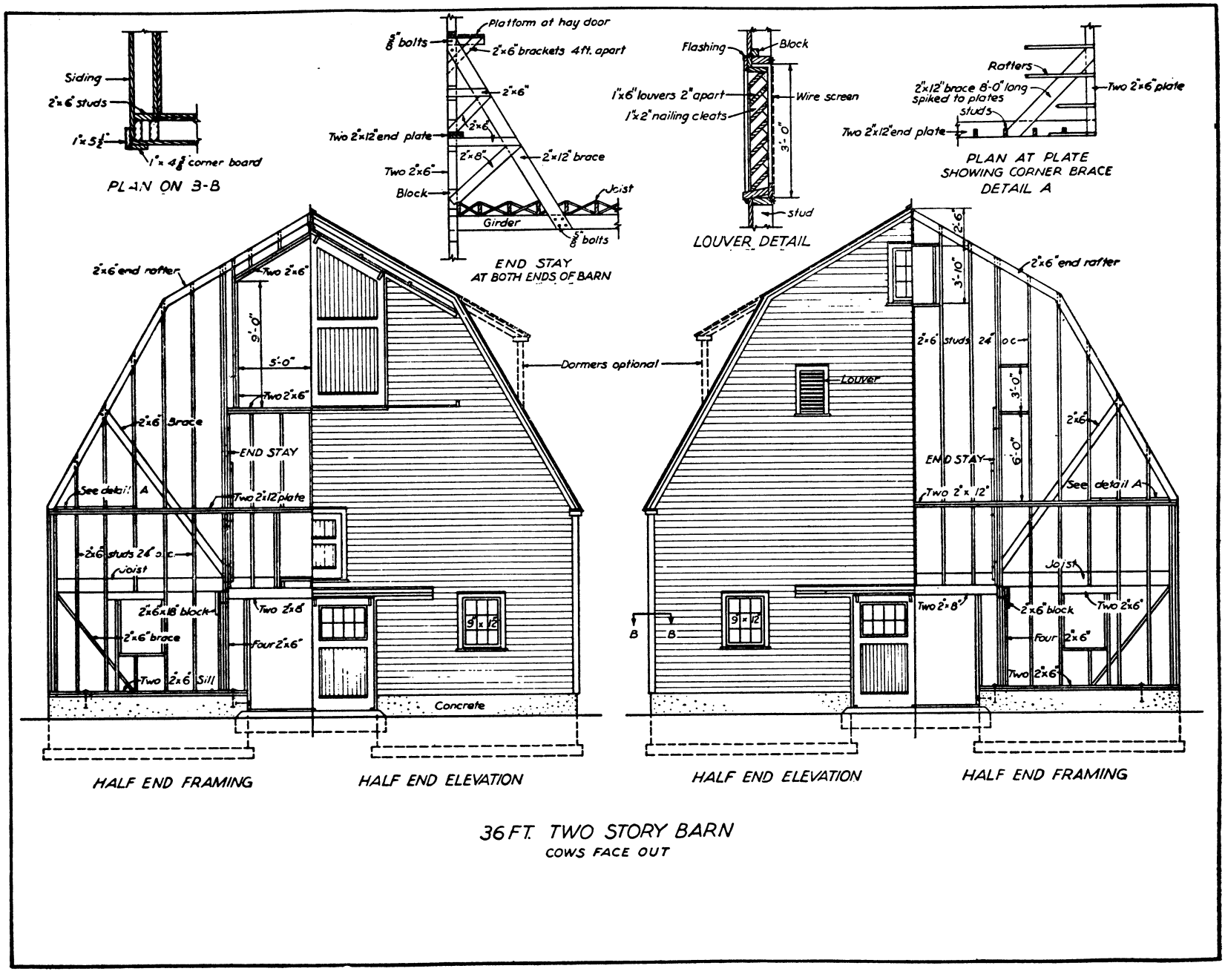


BARN WITH THREE DORMERS

DIAGRAMS SHOWING DORMER SPACING

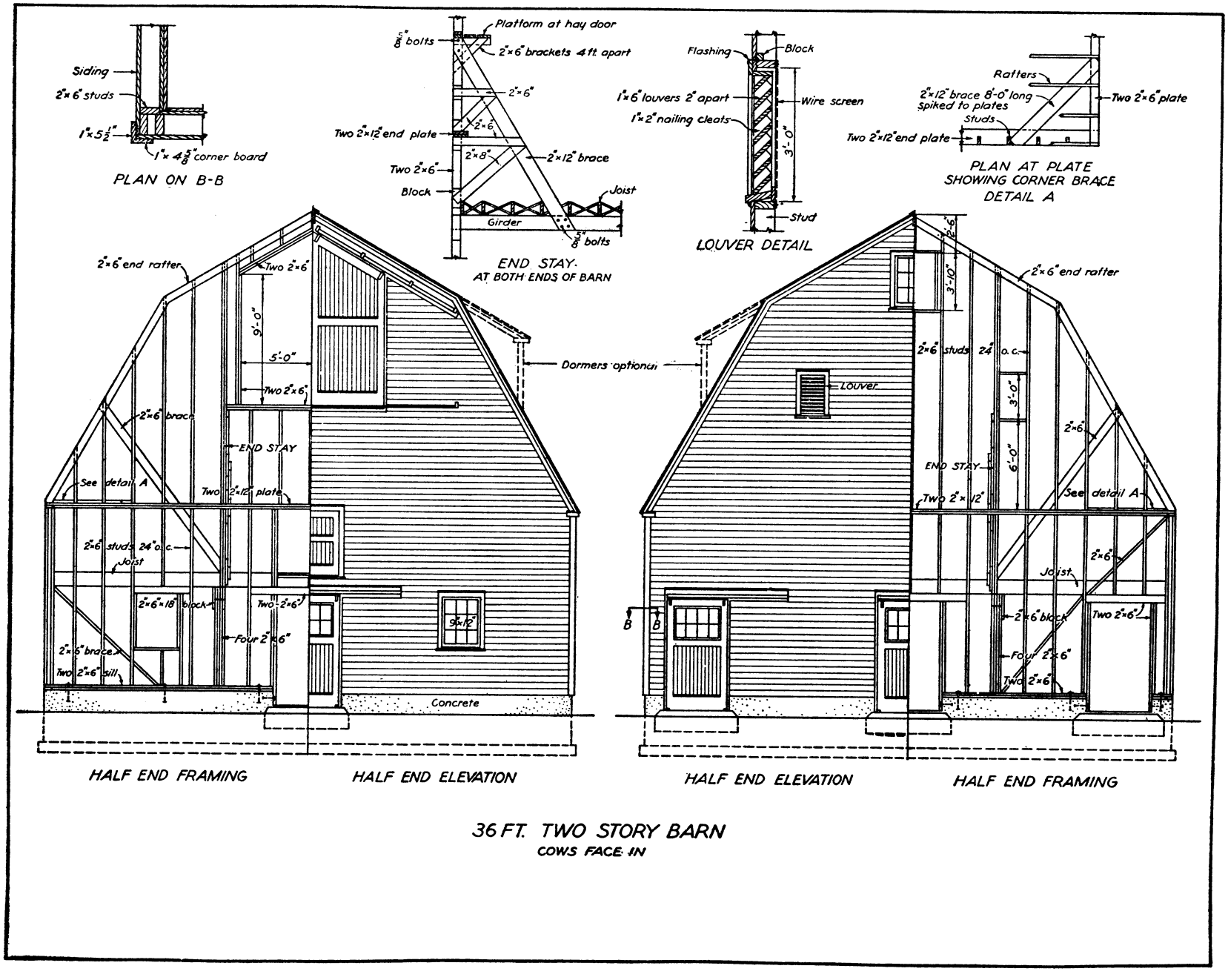
SIDE FRAMING DETAILS: braced rafters; 1 sheet.

DRAWING No.
720–5099



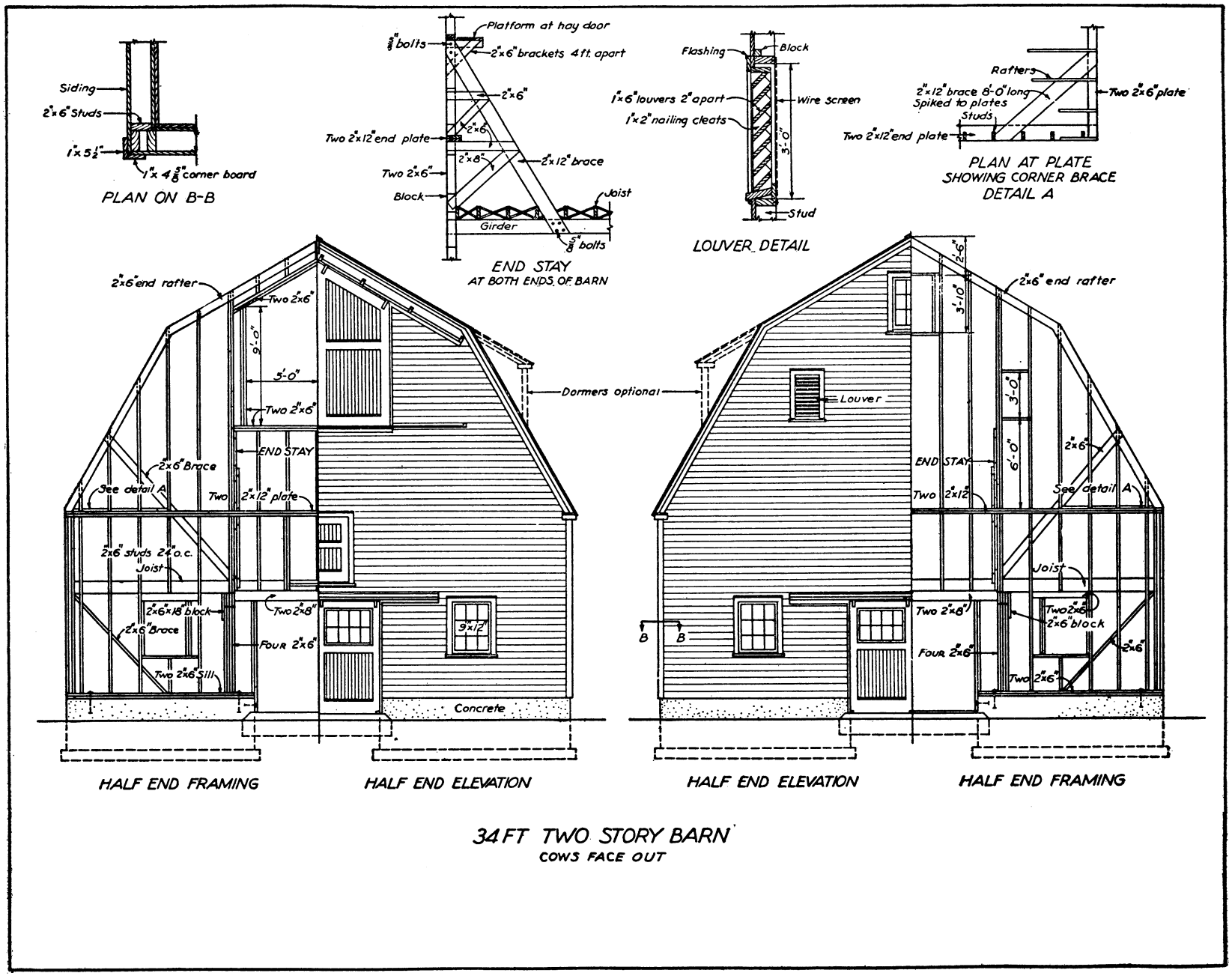
END FRAMING DETAILS: 36 feet; stalls face out; braced rafters; 1 sheet.

DRAWING No.
720 – 5100



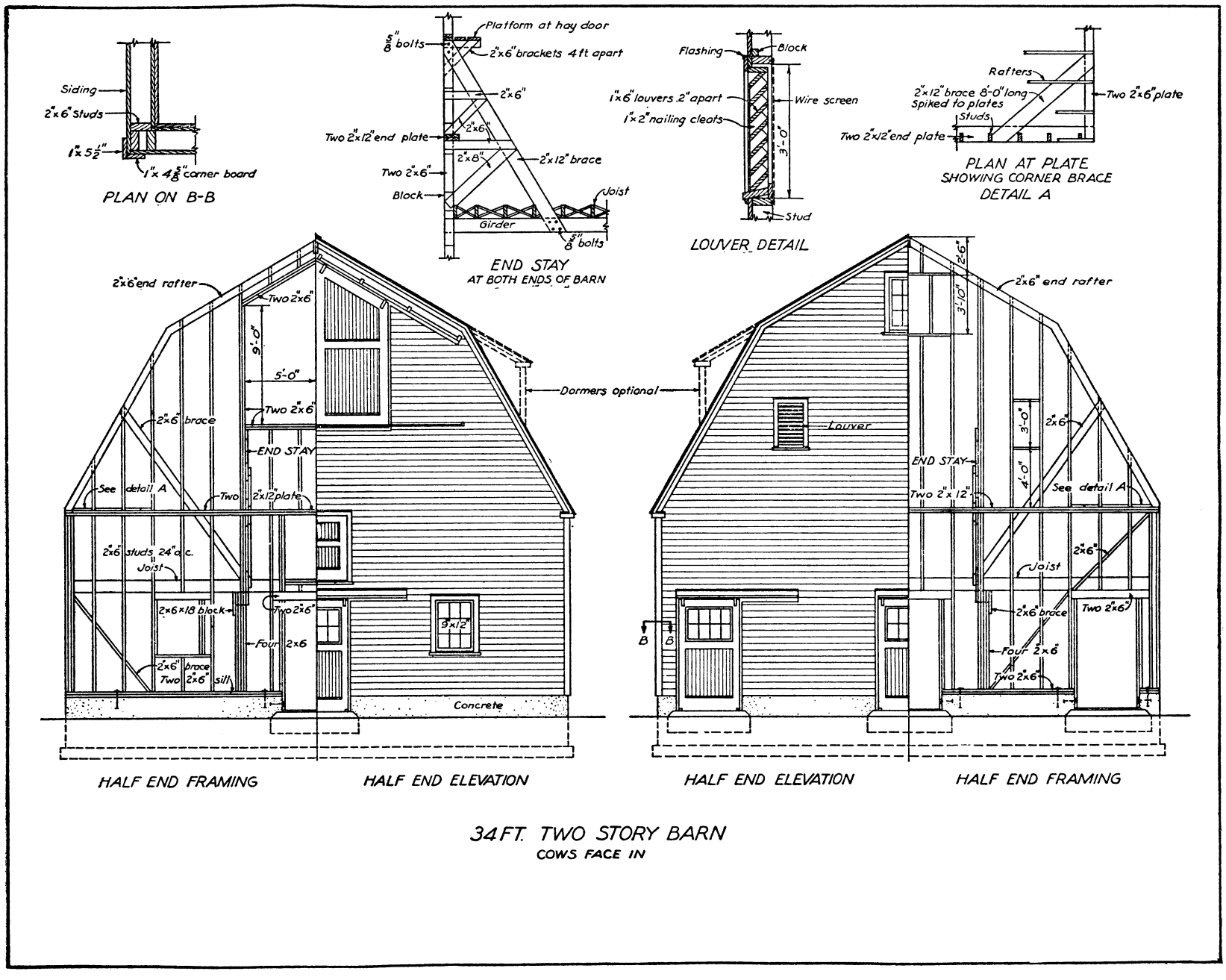
END FRAMING DETAILS: 36 feet; stalls face in; braced rafters; 1 sheet.

DRAWING No.
720 – 5101



END FRAMING DETAILS: 34 feet; stalls face out; braced rafters; 1 sheet.

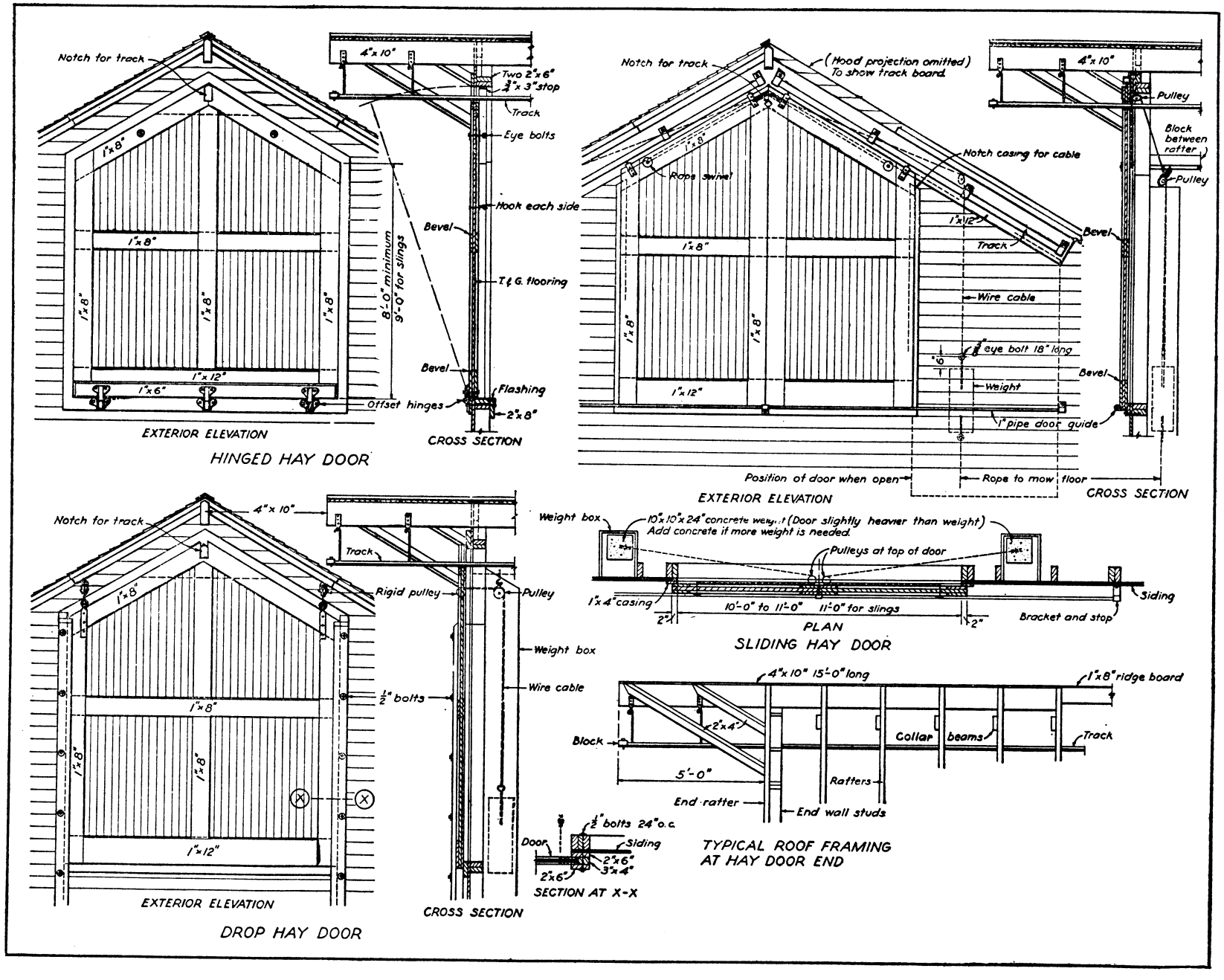
DRAWING No.
720 – 5102



34 FT. TWO STORY BARN
COWS FACE IN

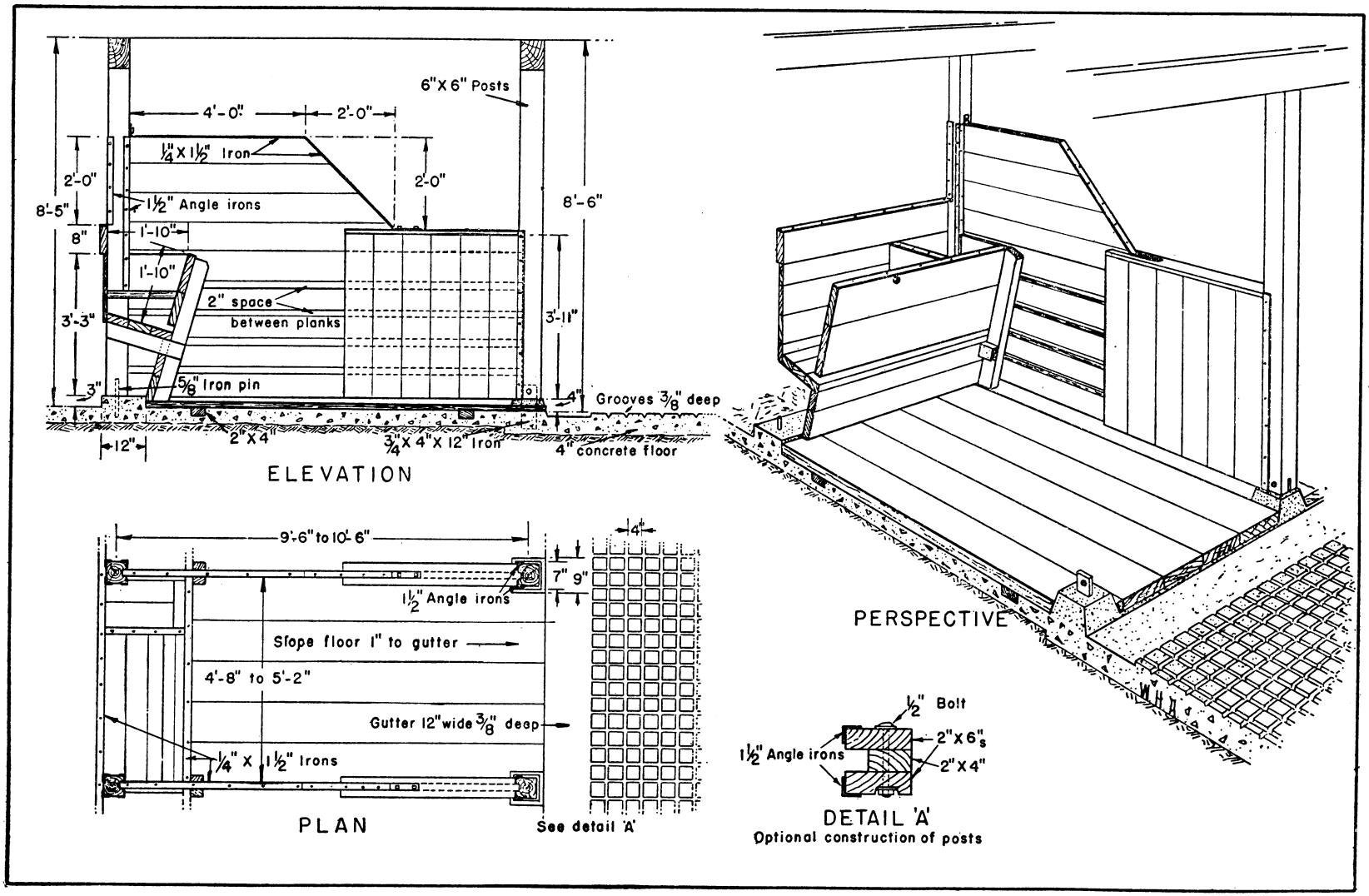
END FRAMING DETAILS: 34 feet; stalls face in; braced rafters; 1 sheet.

DRAWING No.
720-5103



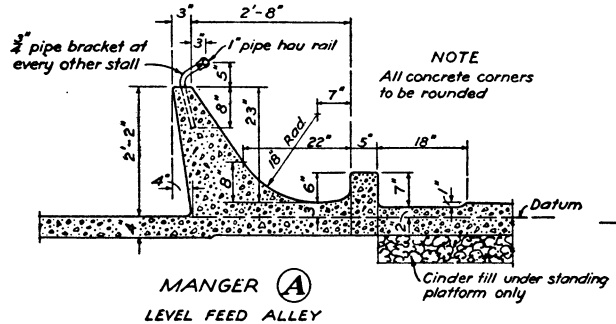
HAY-DOOR DETAILS: 1 sheet.

DRAWING No.
720-5104

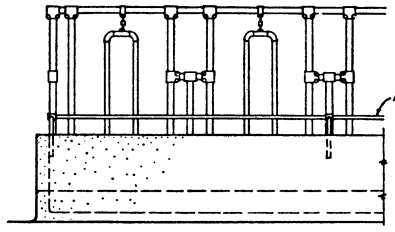


HORSE-STALL DETAILS (New York) 1 sheet.

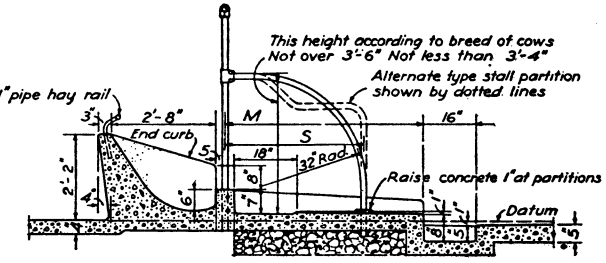
DRAWING No.
720-5105



MANGER (A)
LEVEL FEED ALLEY

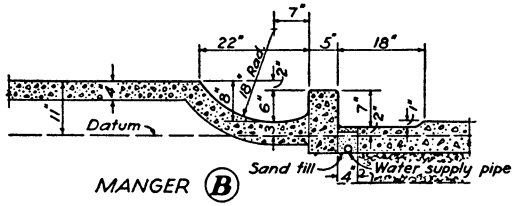


FRONT ELEVATION



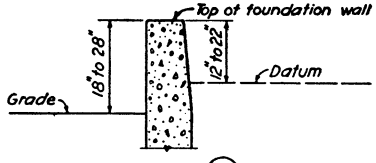
SECTION THROUGH COW STALL FLOOR

If manger divisions are to be used, manger curve should be formed with templet furnished by manufacturer



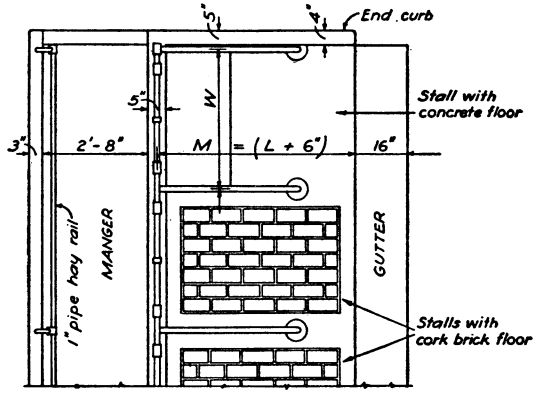
MANGER (B)
RAISED FEED ALLEY

NOTE
ESTABLISH DATUM BELOW TOP OF FOUNDATION WALL
SEE DETAIL (N) BELOW



DETAIL (N)

All concrete floors one course 1:2:3 concrete
Curbs Mangers and Gutters trowel finish.
Floors wood float finish.



PLAN

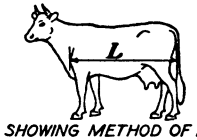
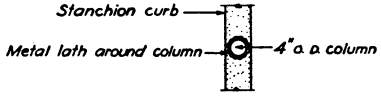
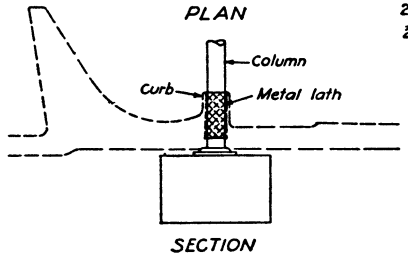


DIAGRAM SHOWING METHOD OF MEASURING COWS TO DETERMINE LENGTH OF PLATFORM

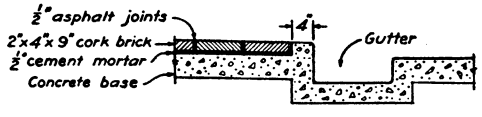


PLAN



SECTION

DETAIL SHOWING METHOD OF REINFORCING WHEN PIPE COLUMN IS LOCATED AT CURB



STALL FLOOR DETAIL
WHERE CORK BRICK IS USED

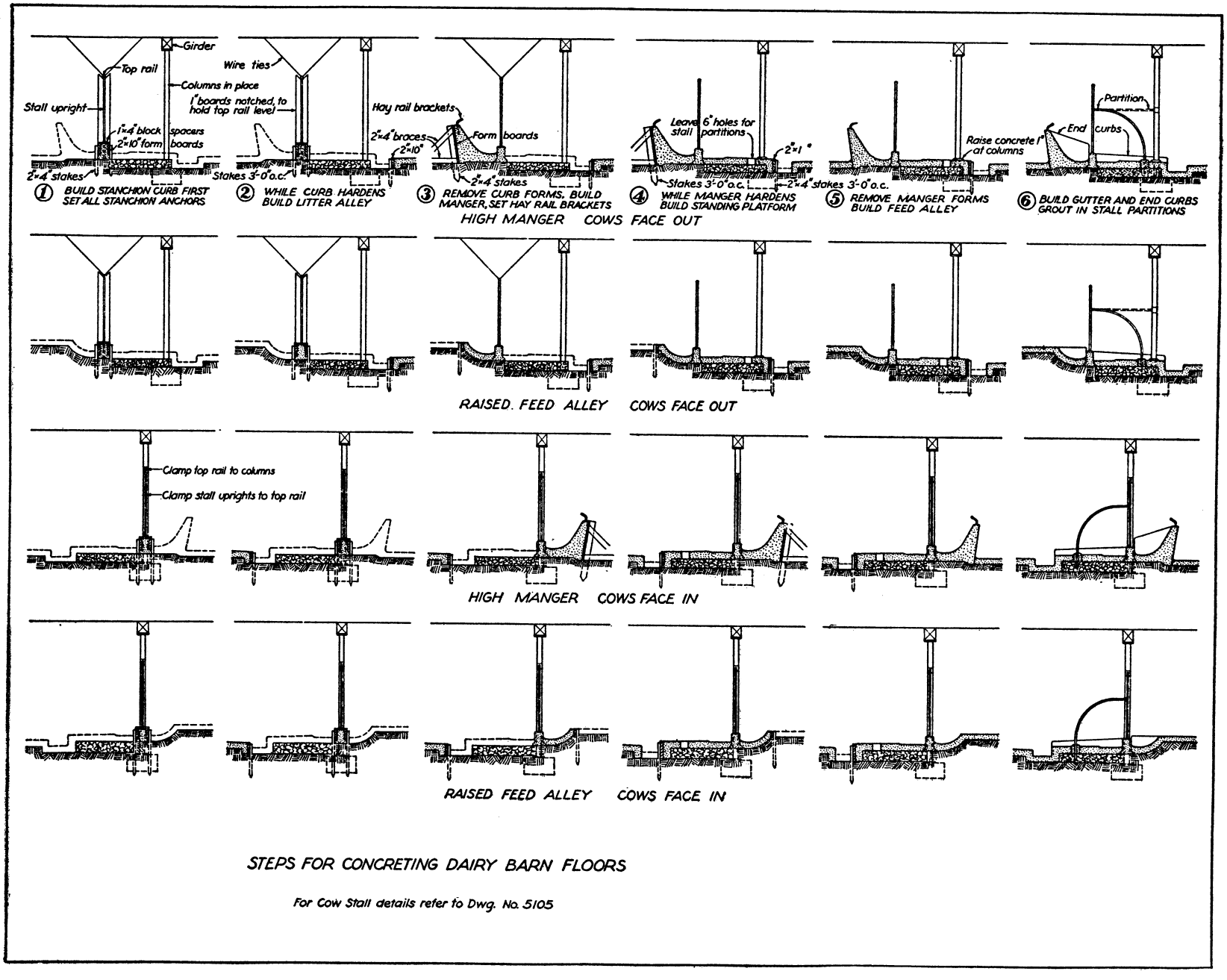
USUAL DIMENSIONS FOR COW STALLS

BREED	✱ WIDTH - W	LENGTH M = L + 6"		
		SMALL	MEDIUM	LARGE
Holstein	3'-6" to 4'-0"	4'-10"	5'-2"	5'-8"
Shorthorn	3'-6" to 4'-0"	4'-8"	5'-0"	5'-6"
Ayrshire	3'-6" to 3'-8"	4'-6"	4'-10"	5'-4"
Guernsey	3'-4" to 3'-8"	4'-6"	4'-10"	5'-2"
Jersey	3'-4" to 3'-6"	4'-4"	4'-8"	5'-0"
Heifers	2'-9" to 3'-2"	3'-8"	3'-10"	4'-2"
Length of partitions S	3'-6" for cows		3'-2" for heifers	

✱ No stall less than 3'-4" wide should be used for cows in milk

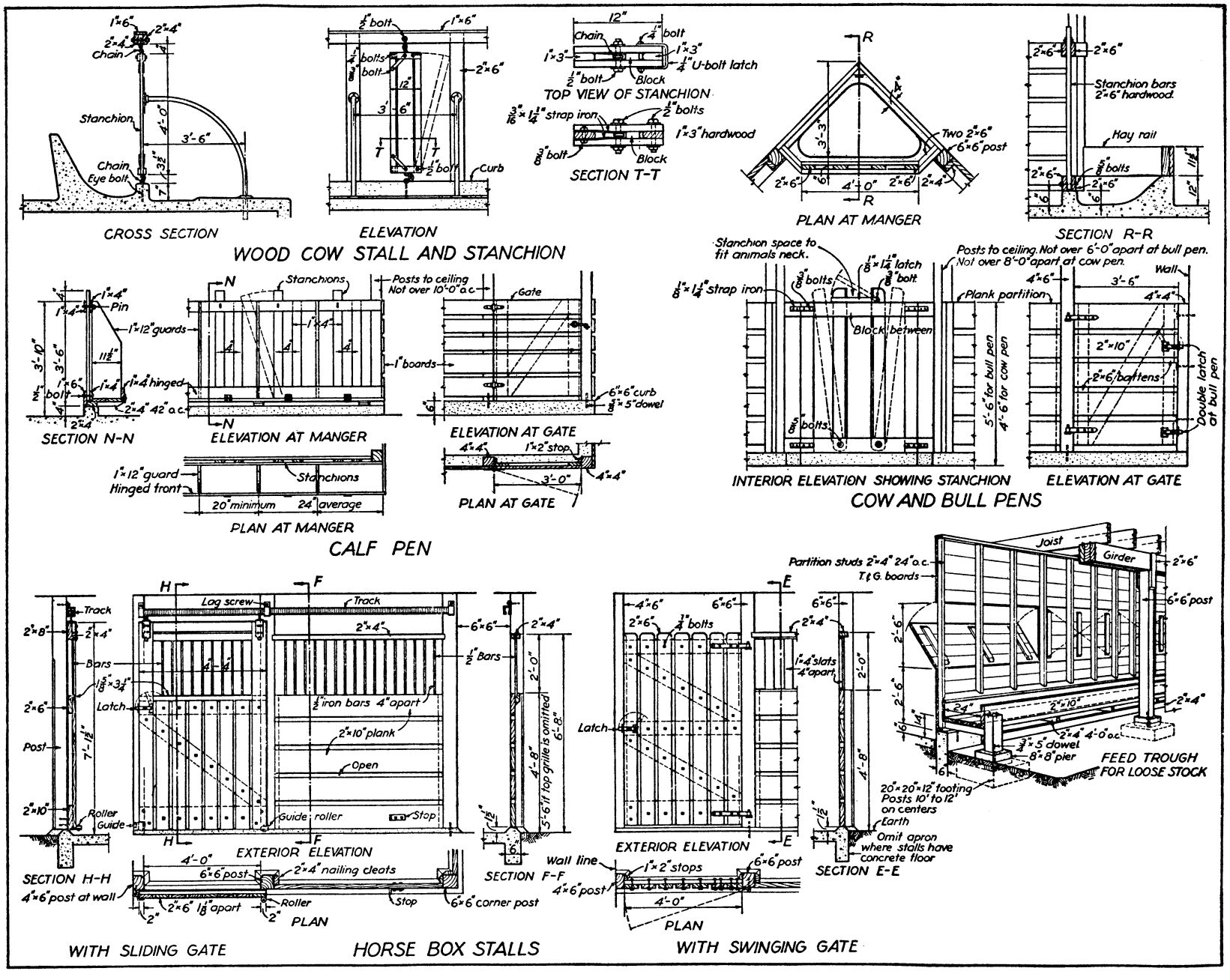
COW-STALL DETAILS: 1 sheet.

DRAWING No.
720-5106



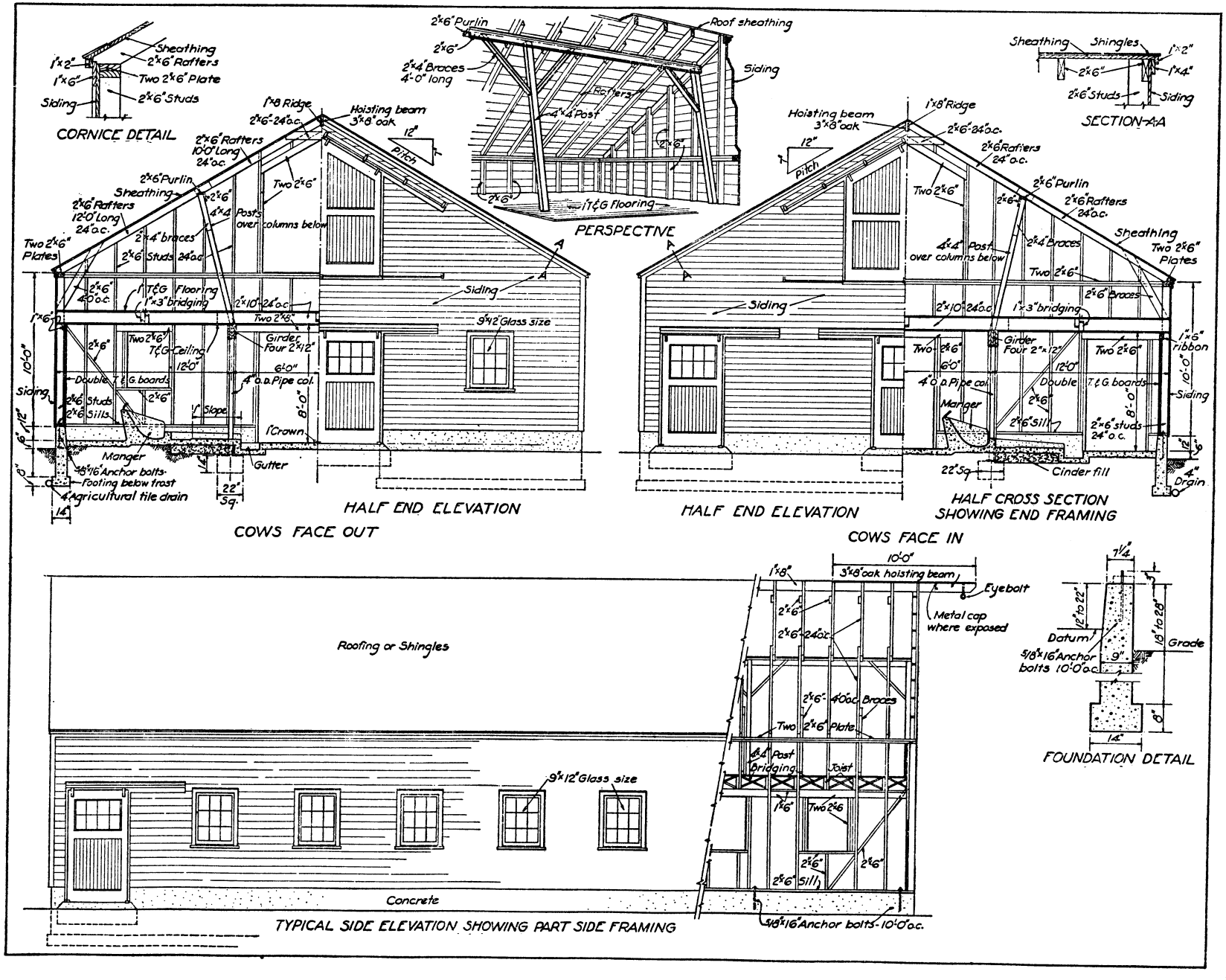
STEPS IN CONCRETING COW STALLS: 1 sheet.

DRAWING No.
720-5107



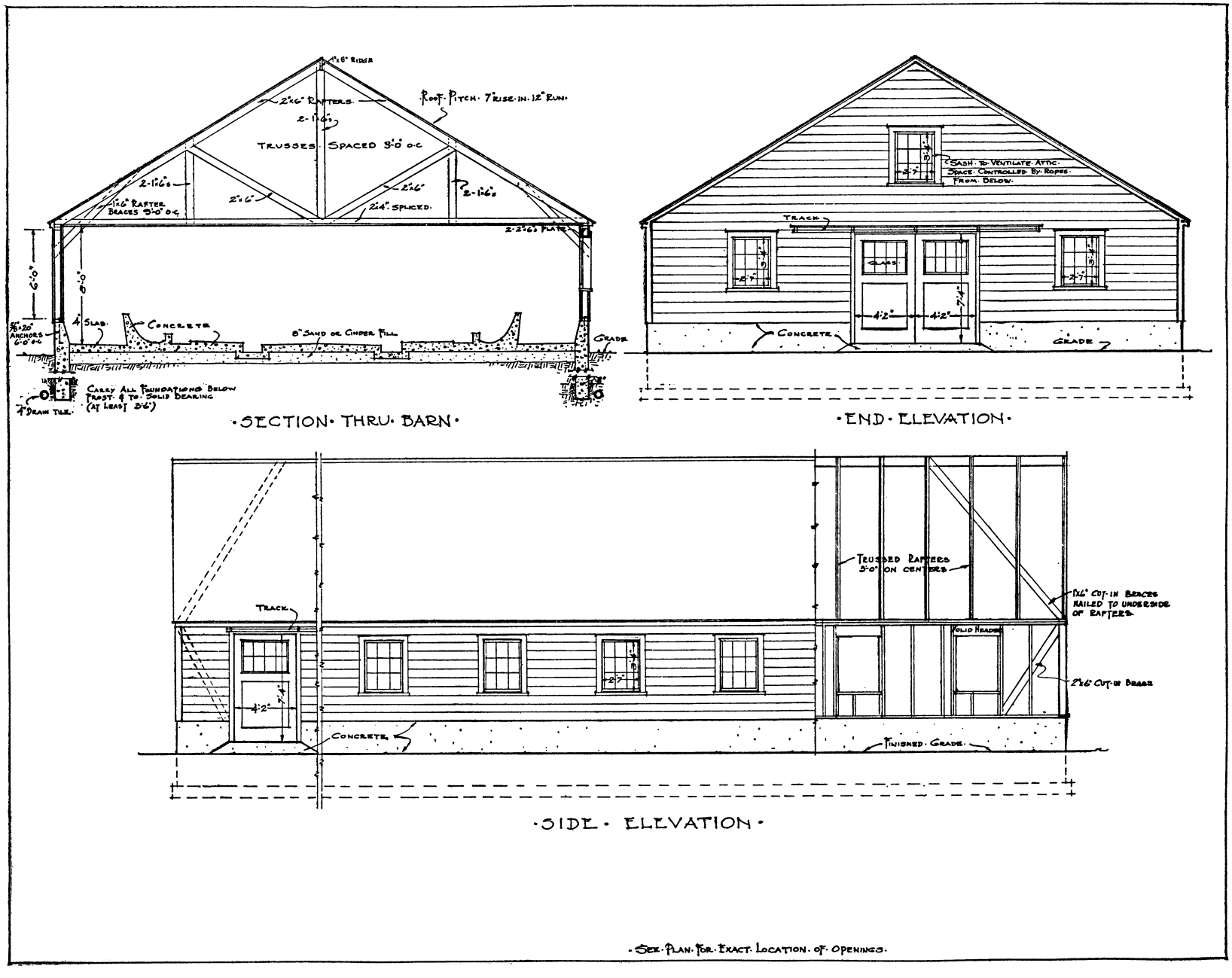
DETAILS—HORSE, COW, AND CALF PENS: 1 sheet.

DRAWING No.
720-5119



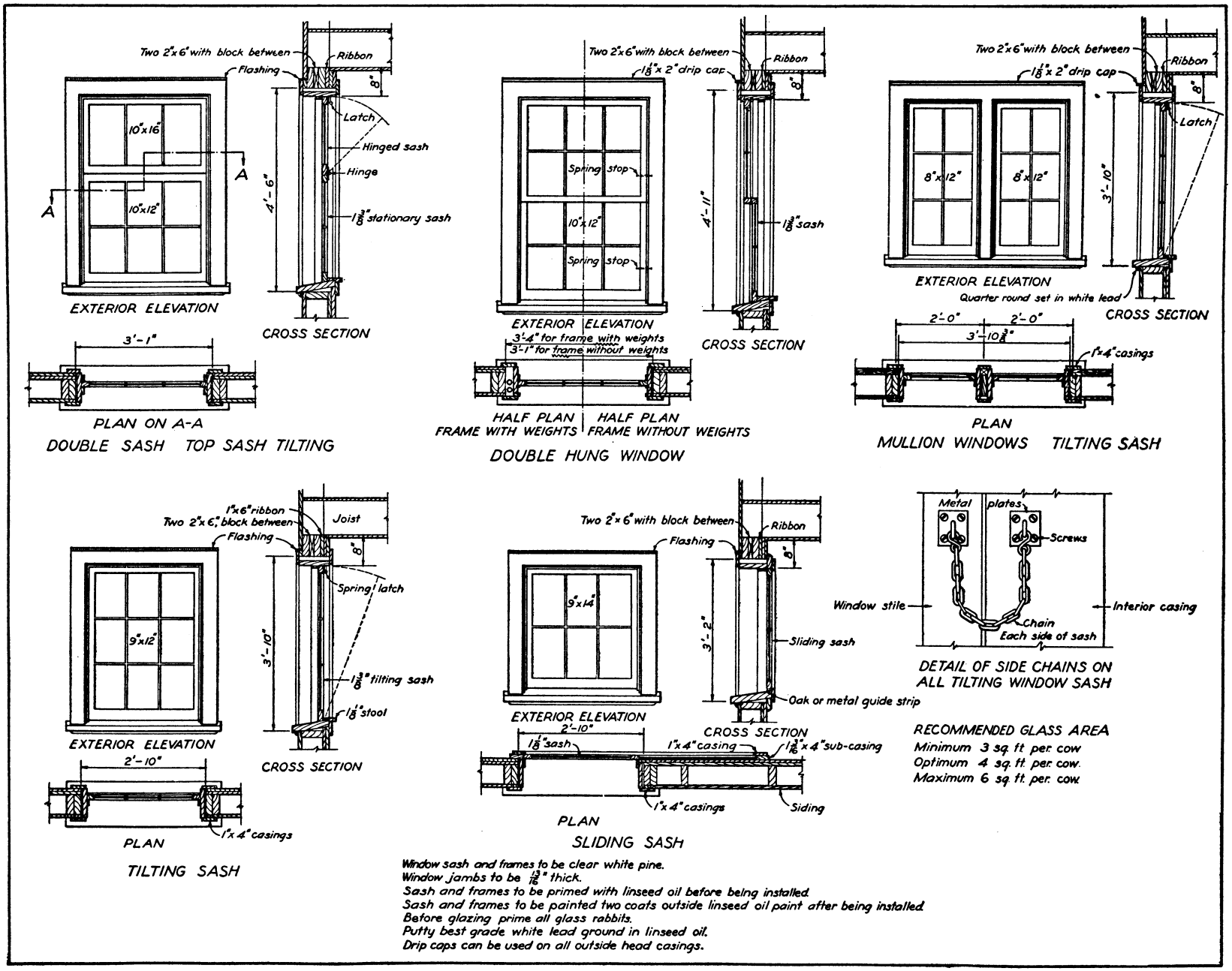
GABLE-ROOF FRAMING DETAILS: 1½ stories; stalls face in or out; 1 sheet.

DRAWING No.
720–5120



GABLE-ROOF FRAMING DETAILS: 1 story; 36 feet; stalls face out; 1 sheet.

DRAWING No.
720-5170

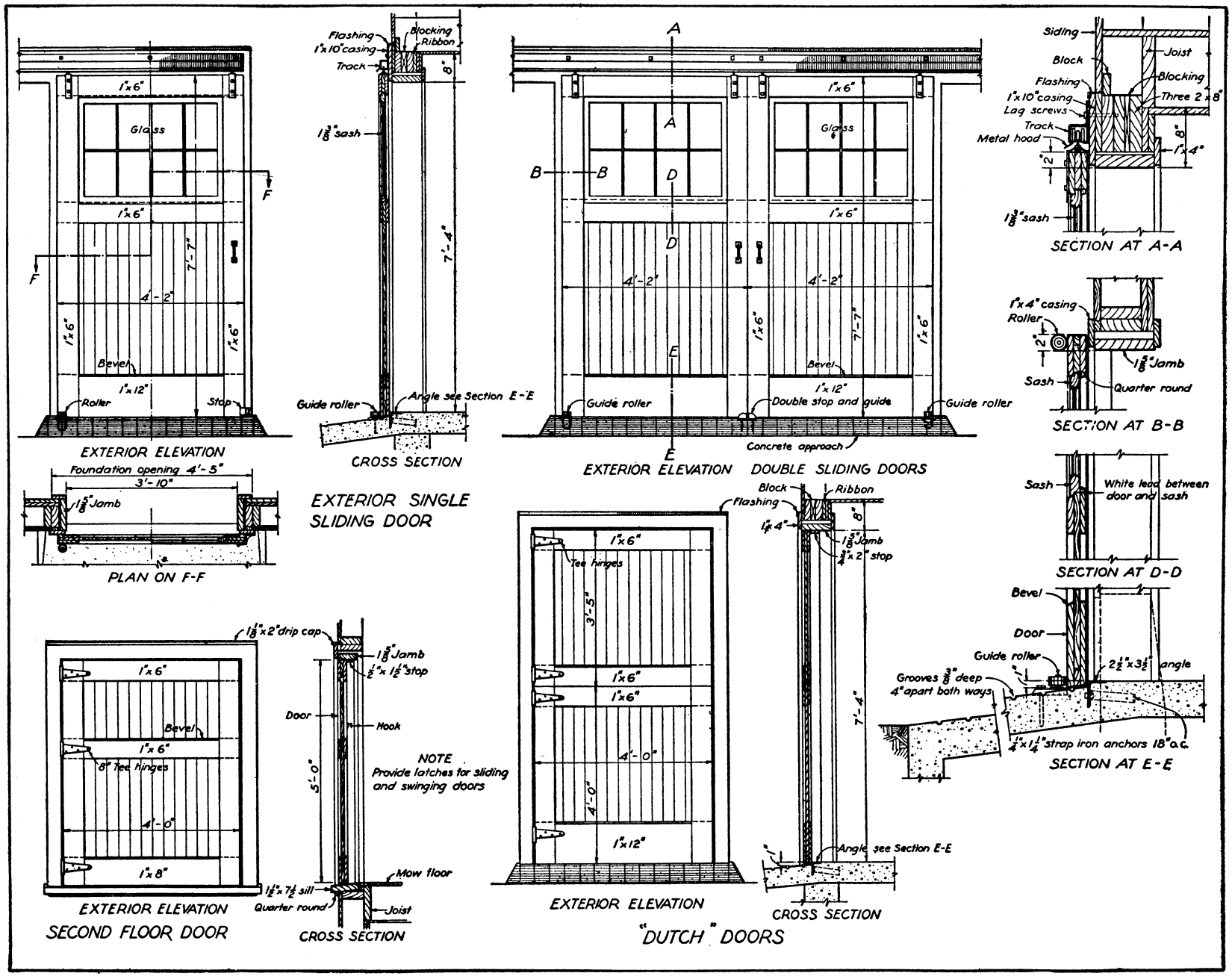


Window sash and frames to be clear white pine.
Window jambs to be 13/16" thick.
Sash and frames to be primed with linseed oil before being installed.
Sash and frames to be painted two coats outside linseed oil paint after being installed.
Before glazing prime all glass rabbits.
Putty best grade white lead ground in linseed oil.
Drip caps can be used on all outside head casings.

BARN-WINDOW DETAILS: 1 sheet.

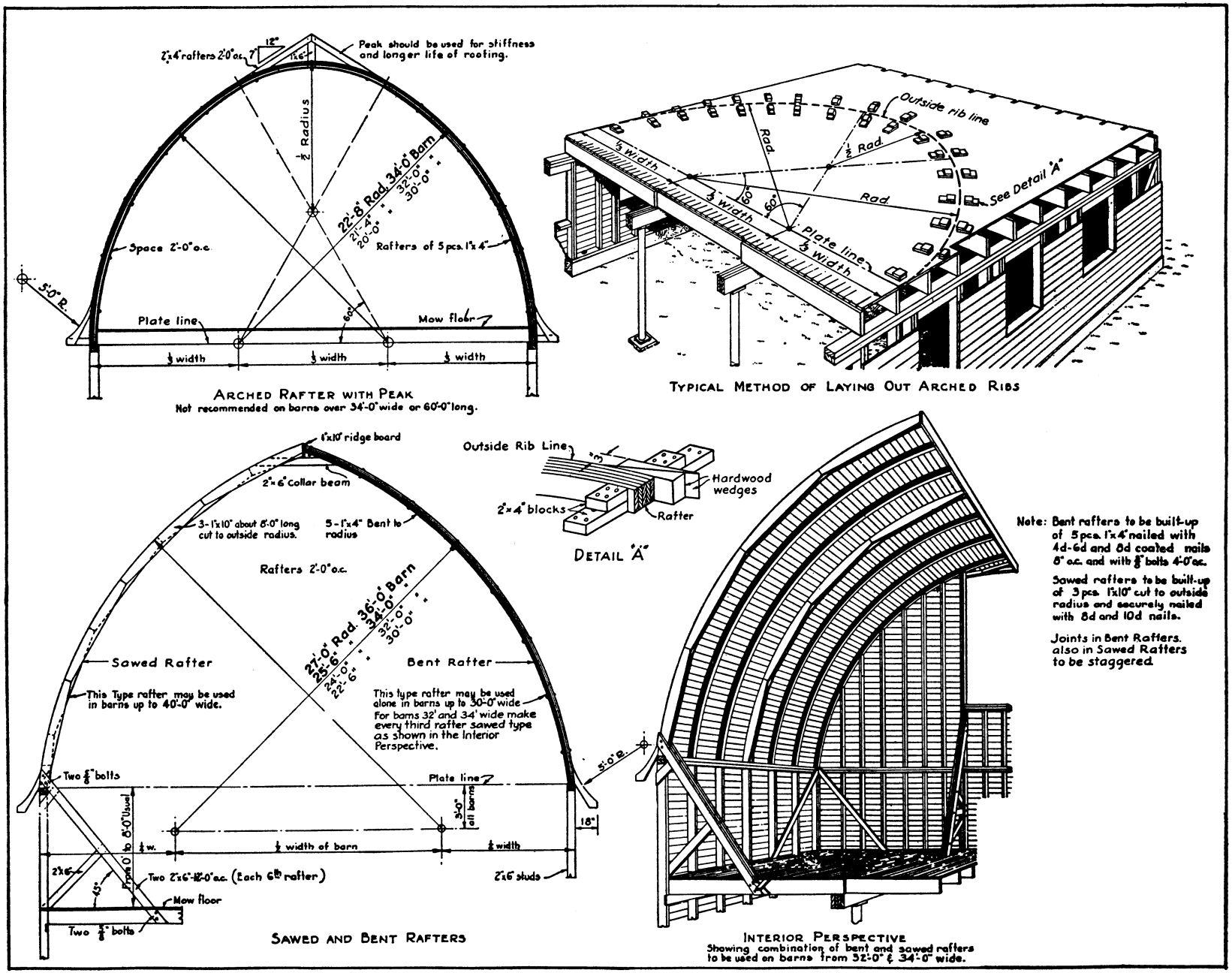
141944°—37——3

DRAWING No.
720 – 5171



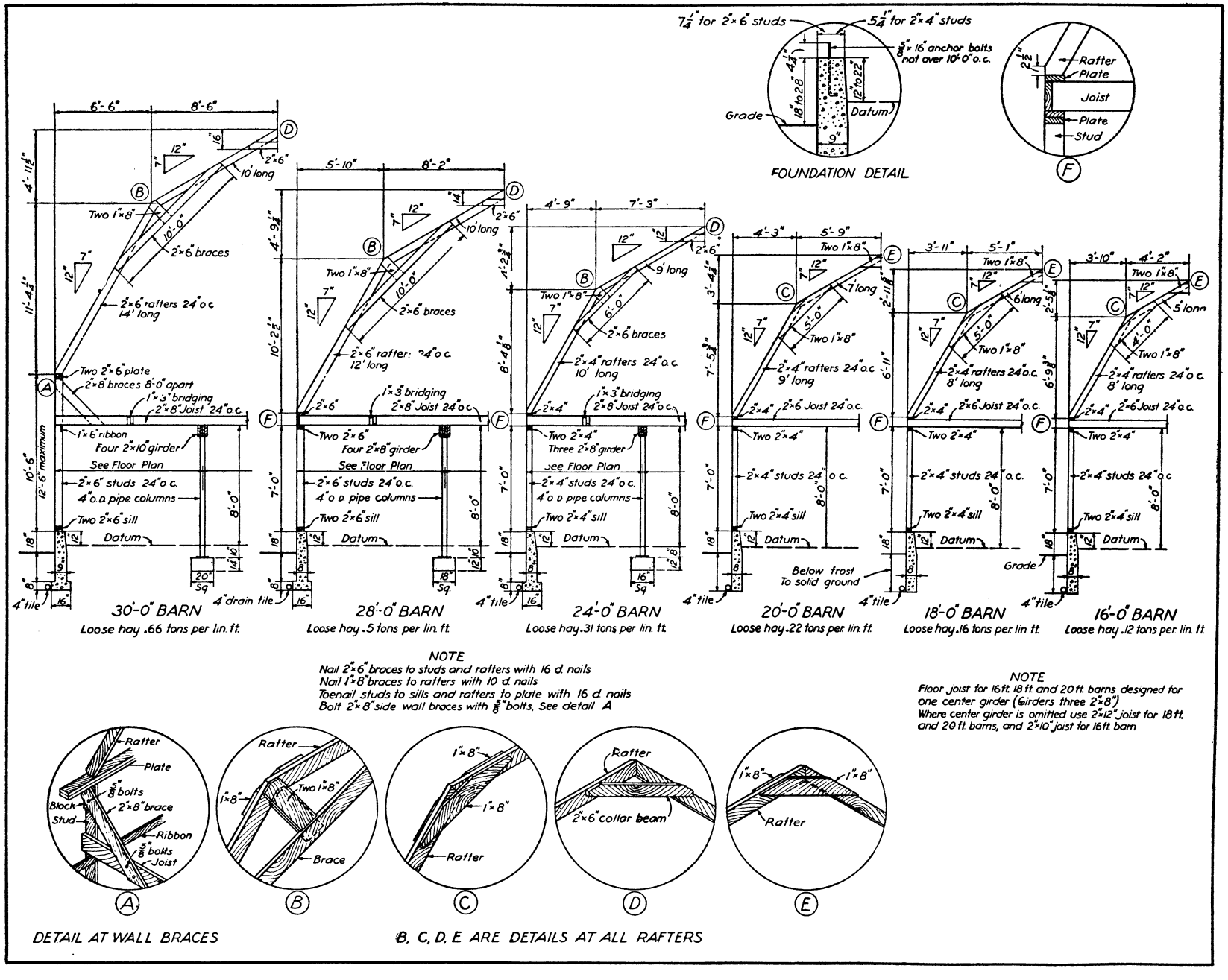
BARN-DOOR DETAILS: 1 sheet.

DRAWING No.
720-5172



GOTHIC-ROOF FRAMING DETAILS: 1 sheet.

DRAWING No.
720-5173

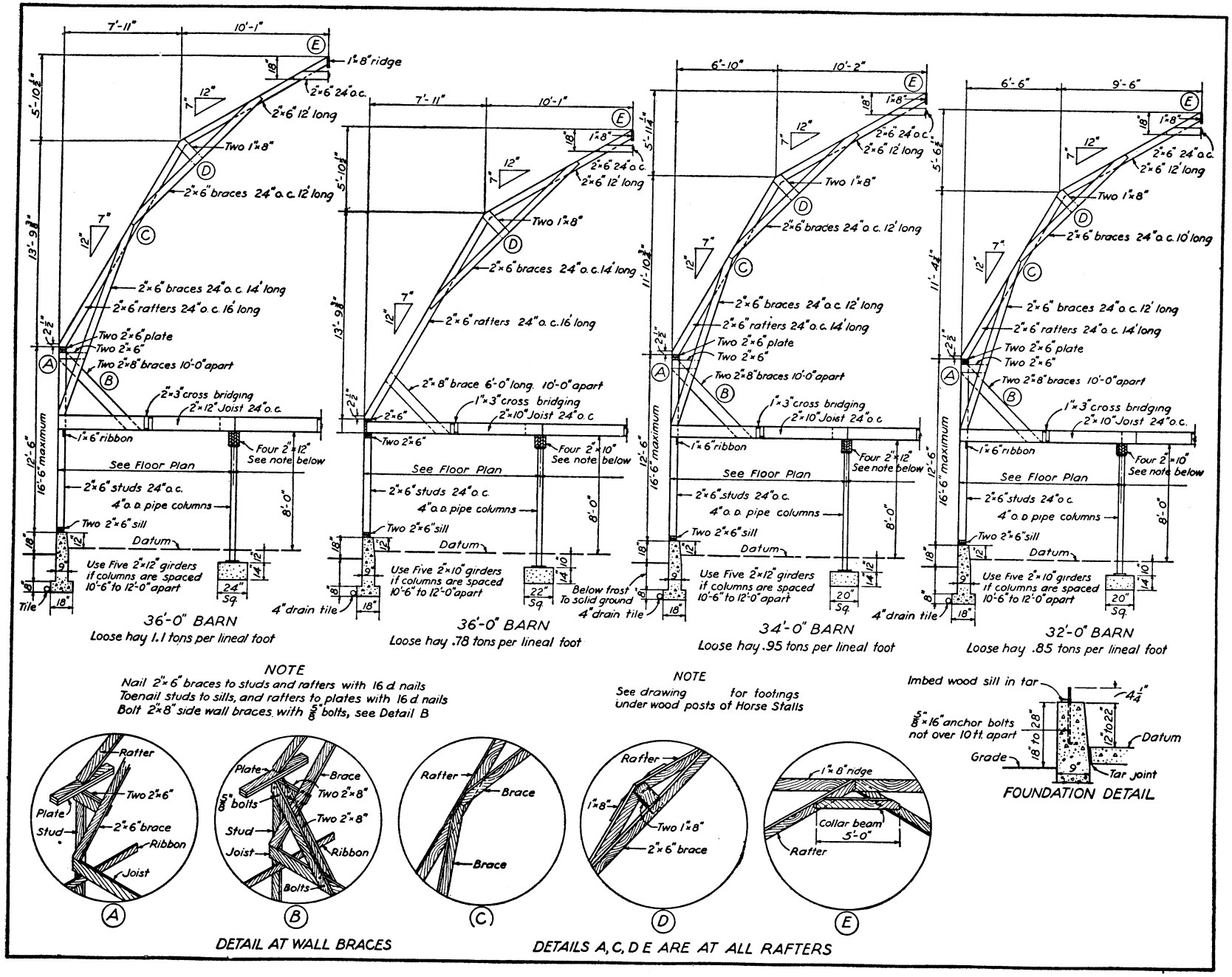


NOTE
Nail 2"×6" braces to studs and rafters with 16 d. nails
Nail 1"×8" braces to rafters with 10 d. nails
Toenail studs to sills and rafters to plate with 16 d. nails
Bolt 2"×8" side wall braces with $\frac{5}{8}$" bolts, See detail A

NOTE
Floor joist for 16 ft. 18 ft. and 20 ft. barns designed for one center girder (Girders three 2"×8")
Where center girder is omitted use 2"×12" joist for 18 ft. and 20 ft. barns, and 2"×10" joist for 16 ft. barn

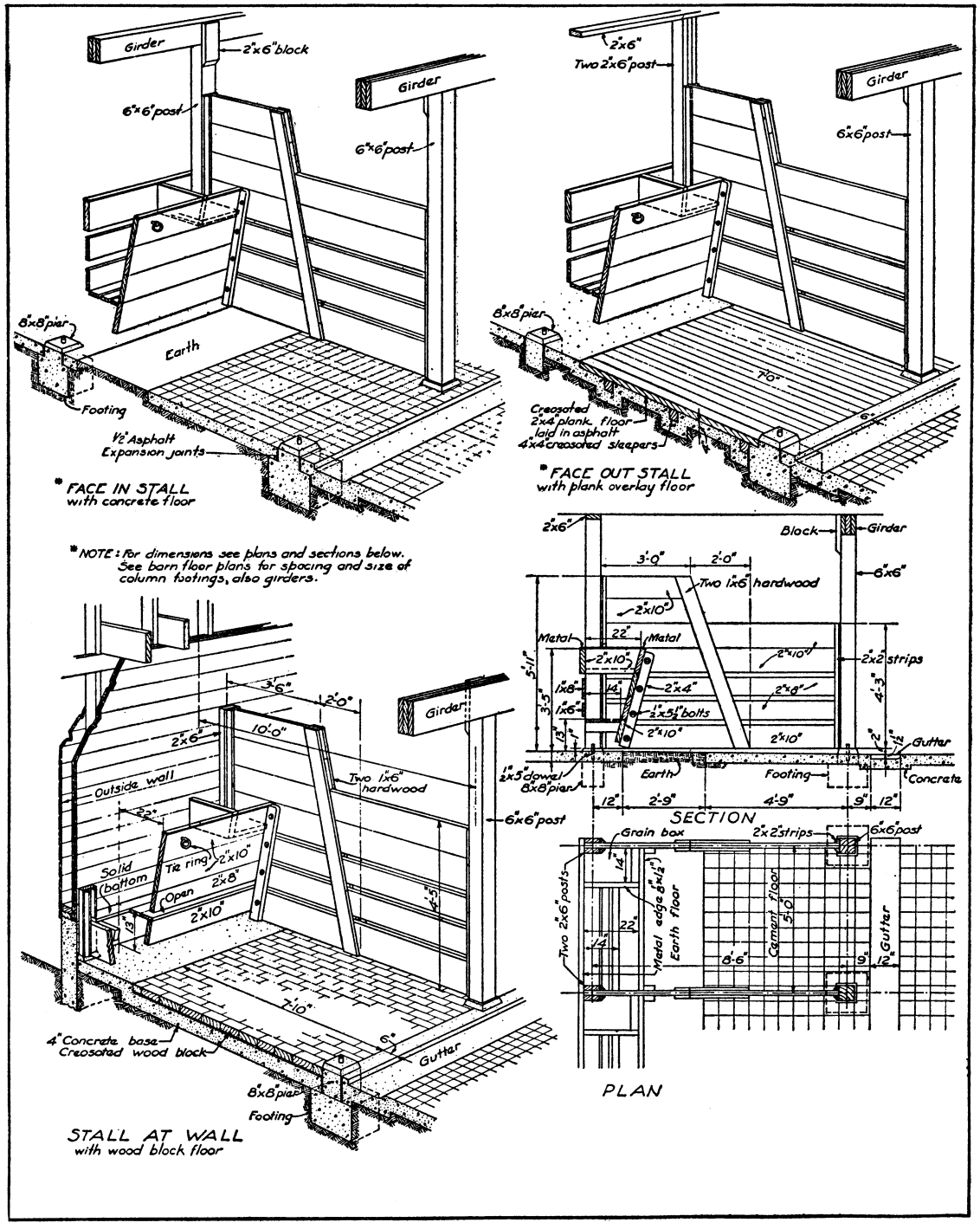
BRACED-RAFTER DETAILS: 16 to 30 feet; 1 sheet.

DRAWING No.
720-5174



BRACED-RAFTER DETAILS: 32 to 36 feet; 1 sheet.

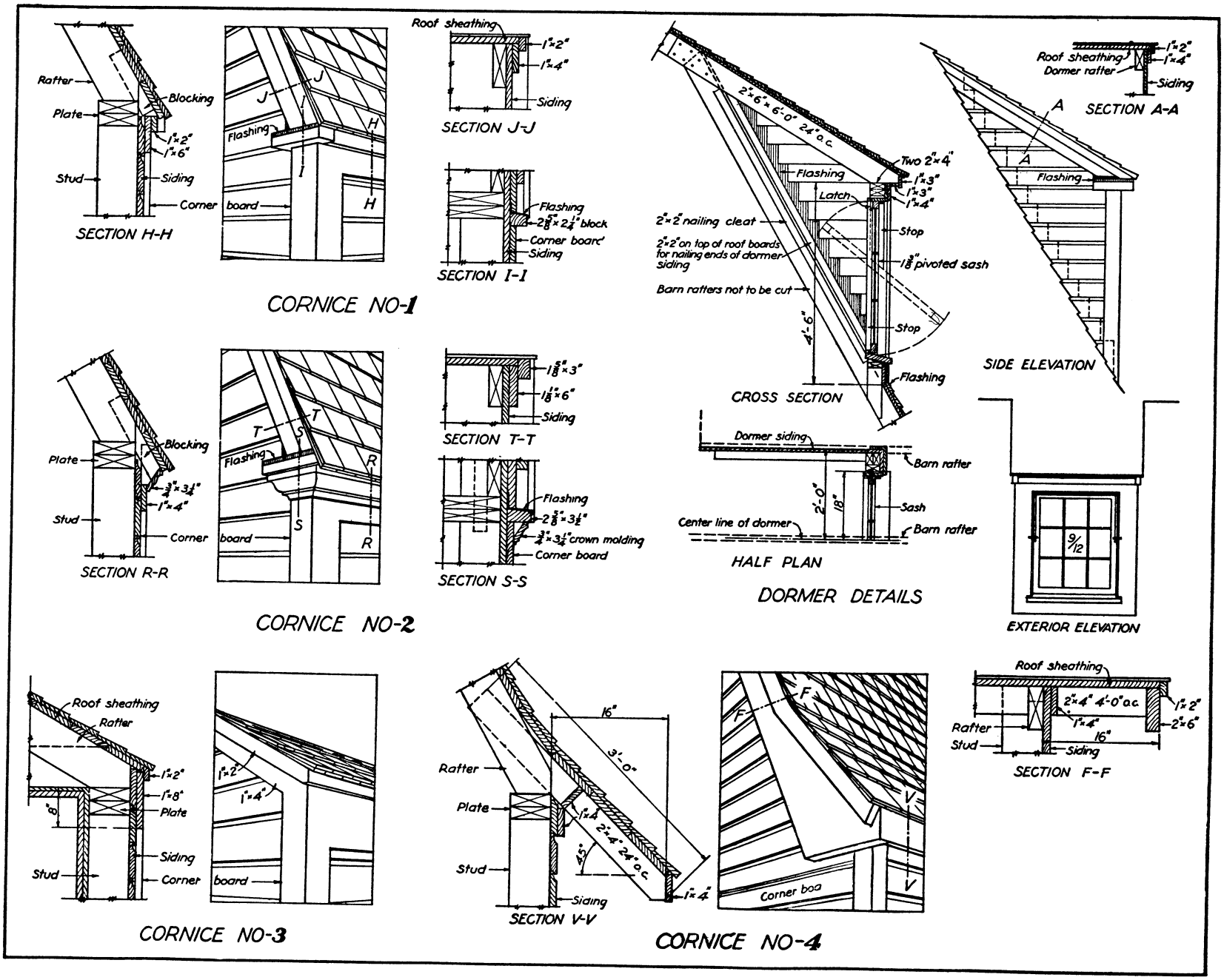
DRAWING No.
720-5175



HORSE-STALL DETAILS

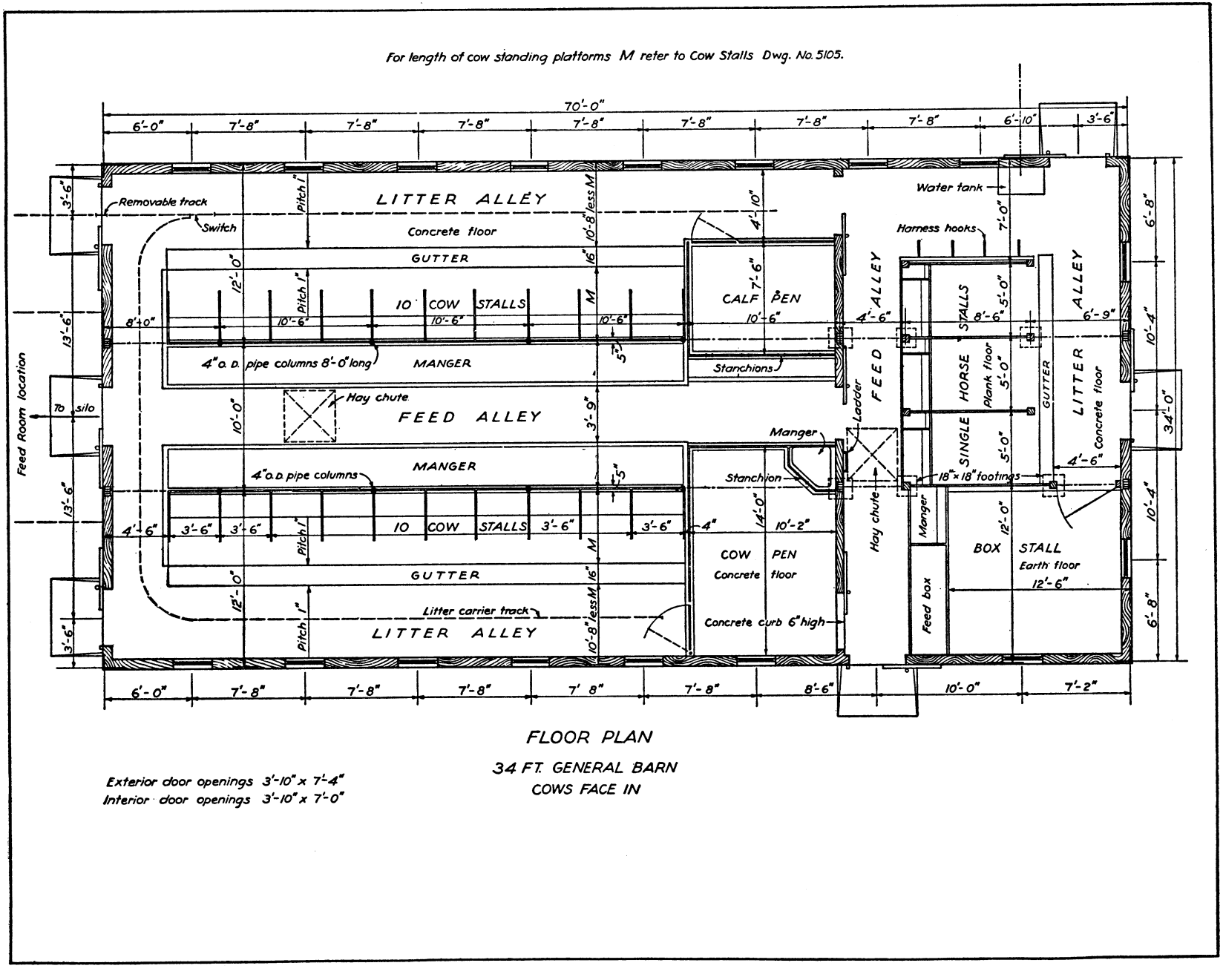
(U. S. Department of Agriculture); 1 sheet.

DRAWING No.
720 – 5199



BARN-EAVES DETAILS: 1 sheet.

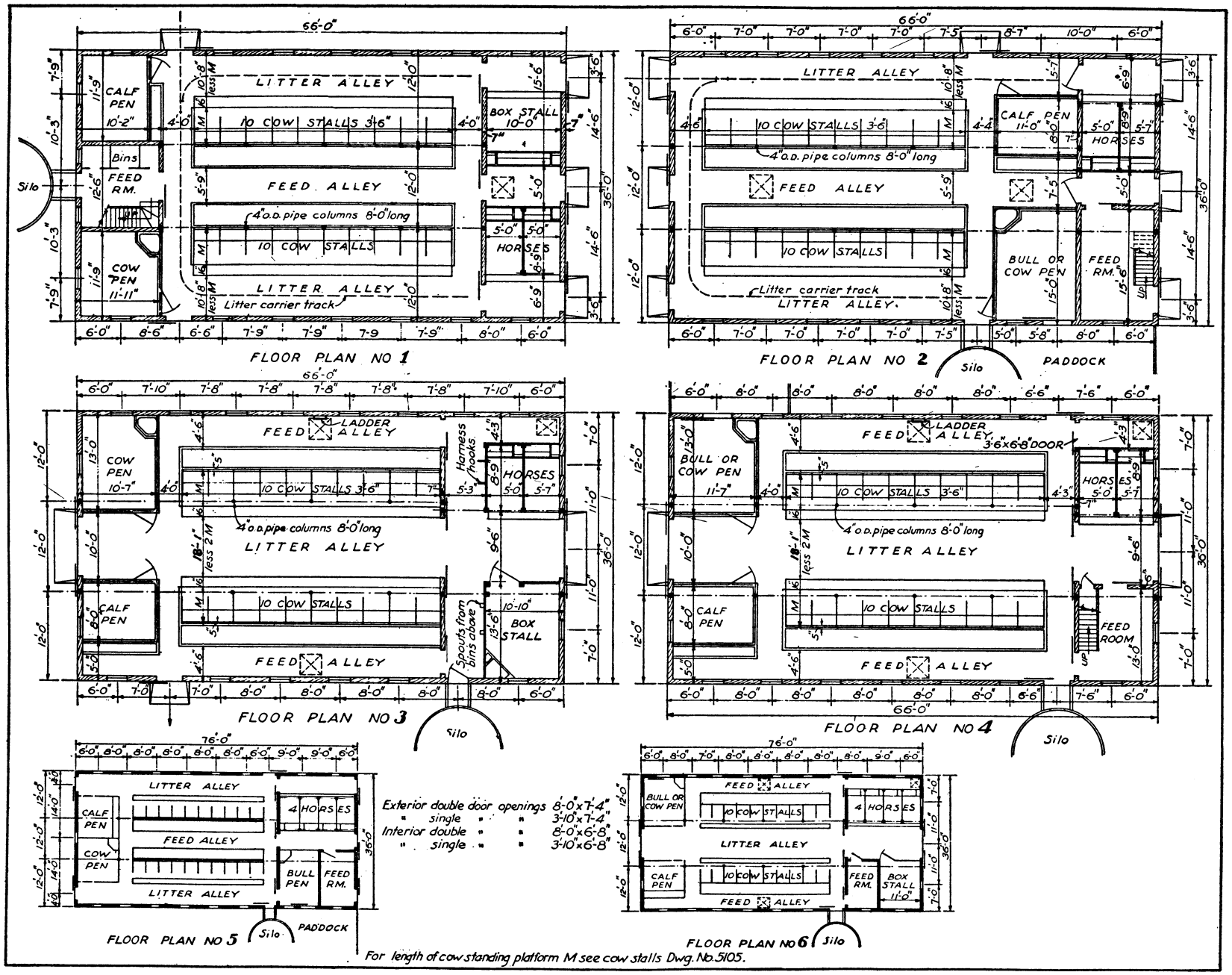
DRAWING No.
721 – 5108



The following detail sheets are required with this plan: 5174, 5098, 5199, 5102, 5103, 5171, 5170, 5105, 5106, 5107, and 5175 or 5104.

GENERAL BARN PLAN; 34 feet; stalls face in; 12 sheets.

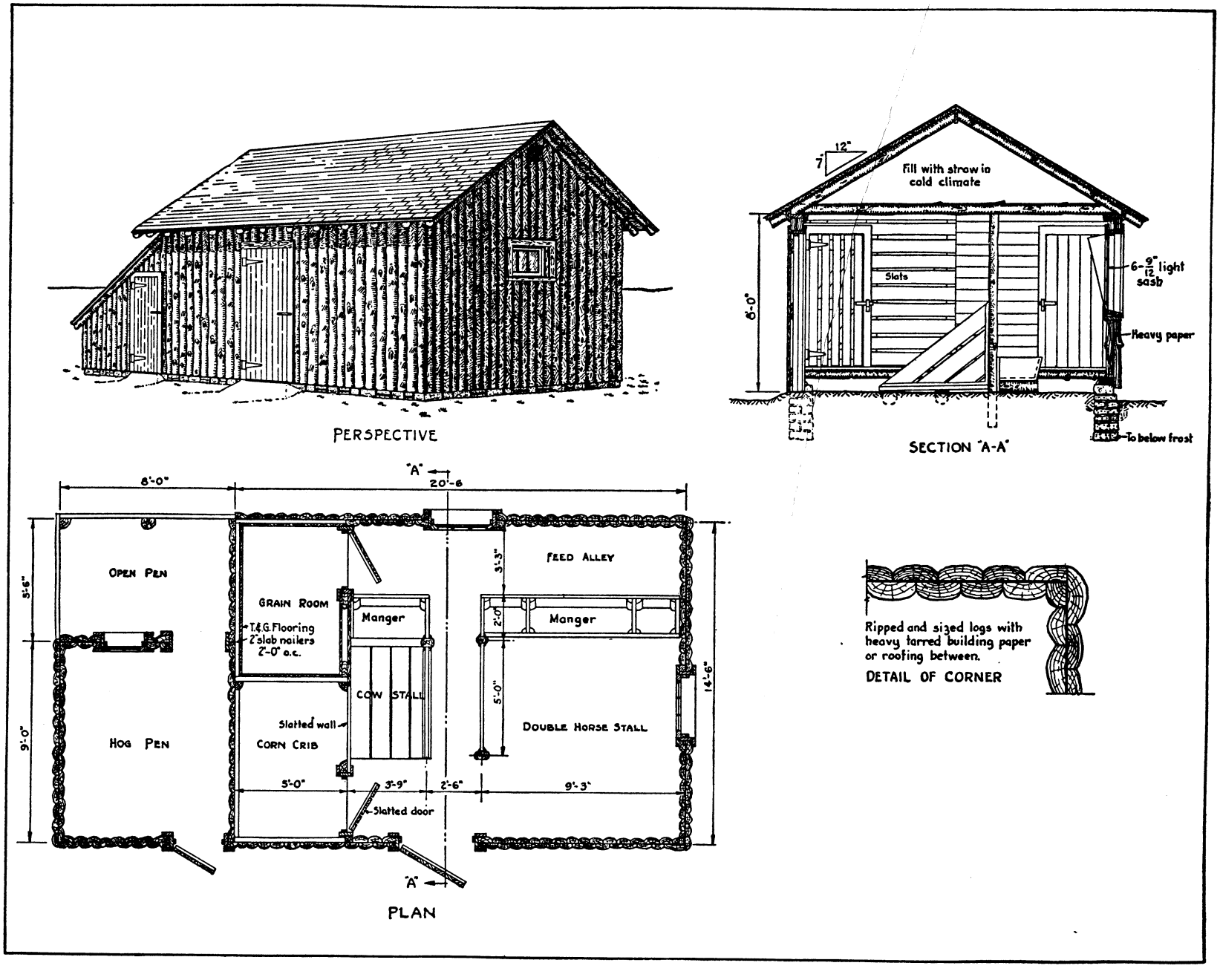
DRAWING No.
721 – 5109



The following detail sheets are required with this plan: 5174, 5098, 5100 in or 5099 out, 5199, 5103, 5171, 5170, 5105, 5106, 5107, and 5175 or 5104.

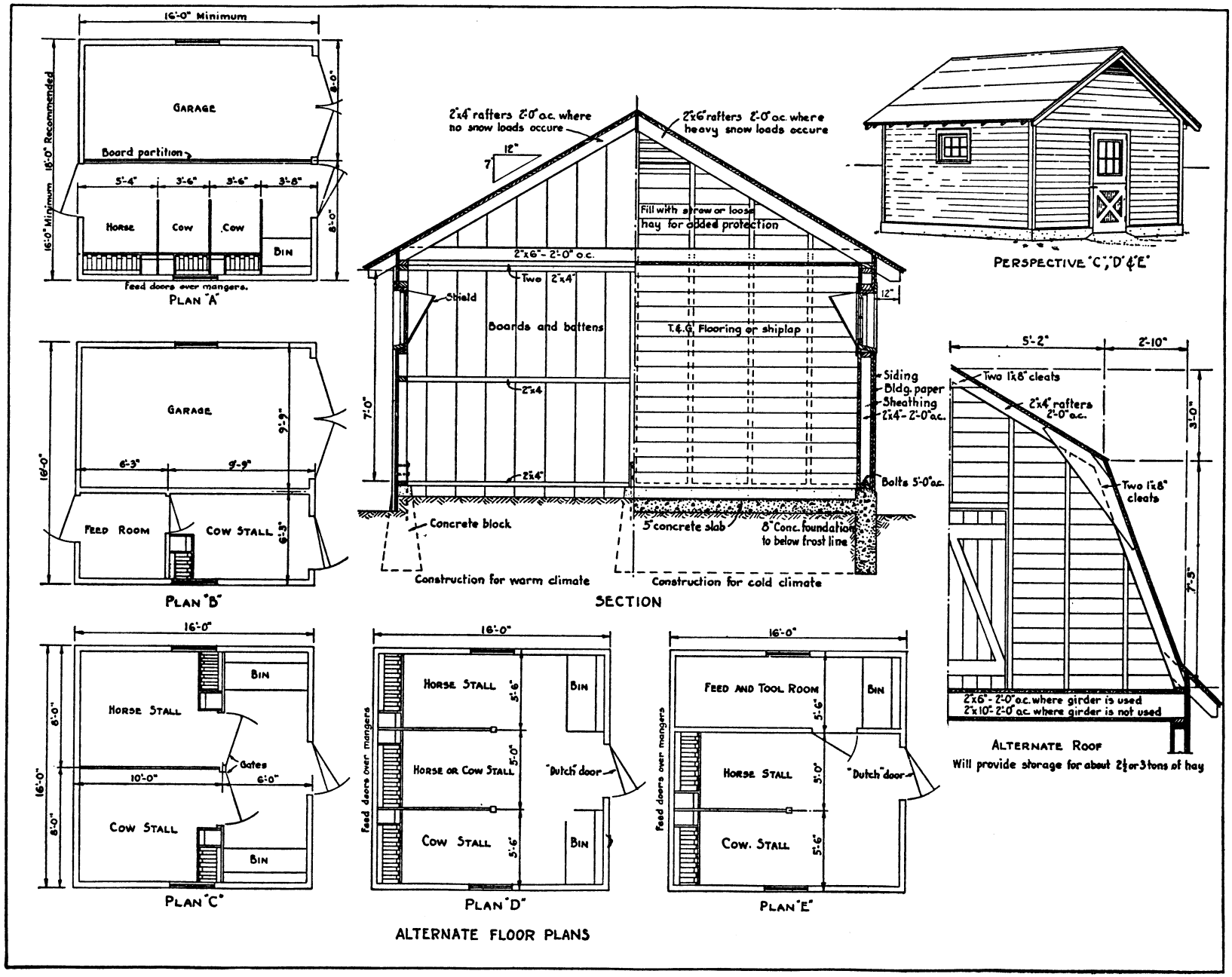
GENERAL BARN PLANS; 36 feet; stalls face in; 12 sheets.

DRAWING No.
721 – 5165



SPLIT-LOG BARN; 14 by 20 feet; 1 sheet.

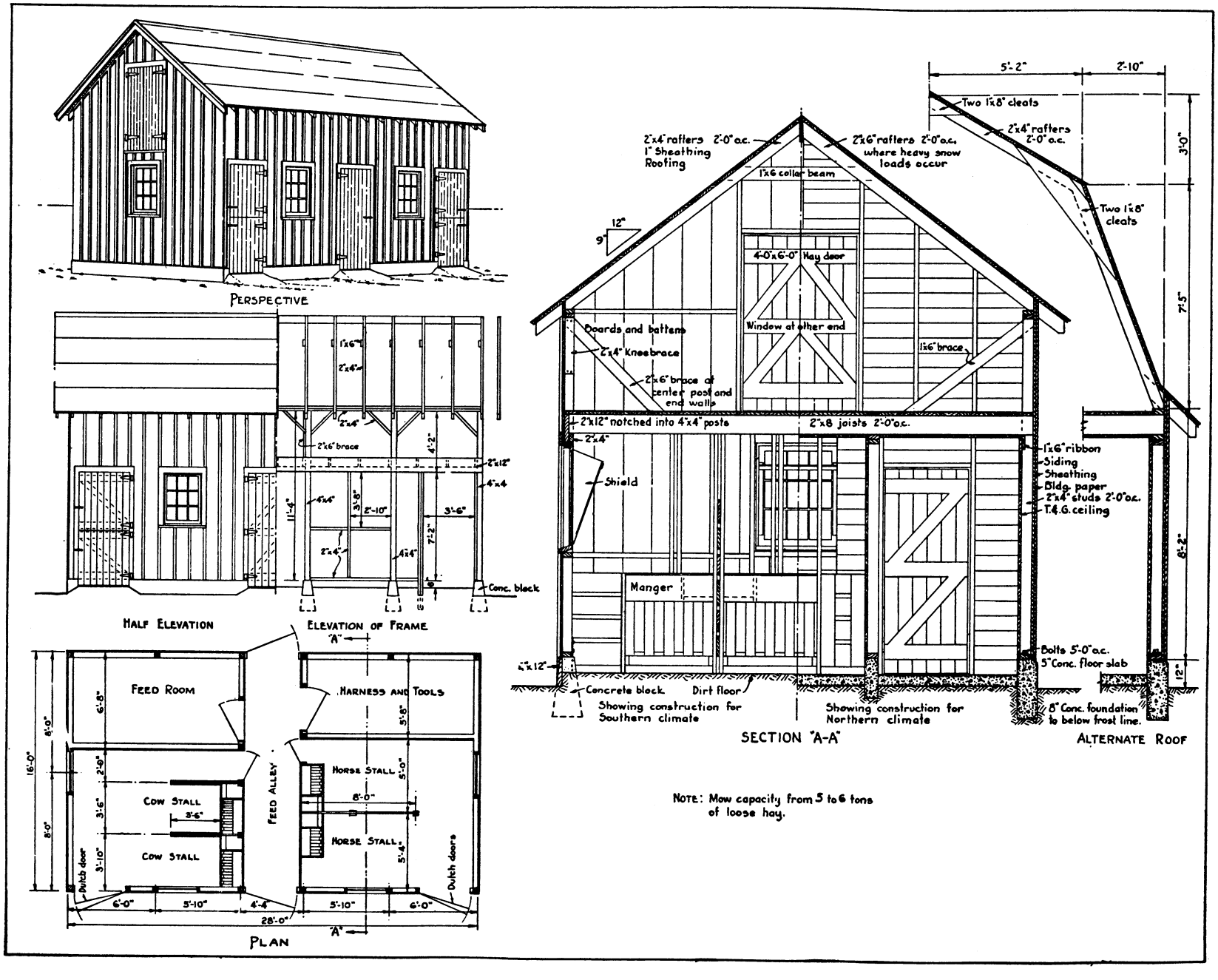
DRAWING No.
721 – 5166



The following detail sheets are required with this plan: 5171, 5104, or 5175.

GENERAL BARN; 1 story; gable roof; 16 by 16 feet; 3 sheets.

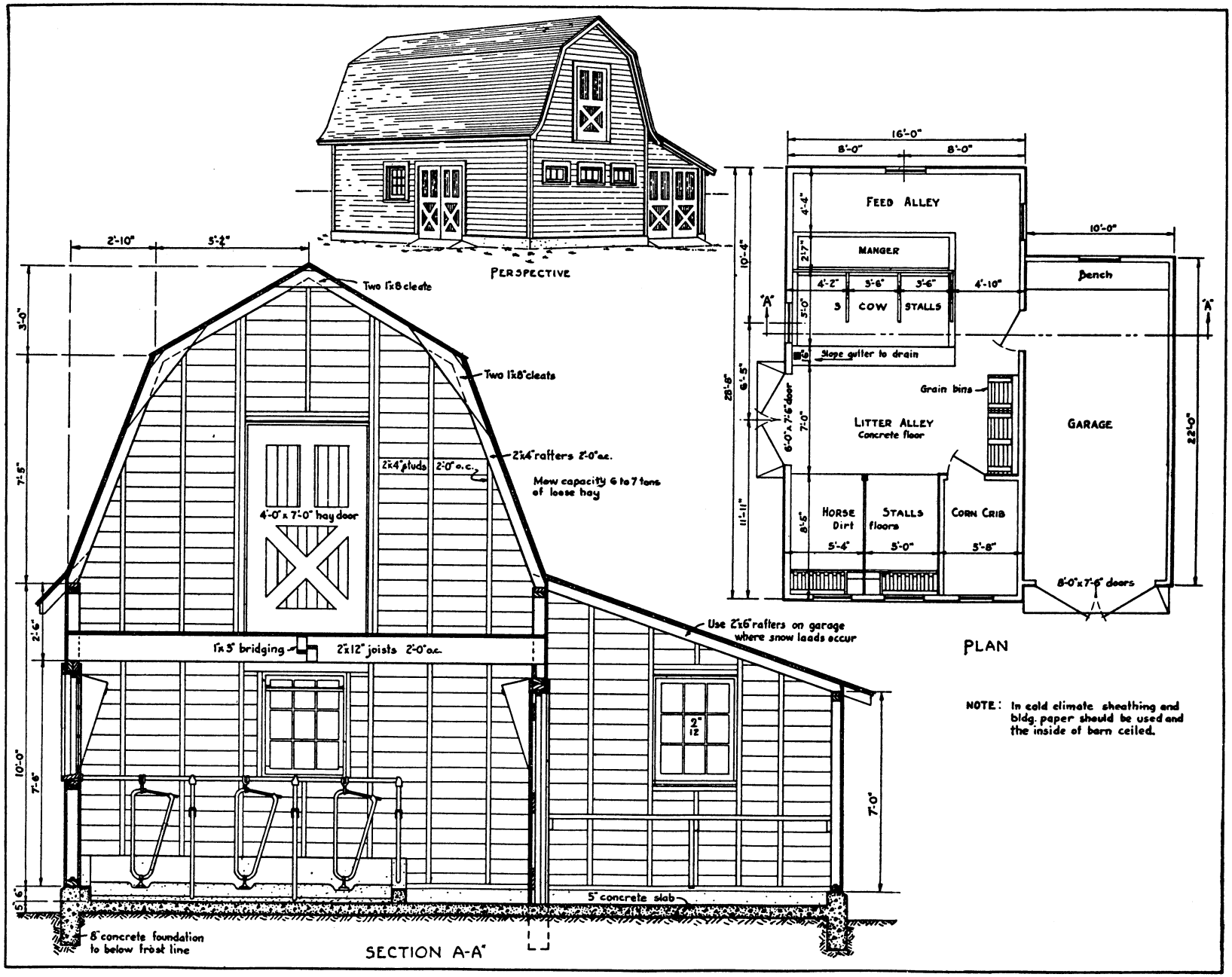
DRAWING No.
721 – 5167



The following detail sheets are required with this plan: 5170, 5171, and 5104 or 5175.

GENERAL BARN; 1½ stories, gable roof; 16 by 28 feet; 4 sheets.

DRAWING No.
721 – 5168

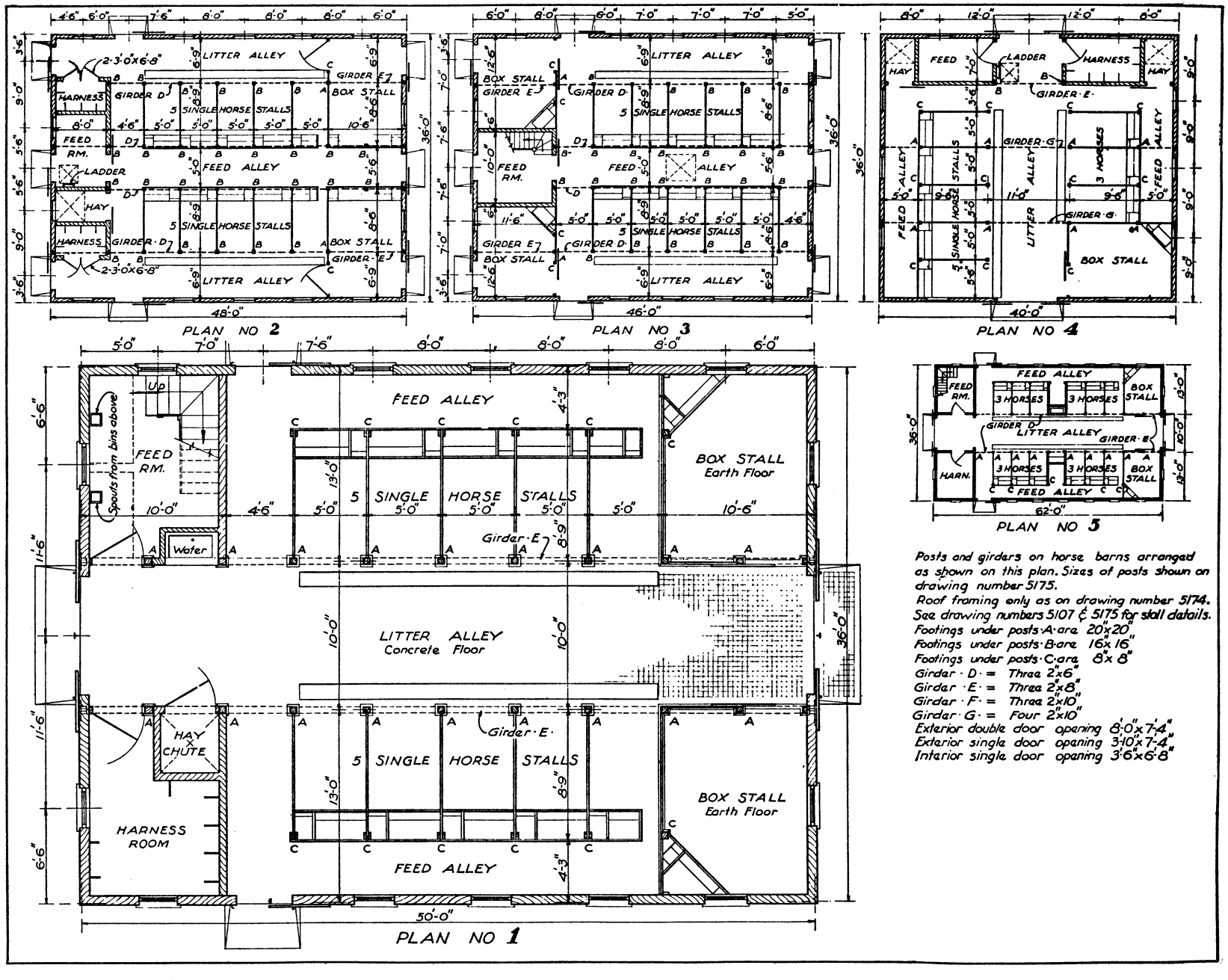


The following detail sheets are required with this plan: 5170, 5171, 5105, and 5104 or 5175.

GENERAL BARN; 2-stories; gambrel roof; 26 by 28 feet with side lean-to; 5 sheets.

DRAWING No.

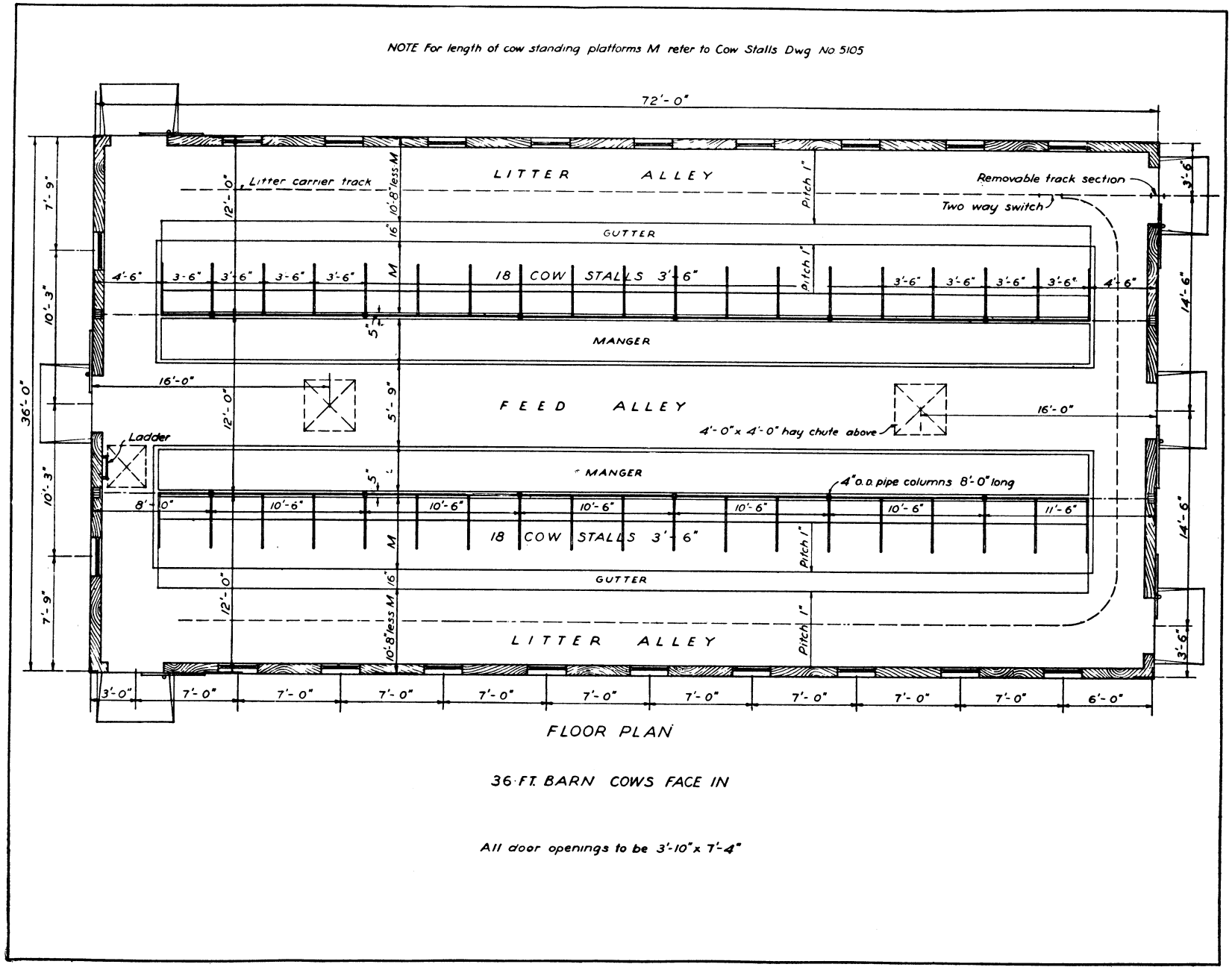
722 – 5110



The following detail sheets are required with this plan: 5174, 5098, 5099 face out or 5100 face in, 5199, 5103, 5171, 5170, 5107, and 5175 or 5104.

HORSE BARN PLANS; 36 feet wide; 10 sheets.

DRAWING No.
723 – 5111



FLOOR PLAN

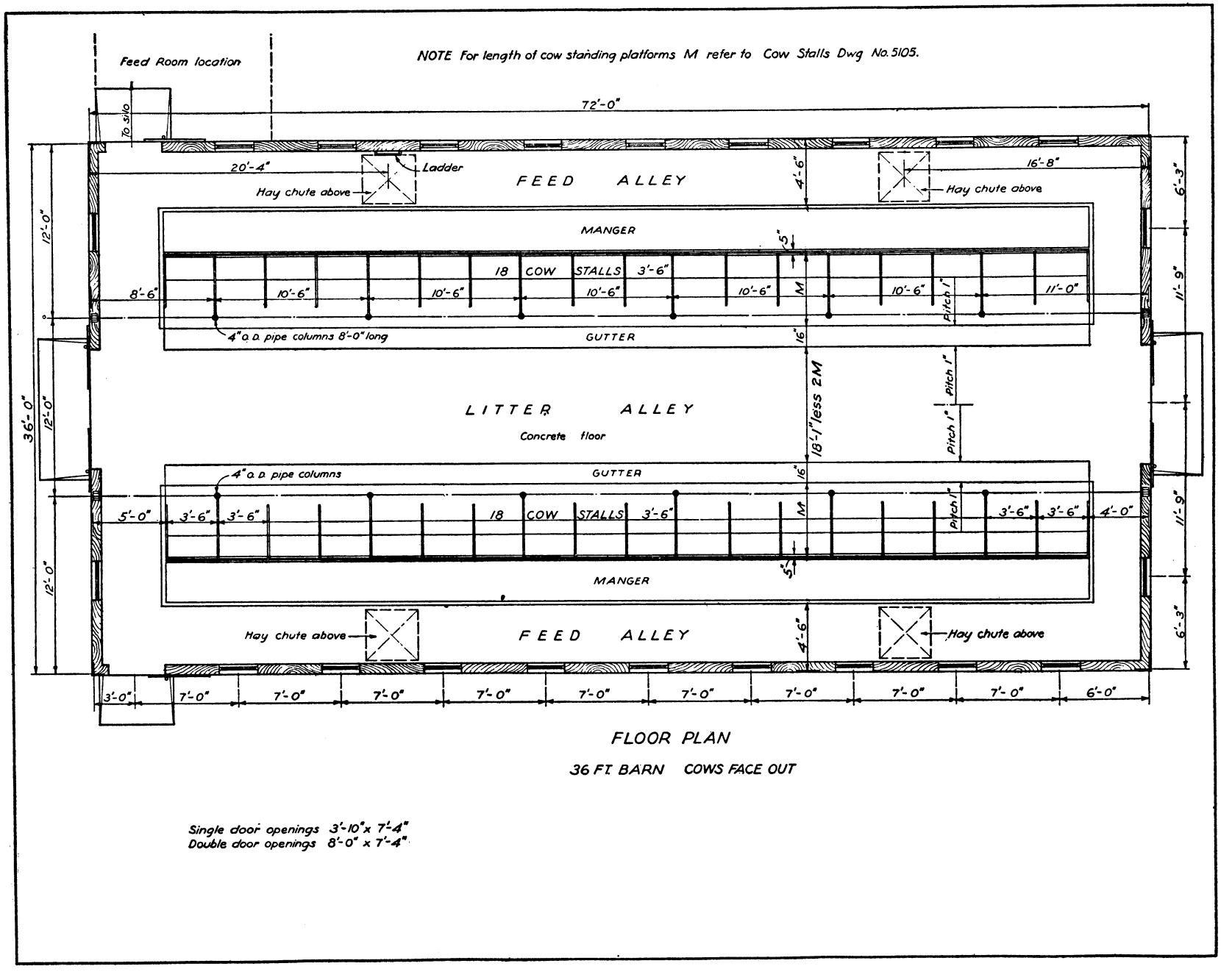
36 FT. BARN COWS FACE IN

All door openings to be 3'-10" x 7'-4"

The following detail sheets are required with this plan: 5174, 5098, 5100, 5199, 5103, 5171, 5170, 5105, 5106.

DAIRY-BARN PLAN; 36 feet; stalls face in; 10 sheets.

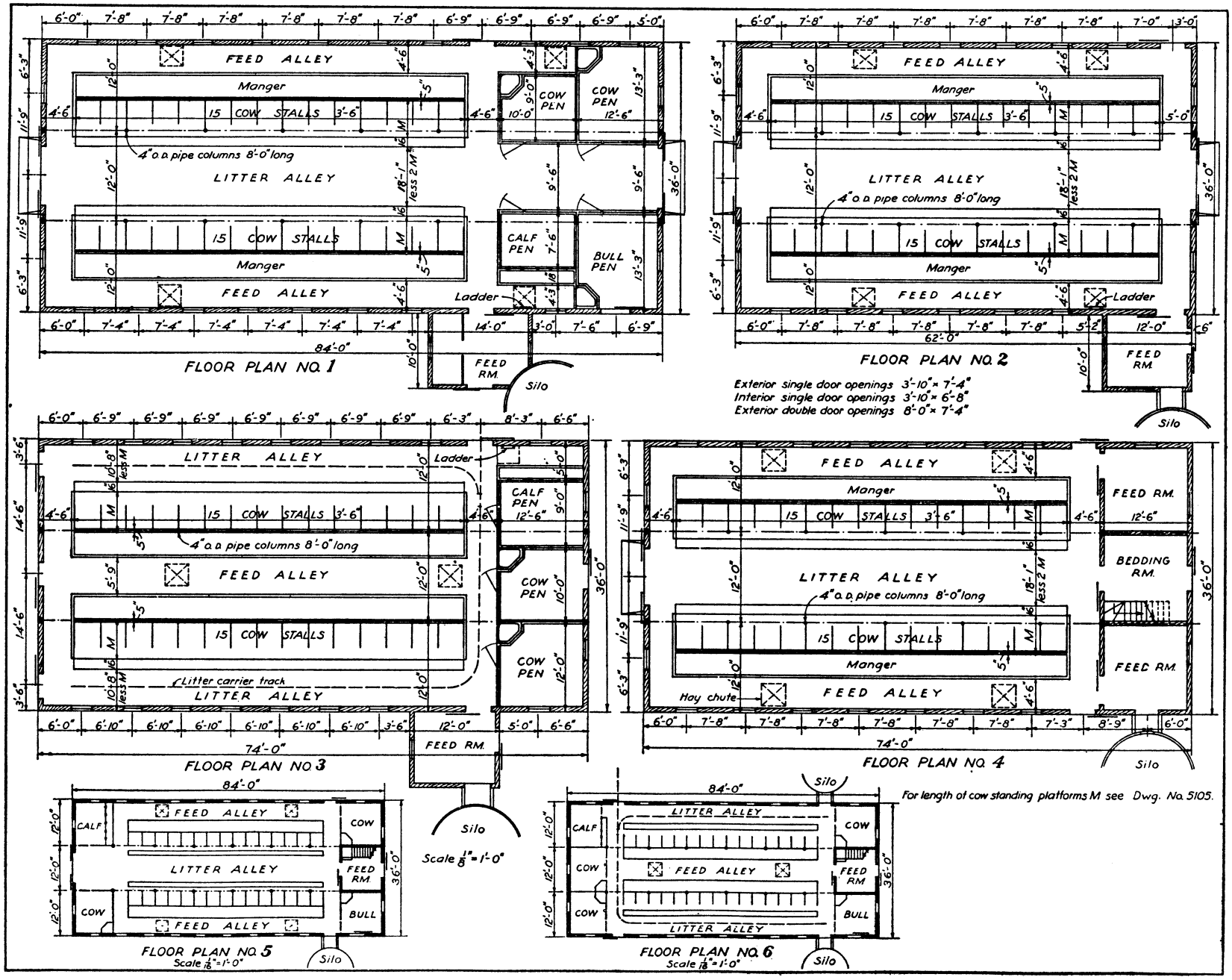
DRAWING No.
723 – 5112



The following detail sheets are required with this plan: 5174, 5098, 5099, 5199, 5103, 5171, 5105, 5170, 5106.

DAIRY-BARN PLAN; 36 feet; stalls face out; 10 sheets.

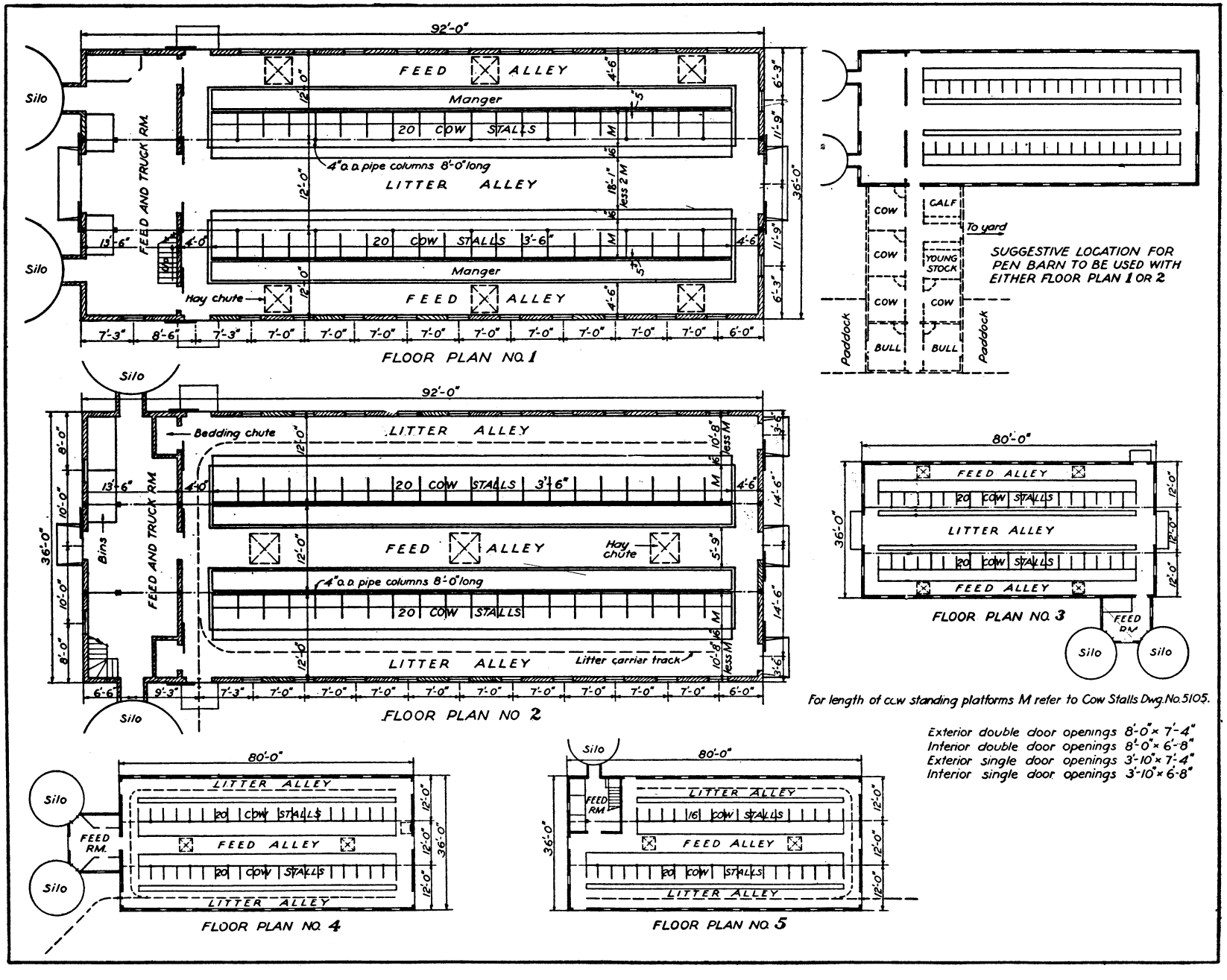
DRAWING No.
723 - 5113



The following detail sheets accompany this plan: 5174, 5098, 5099 face out or 5100 face in, 5199, 5103, 5171, 5170, 5105, 5106, 5107.

DAIRY-BARN PLANS: 36 feet; stalls face in or out; 11 sheets.

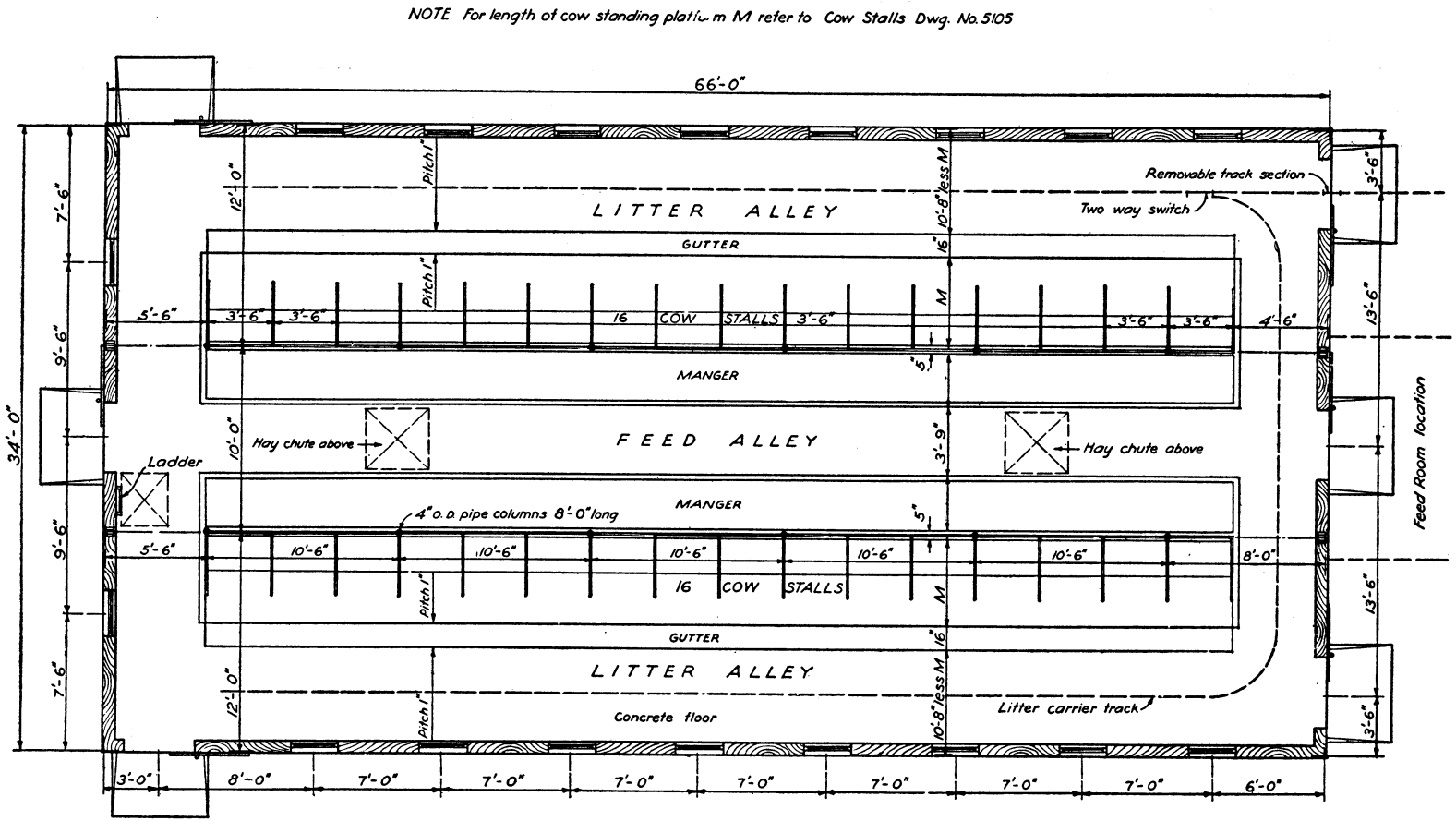
DRAWING No.
723 – 5114



The following detail sheets accompany this plan: 5174, 5098, 5099 face out or 5100 face in, 5199, 5103, 5171, 5170, 5105, 5106.

DAIRY-BARN PLANS: 36 feet; stalls face in or out; 10 sheets.

DRAWING No.
723 – 5115



FLOOR PLAN

34 FT. BARN COWS FACE IN

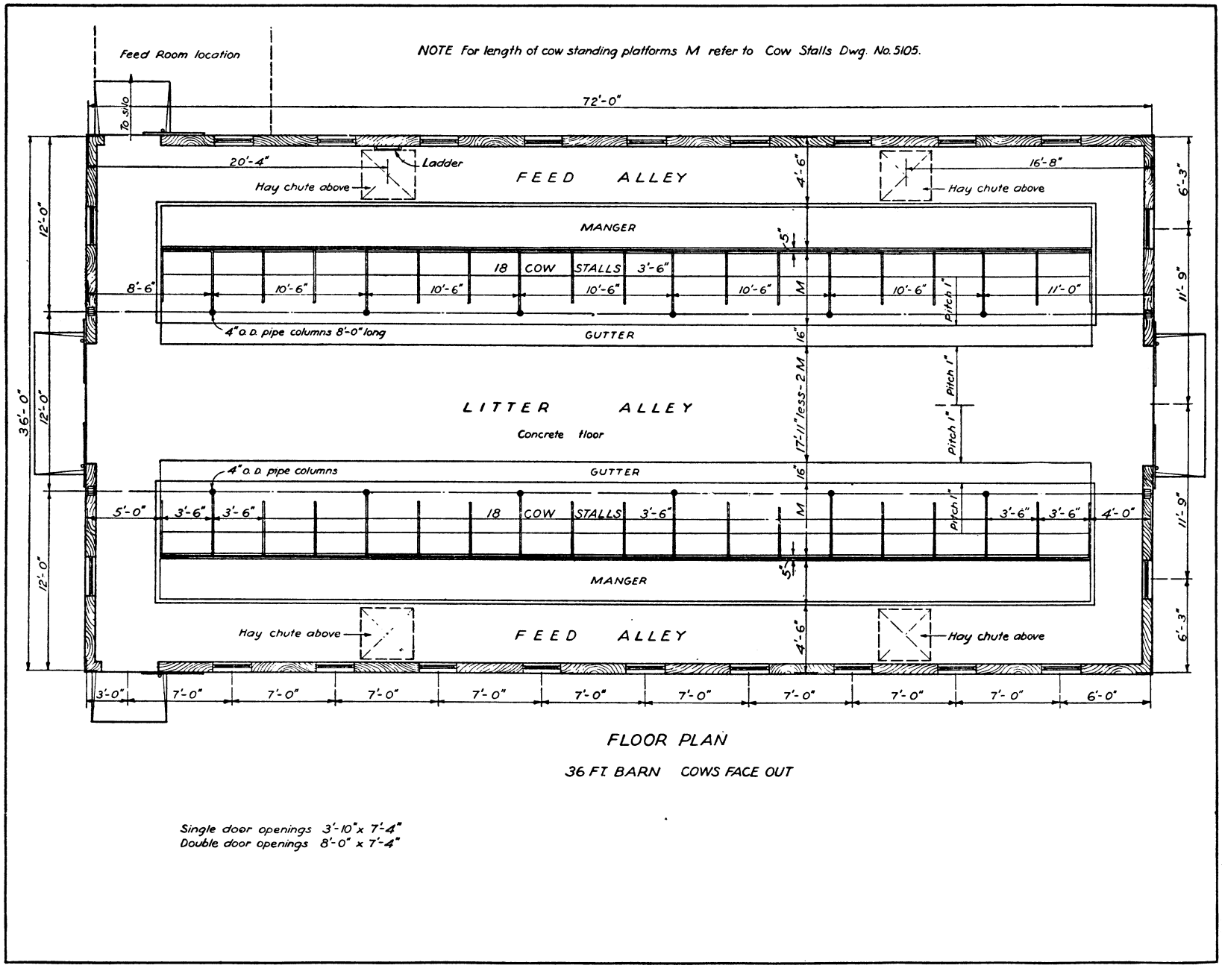
All door openings 3'-10" x 7'-4"

The following detail sheets are required with this plan: 5174, 5098, 5102, 5199, 5103, 5171, 5170, 5105, 5106.

DAIRY-BARN PLAN: 34 feet; stalls face in; 10 sheets.

DRAWING No.

723 – 5116



FLOOR PLAN

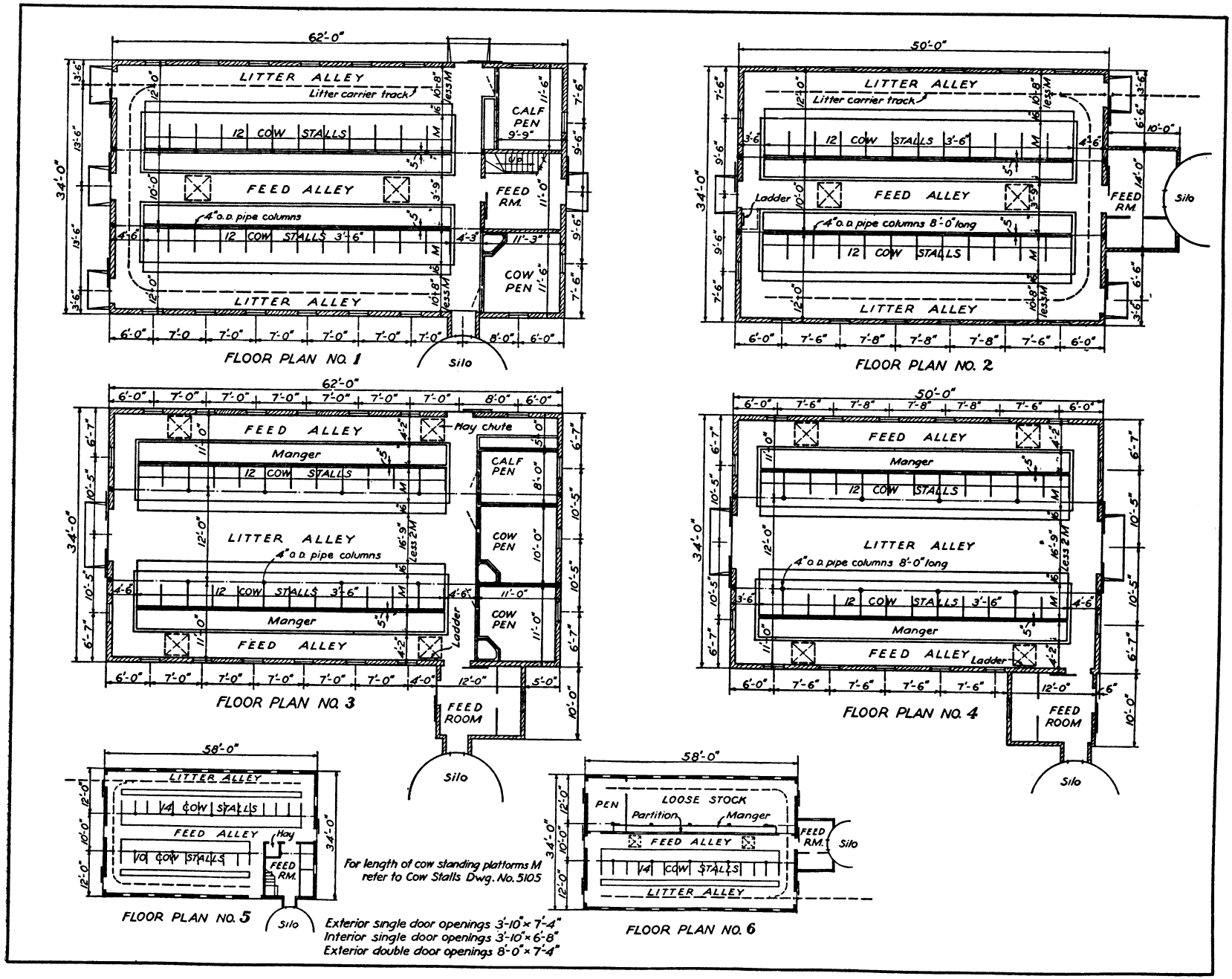
36 FT. BARN COWS FACE OUT

Single door openings 3'-10" x 7'-4"
Double door openings 8'-0" x 7'-4"

The following detail sheets are required with this plan: 5174, 5098, 5101, 5199, 5103, 5171, 5170, 5105, 5106.

DAIRY-BARN PLAN: 34 feet; stalls face out; 10 sheets.

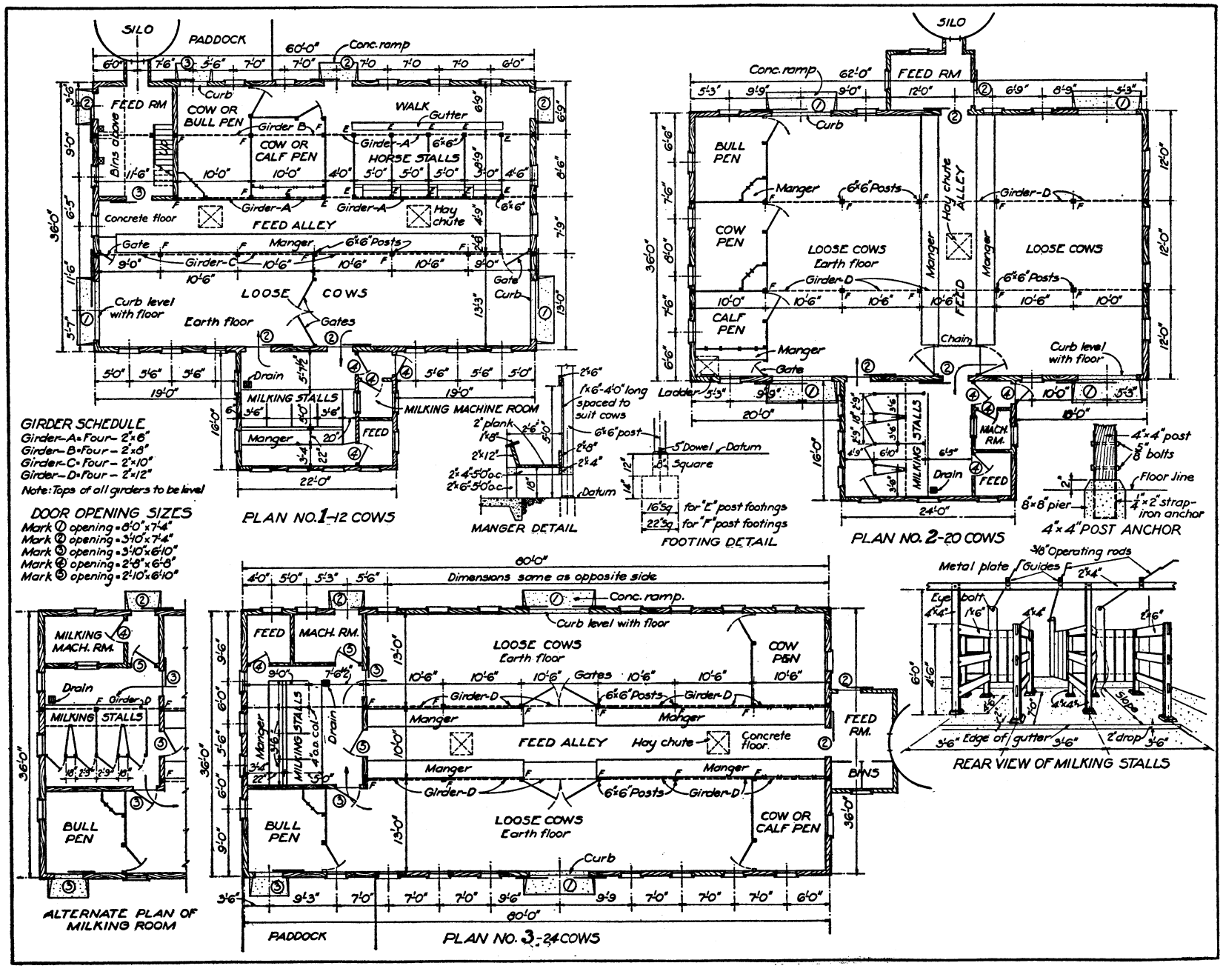
DRAWING No.
723 – 5117



The following detail sheets accompany this plan: 5174, 5098, 5101 out or 5102 in, 5199, 5103, 5171, 5170, 5105, 5106, 5107.

DAIRY-BARN PLANS: 34 feet; stalls face in and out; 11 sheets.

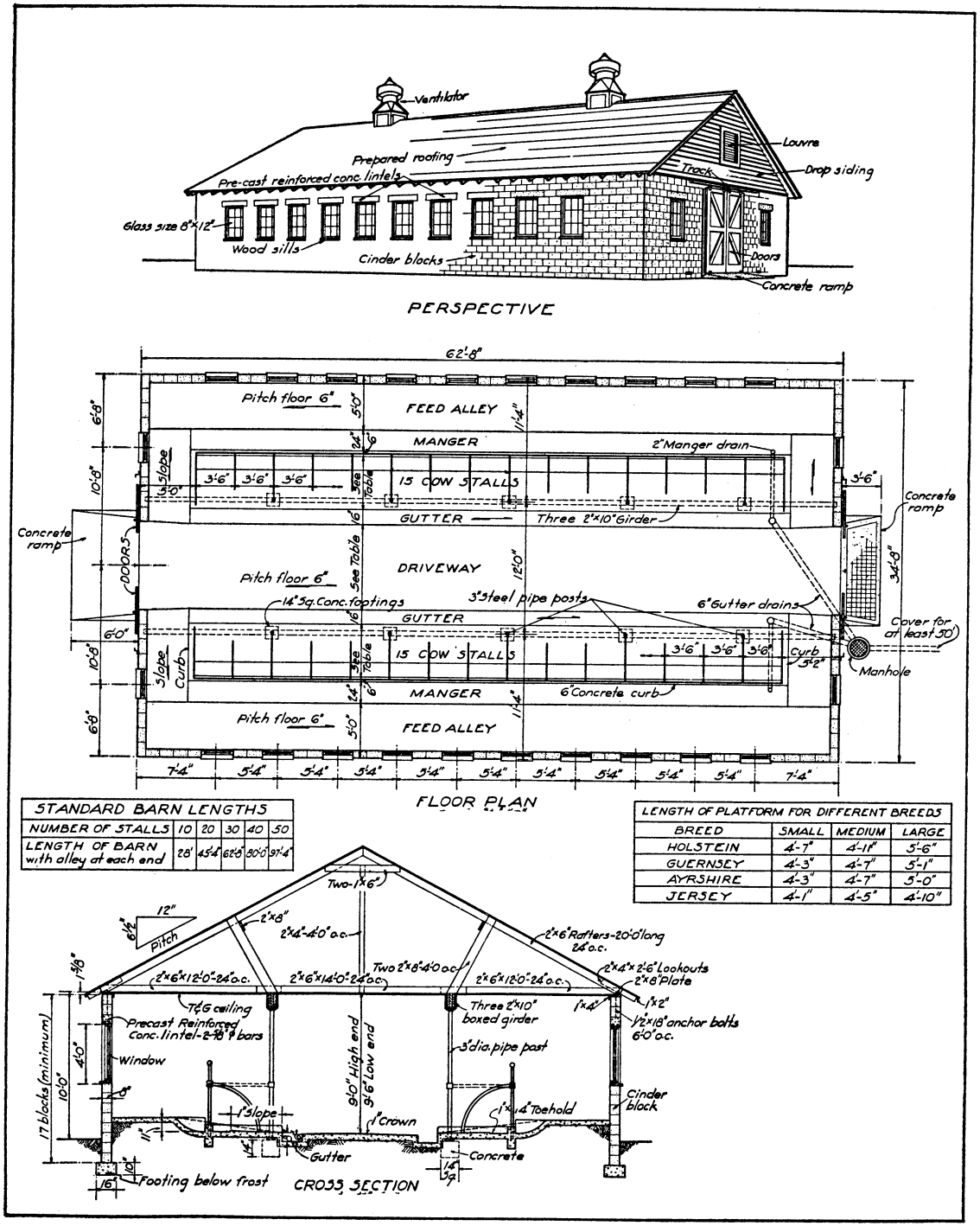
DRAWING No.
723 – 5118



The following detail sheets are required with this plan: 5174, 5098, 5099, 5199, 5171, 5170, 5103, 5105, 5106, 5107, and 5175 or 5104 for lay-out no. 1 only.

PEN BARNS: 11 sheets.

DRAWING No.
723 – 5121

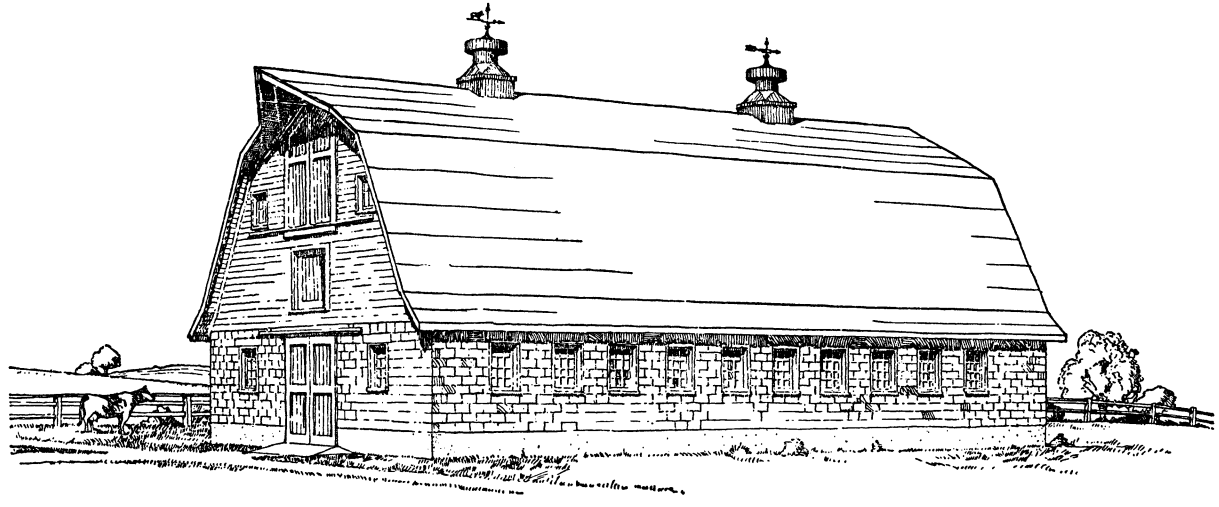


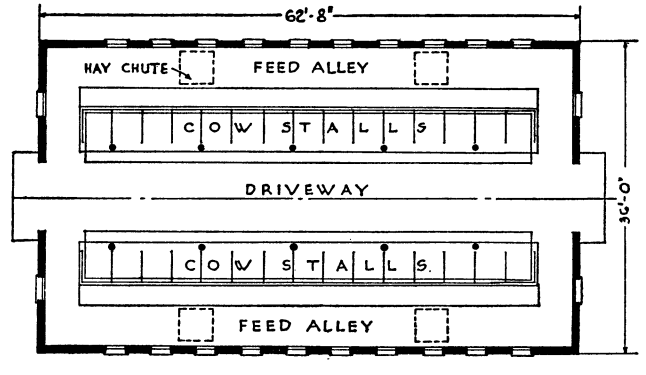
Cinder block barn

1 story; 35 feet; stalls face out; 1 sheet.

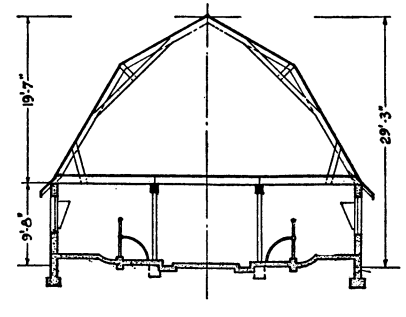
DRAWING No.

723 – 5122

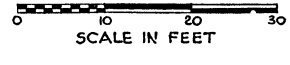




PLAN



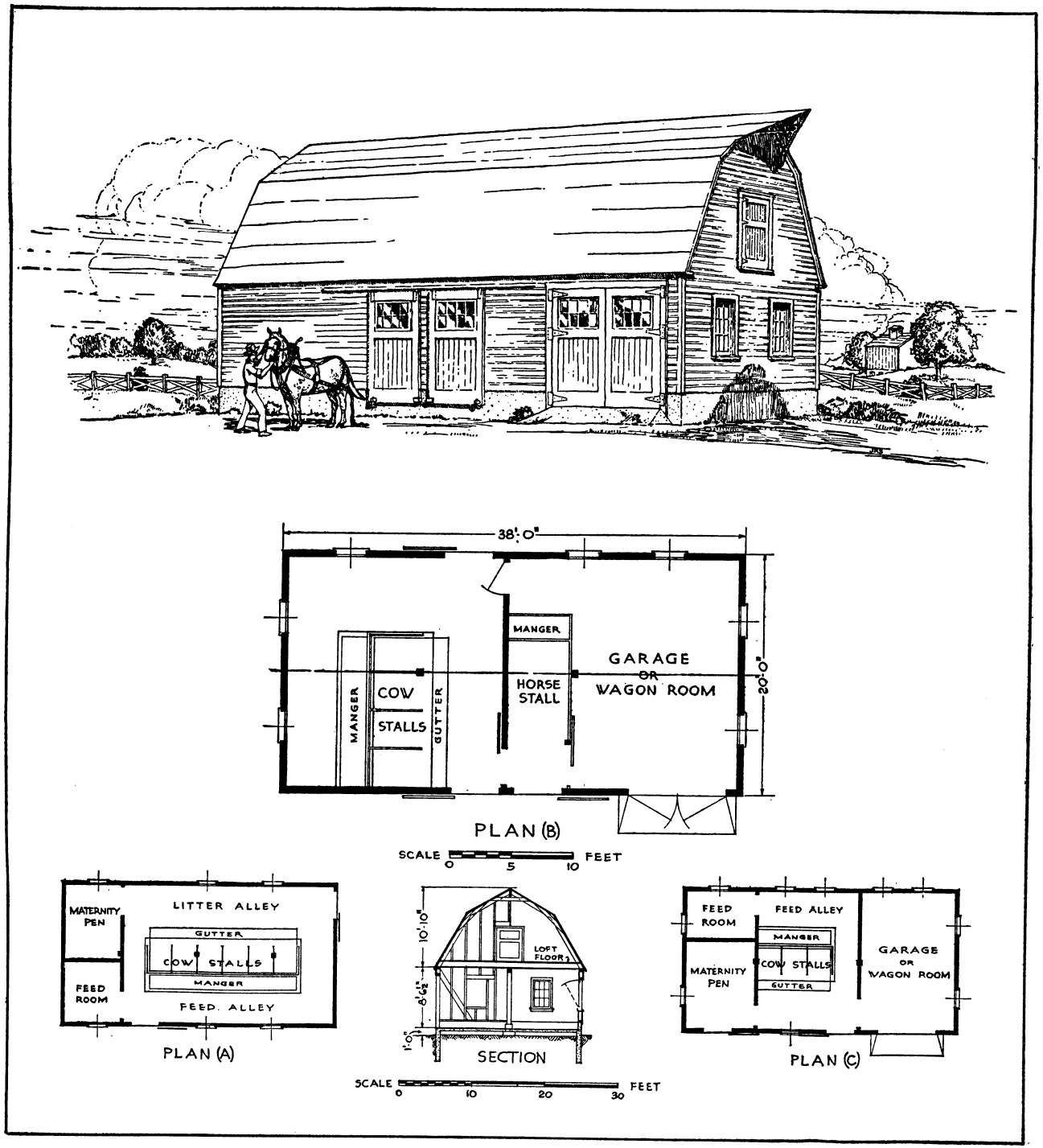
SECTION



CINDER BLOCK BARN

2 stories; 36 feet; stalls face out; 2 sheets.

DRAWING No.
723 – 5123

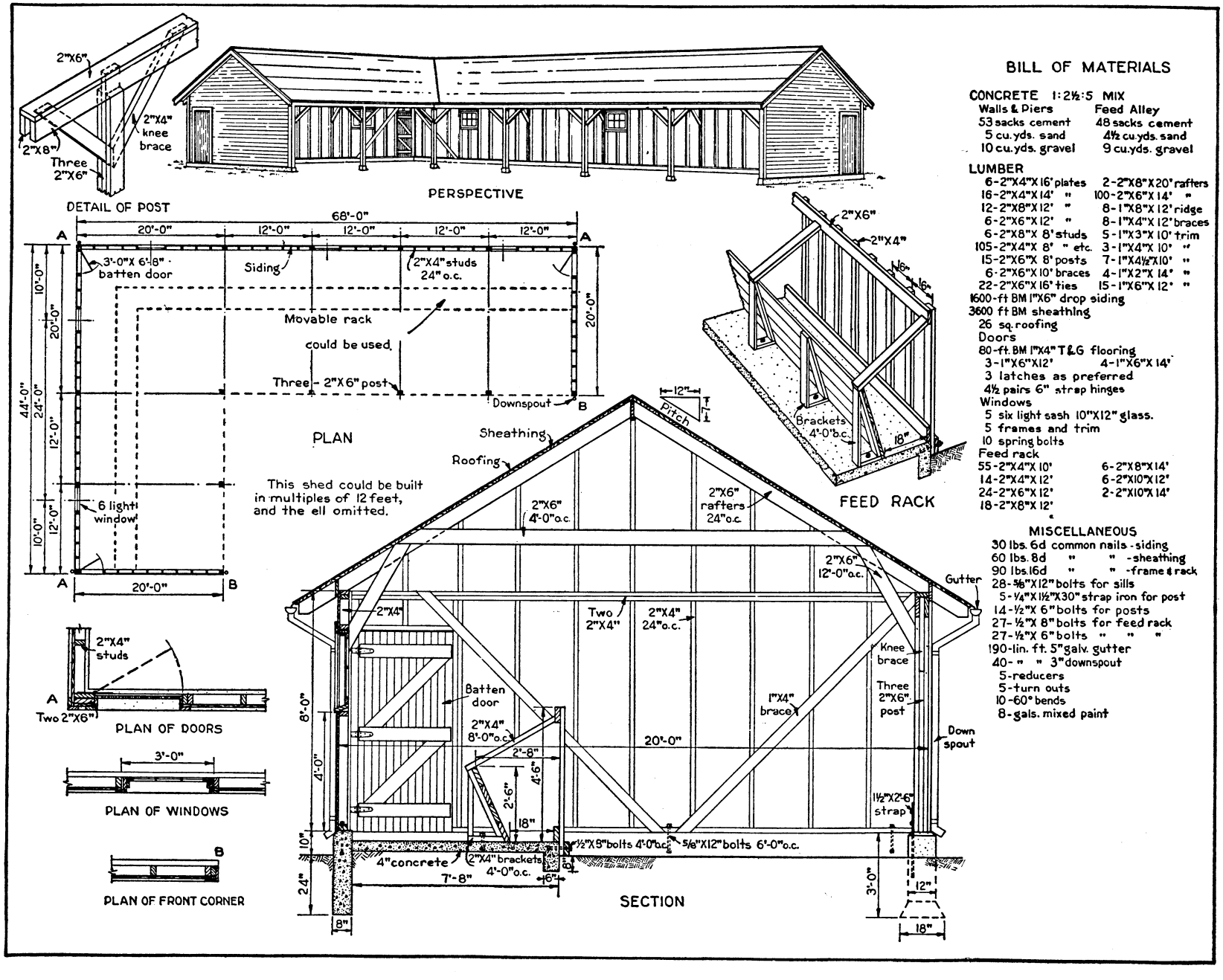


The following detail sheets are required with this plan: 5105, 5106, 5170, 5171, and 5199.

DAIRY BARNS

1½ stories; 20 by 38 feet; 7 sheets.

DRAWING No.
724-5018



BILL OF MATERIALS

CONCRETE 1:2½:5 MIX

Walls & Piers	Feed Alley
53 sacks cement	48 sacks cement
5 cu. yds. sand	4½ cu. yds. sand
10 cu. yds. gravel	9 cu. yds. gravel

LUMBER

6-2"X4"X 16' plates	2-2"X8"X 20' rafters
16-2"X4"X 14' "	100-2"X6"X 14' "
12-2"X8"X 12' "	8-1"X8"X 12' ridge
6-2"X6"X 12' "	8-1"X4"X 12' braces
6-2"X8"X 8' studs	5-1"X3"X 10' trim
105-2"X4"X 8' " etc.	3-1"X4"X 10' "
15-2"X6"X 8' posts	7-1"X4½"X10' "
6-2"X6"X 10' braces	4-1"X2"X 14' "
22-2"X6"X 16' ties	15-1"X6"X 12' "

1600-ft BM 1"X6" drop siding
3600 ft BM sheathing
26 sq. roofing
Doors
80-ft. BM 1"X4" T&G flooring
3-1"X6"X12' 4-1"X6"X 14'
3 latches as preferred
4½ pairs 6" strap hinges
Windows
5 six light sash 10"X12" glass.
5 frames and trim
10 spring bolts
Feed rack

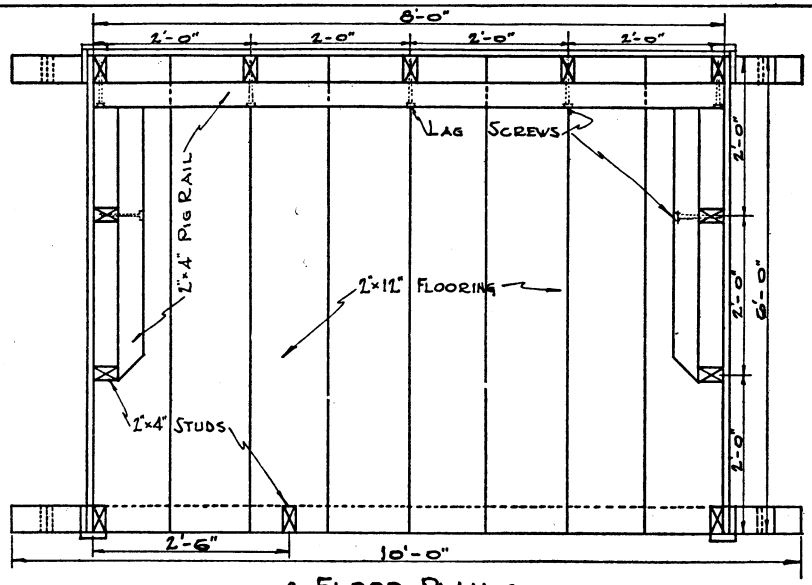
55-2"X4"X 10'	6-2"X8"X 14'
14-2"X4"X 12'	6-2"X10"X 12'
24-2"X6"X 12'	2-2"X10"X 14'
18-2"X8"X 12'	

MISCELLANEOUS

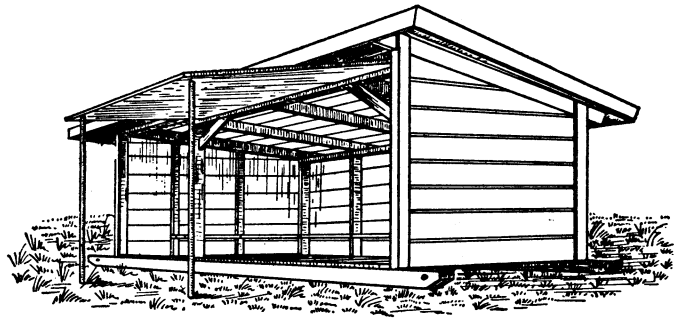
30 lbs. 6d common nails - siding
60 lbs. 8d " " - sheathing
90 lbs. 16d " " - frame & rack
28-⅝"X12" bolts for sills
5-¼"X1½"X30" strap iron for post
14-½"X 6" bolts for posts
27-½"X 8" bolts for feed rack
27-½"X 6" bolts " " "
190-lin. ft. 5" galv. gutter
40- " " 3" downspout
5-reducers
5-turn outs
10-60° bends
8-gals. mixed paint

CATTLE SHED; 40 to 50 head; 1 sheet.

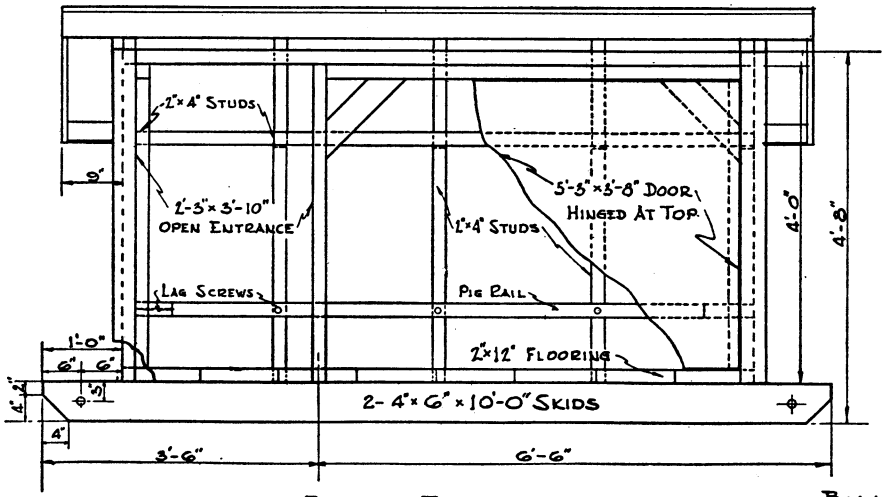
DRAWING No.
726 – 5124



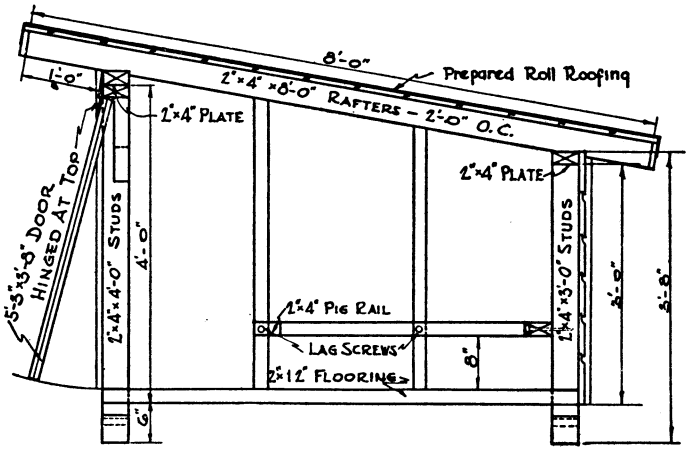
• Floor Plan •



• Perspective •



• Front Elevation •



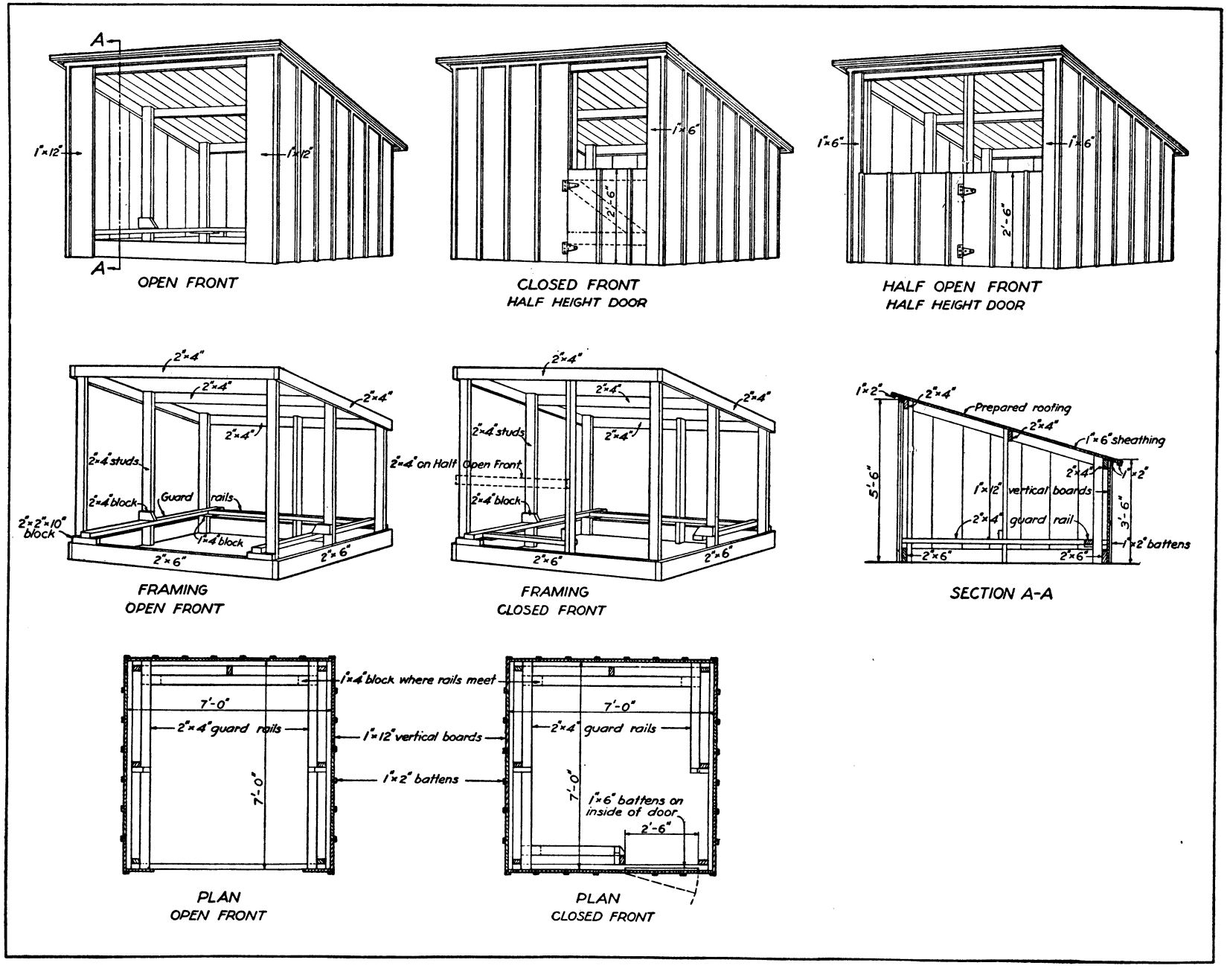
• Section •

• Bill Of Materials •

Skids	2-4"x6"x10'-0"
Plates	3-2"x4"x8'-0"
Rafters	5-2"x4"x8'-0"
Studs	3-2"x4"x16'-0"
Pig Rail	1-2"x4"x16'-0"
Flooring	4-2"x12"x12'-0"
Trim	2-1"x4"x10'-0"
	3-1"x4"x16'-0"
Siding	90 bd. ft. 1"x6" novelty siding
Roofers	13-1"x8"x10'-0"
Door	24 bd. ft. 1"x6" novelty siding
	1-1"x4"x8'-0"
Roofing	1 Roll, 3 ply prepared roofing.
Hinges	1 Pr. 6" Strap hinges.
Lag Screws	7-½"x8" Lag Screws.
Nails	2 lb. 20d common nails.
	2 lb. 8d Boxing nails.
	1 lb. 6d Boxing nails.

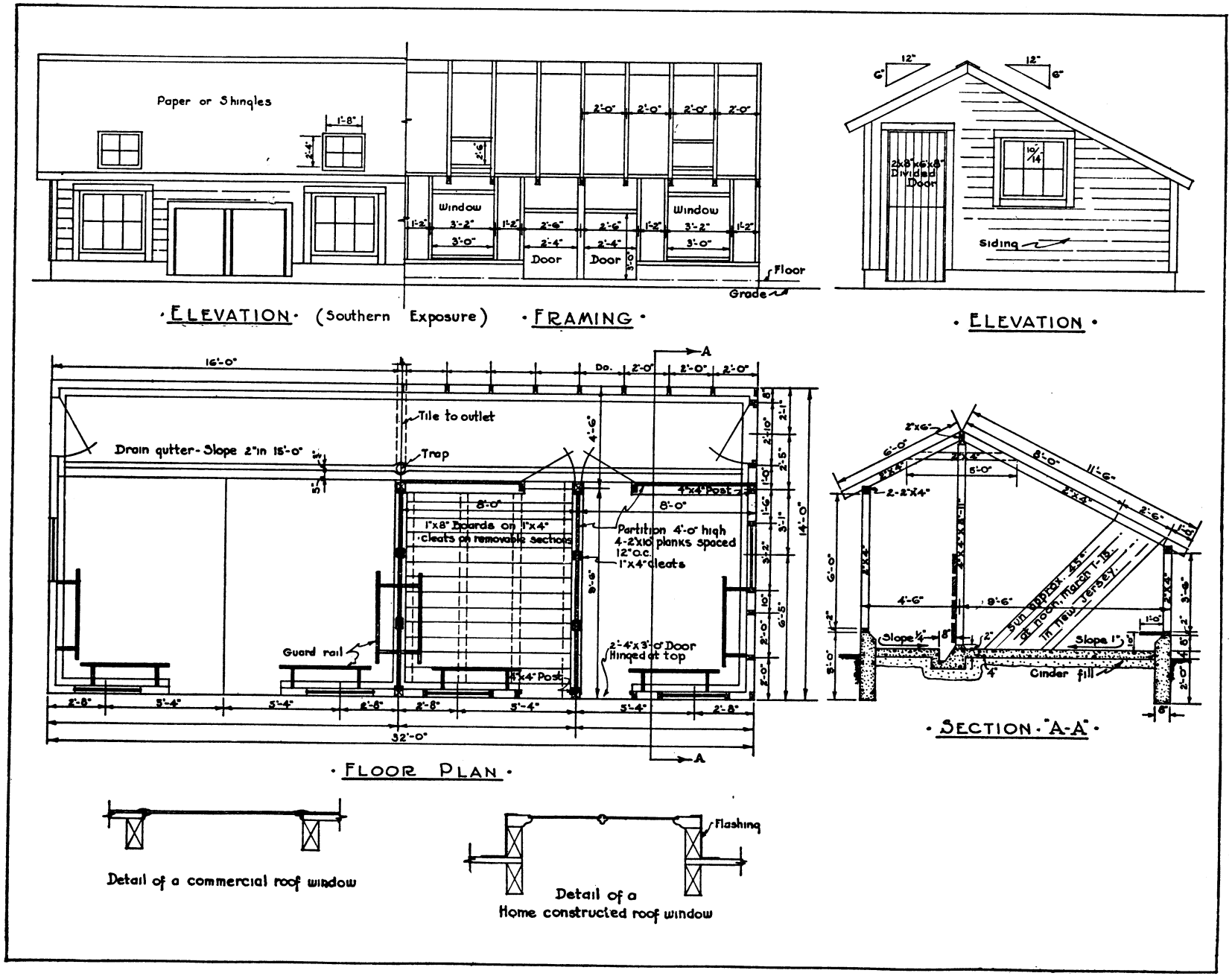
Shed-roof portable hog house; 1 sheet.

DRAWING No.
726 – 5127



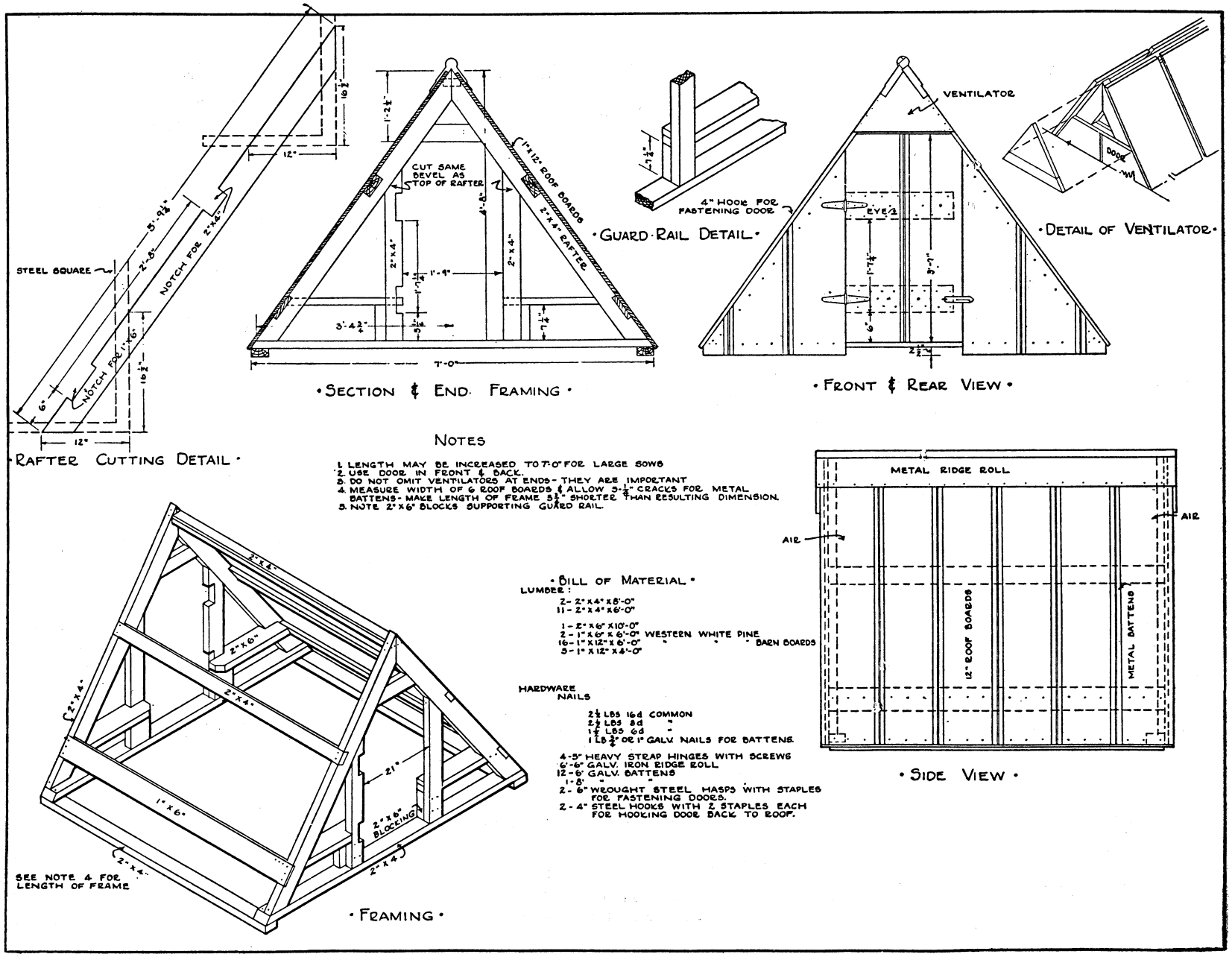
INDIVIDUAL PORTABLE HOG HOUSE; 1 sheet.

DRAWING No.
726 – 5130



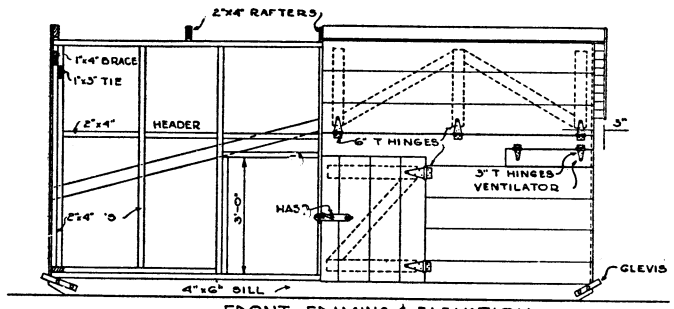
FARROWING HOUSE; 1 sheet.

DRAWING No.
726-5271

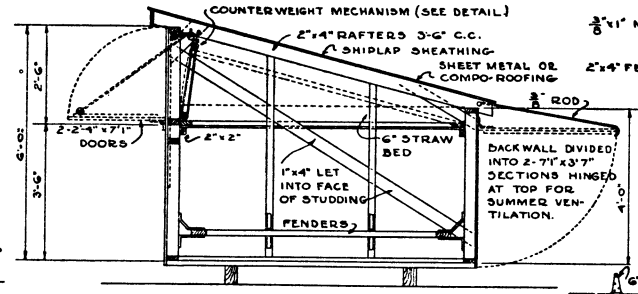


"A"-TYPE HOG HOUSE: 1 sheet.

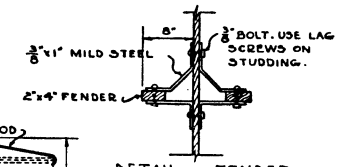
DRAWING No.
726-5273



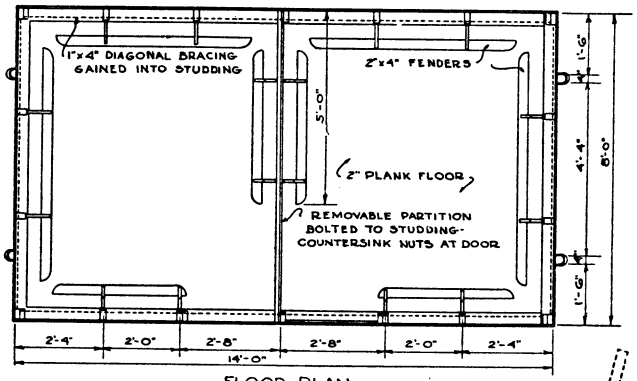
FRONT FRAMING & ELEVATION



GROSS SECTION

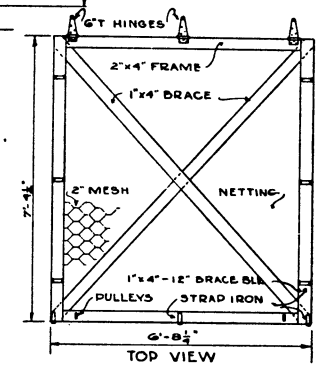


DETAIL OF FENDER



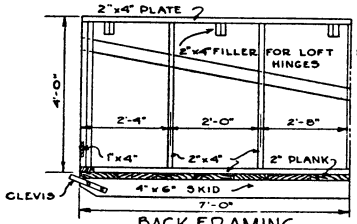
FLOOR PLAN

NO. REQ.	SIZE	LENGTH	GRADE	REMARK
2	4"x6"	14'	#1 FIR SKIDS	CREOSOTED
14	2"x12"	8'	"	FLOORING
1	2"x6"	8'	"	FLOORING
3	2"x4"	10'	#1 Y.P. DIMEN.	RAFTERS
8	2"x4"	12'	"	STUDDING
1	2"x4"	16'	"	"
1	2"x4"	14'	"	HEADERS
1	2"x4"	16'	"	"
1	2"x4"	10'	"	" & FILLERS
2	2"x4"	14'	"	PLATES
2	2"x4"	14'	"	LOFT FRAME
2	2"x4"	16'	"	" "
4	2"x4"	10'	"	FENDERS
1	2"x4"	16'	"	SILLS
2	2"x4"	14'	"	"
1	1"x6"	16'	"	FASCIA
2	1"x4"	16'	"	BRACING
2	1"x4"	10'	"	END BRACING
3	1"x4"	16'	"	PARTITION
1	1"x4"	12'	"	"
1	1"x4"	10'	"	"
4	1"x4"	10'	"	LOFT FRME BRACES
1	1"x4"	16'	"	FRONT DOOR CLEATS
2	1"x4"	14'	"	" " "
2	1"x4"	10'	"	BACK DOOR "
2	1"x4"	12'	"	" " "
2	1"x3"	10'	"	RAFTER TIES "
8	1"x10"	16'	#1 W.P. SHIPLAP	FRONT SIDING & DOORS
3	1"x10"	16'	"	BACK " " "
6	1"x10"	16'	"	END SIDING
2	1"x10"	12'	"	" "
10	1"x12"	16'	#5 Y.P.	ROOF SHEATHING
2	2"x2"	14'	#1 Y.P. DIMEN.	LOFT STOP
11 PR	6"		T HINGES	
2 PR	3"		T HINGES	
4	6"		HASPS	
8	2"		STAPLES	
12'-0"	3/8"		ROUND IRON	HOOKS & EYE-BOLTS
32'-0"	3/8"x1"		MILD STEEL	FENDER BRACKETS
24	3/8"x2 1/2"		LAG SCREWS	
20	3/8"x2 1/2"		MACHINE BOLTS	
6'-0"	3/8"x1 1/2"		STRAP IRON	
8#	16d		WIRE NAILS	
10#	8d		" "	
44-0"	28"		2" MESH	POULTRY NETTING
2	ROLLS		3 PLY COMPO	ROOFING
22'-0"	3/8"		SASH CORD	
8	1 1/2"		G.I. AWNING	PULLEYS
1	GAL.		BARN PAINT	COLOR TO SUIT

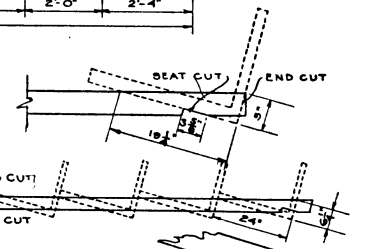


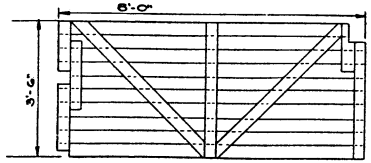
DETAIL OF STRAW LOFT FRAME

USE 2" POULTRY NETTING ON UNDER SIDE OF FRAME AND ABOVE 1"x4" CROSS BRACES. BEND NETTING UP 6" ALONG EDGES OF THE FRAME TO KEEP STRAW FROM FALLING OUT. FASTEN NETTING TO STRAP IRON BRACKETS AS SHOWN IN TOP & END VIEW OF THE FRAME. SEAL ENDS BY NAILING 2"x4" HEADERS BETWEEN THE STUDDING

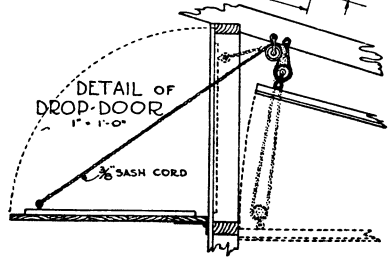


BACK FRAMING



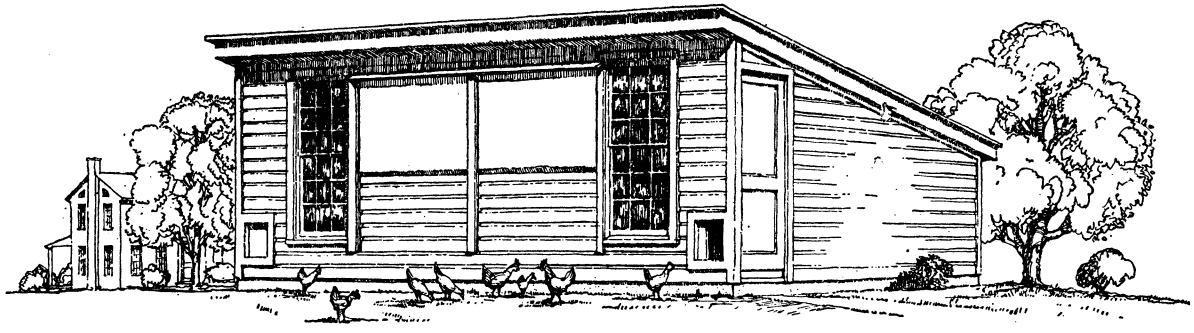


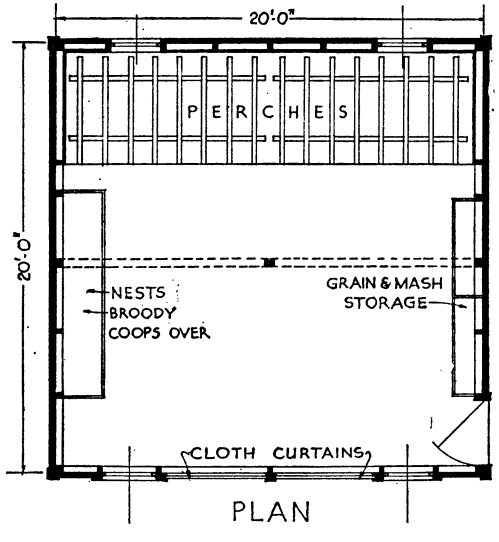
DETAIL OF PARTITION

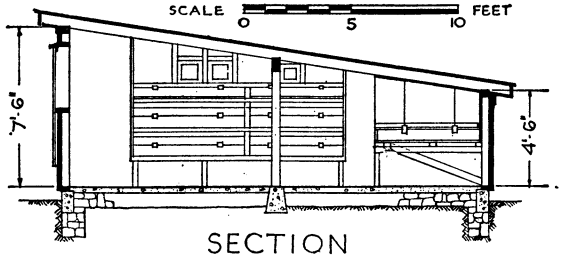


STRAW-LOFT FARROWING HOUSE: 1 sheet.

DRAWING No.
727 – 5131



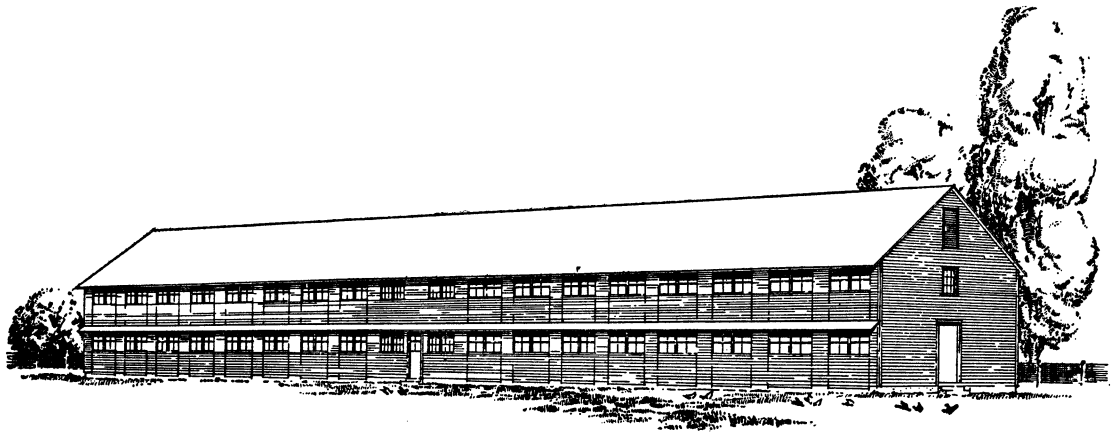


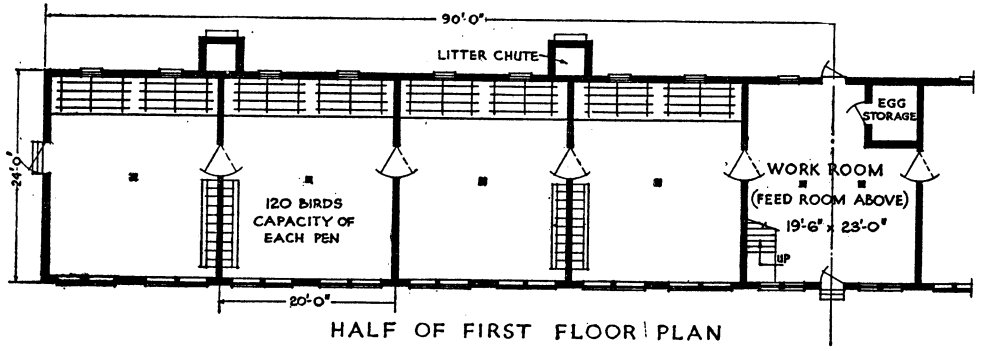


Laying house

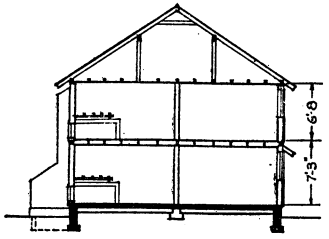
20 foot, 100 birds; 3 sheets.

DRAWING No.
727 – 5132





HALF OF FIRST FLOOR PLAN



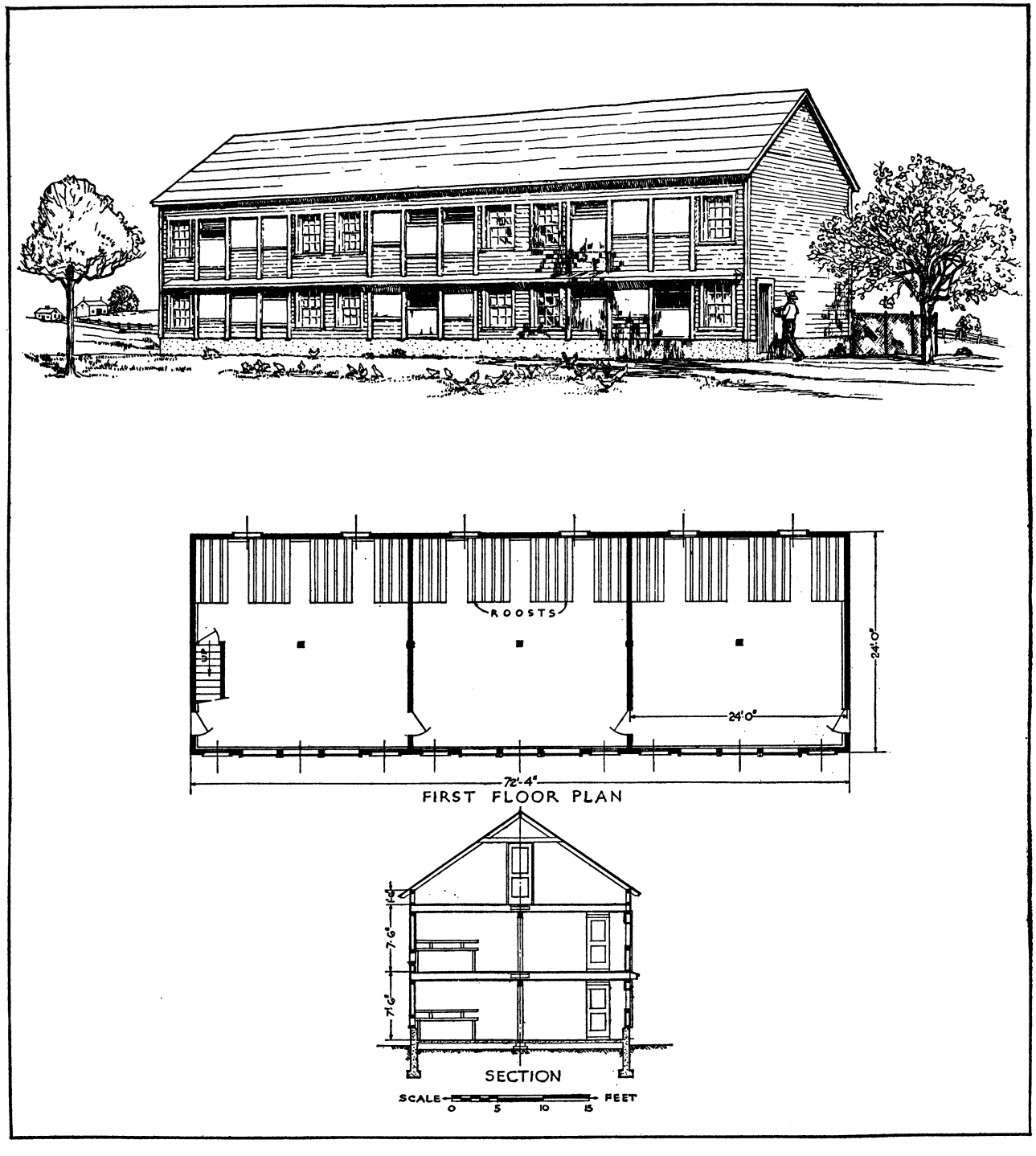
SECTION

TWO-STORY POULTRY HOUSE

24- by 20-foot pens; 2,000 birds;
4 sheets.

DRAWING No.

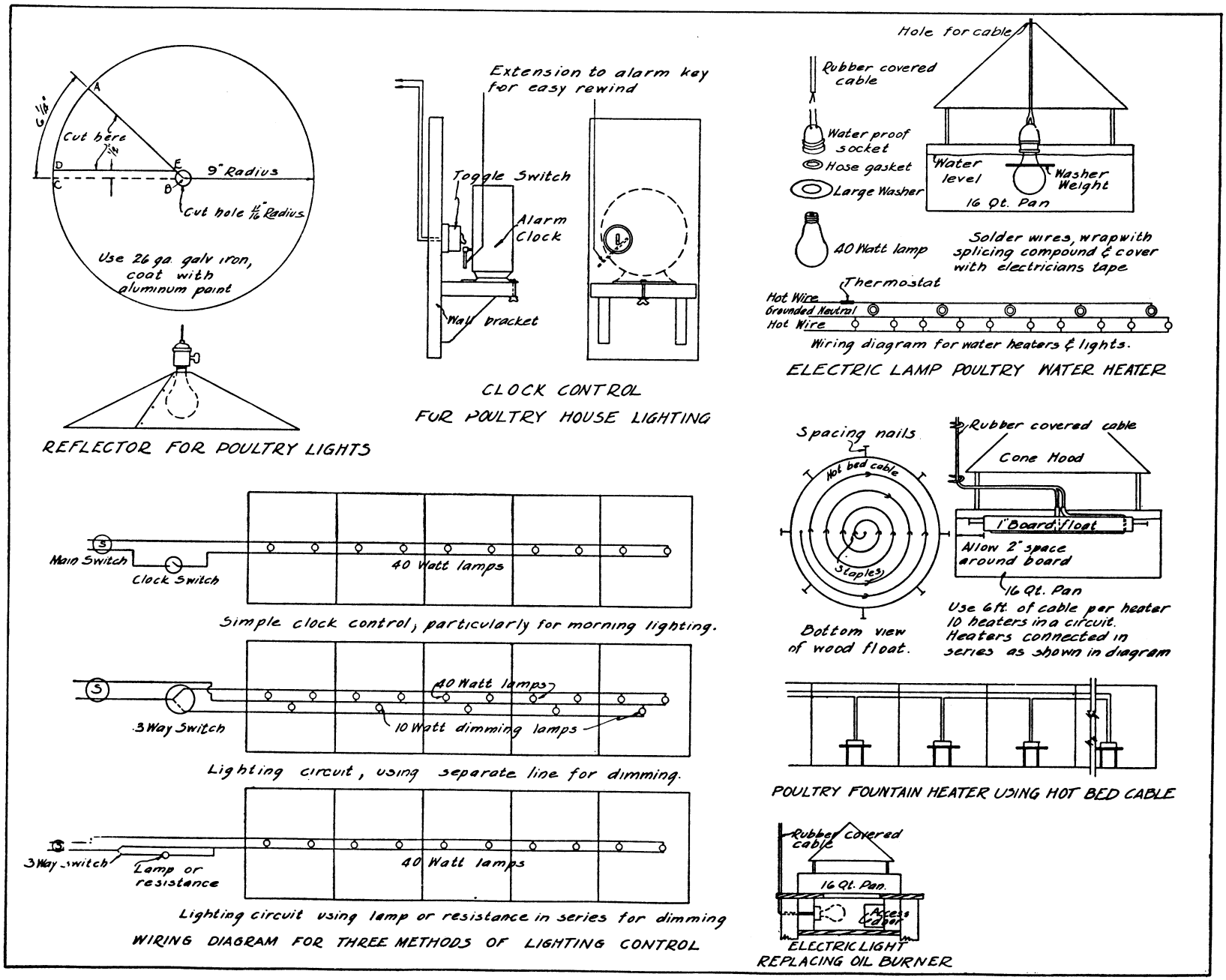
727 – 5133



TWO-STORY POULTRY HOUSE

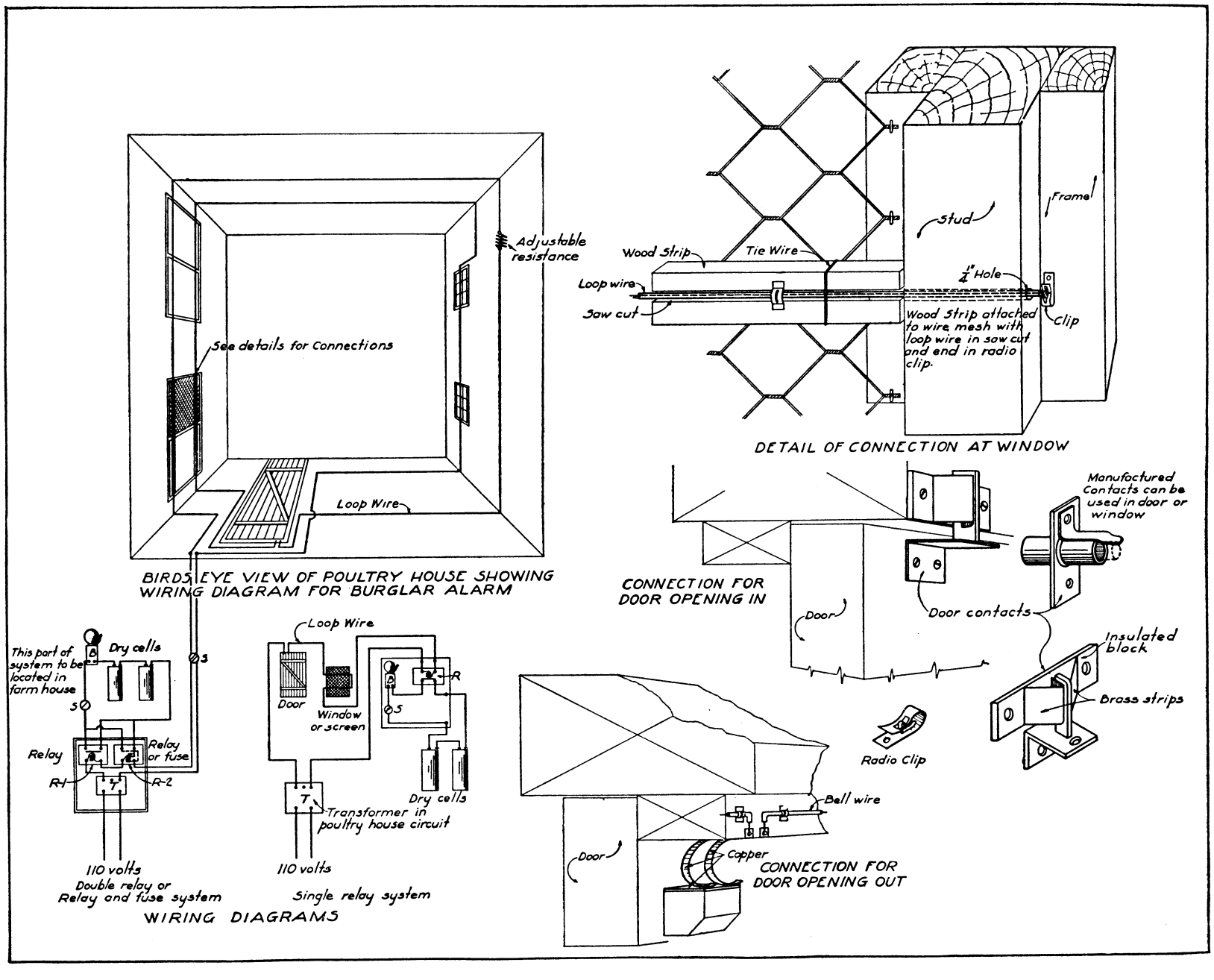
24- by 24-foot pens; 860 birds;
5 sheets.

DRAWING No.
7271-5136



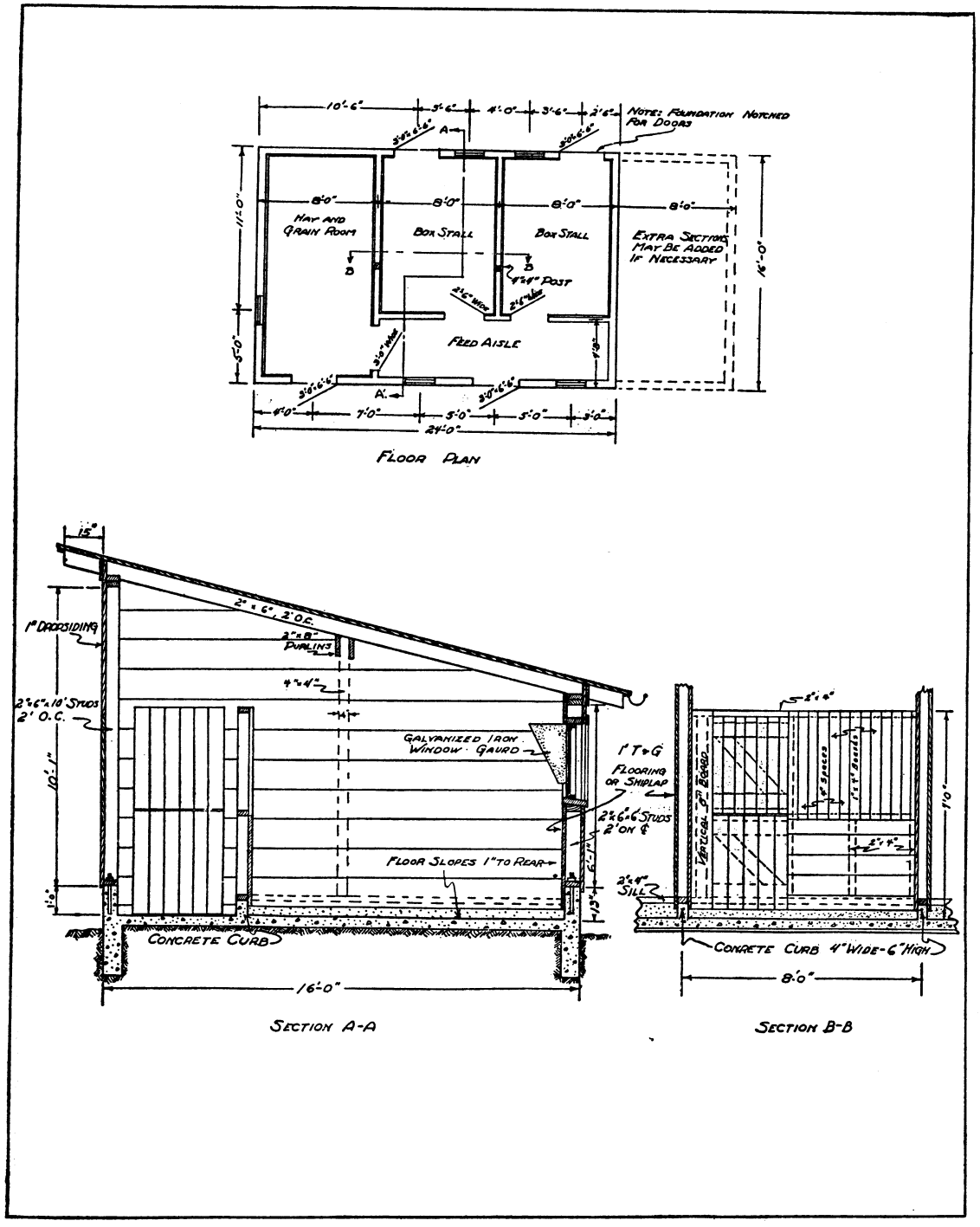
POULTRY LIGHTS AND WATER HEATER: 1 sheet.

DRAWING No.
7271-5137



POULTRY BURGLAR ALARM: 1 sheet.

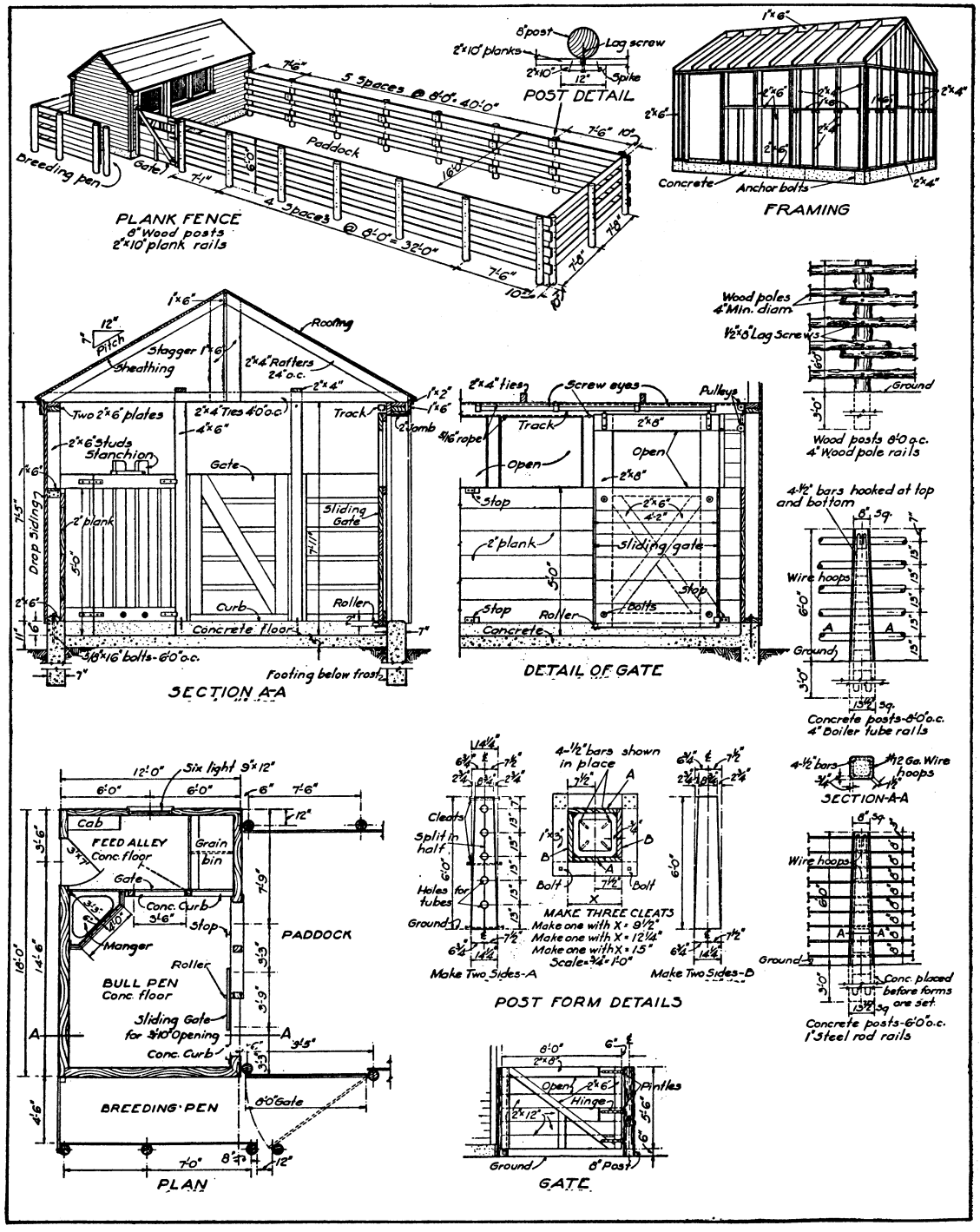
DRAWING No.
729 – 5138



ISOLATION BARN: 1 sheet.

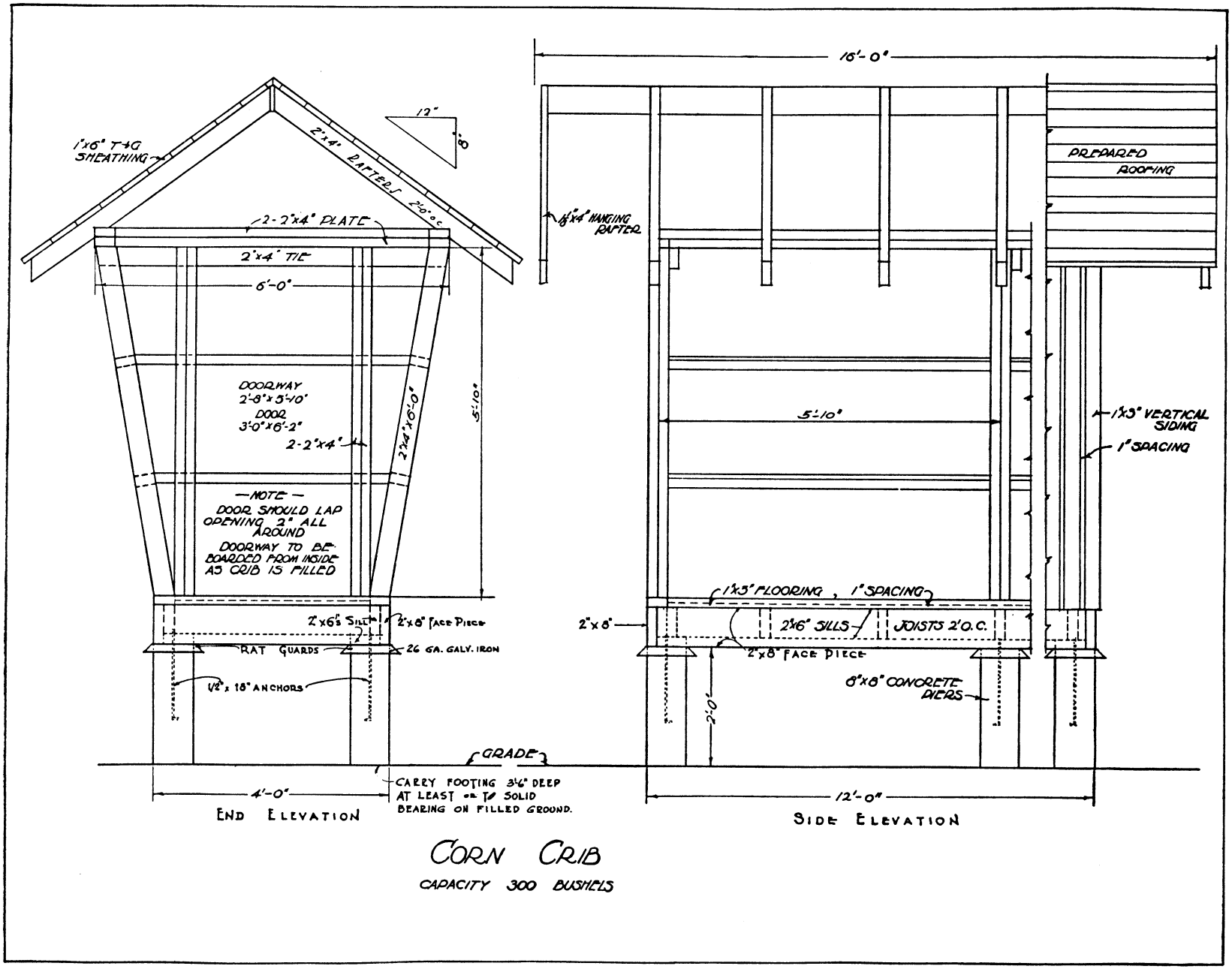
DRAWING No.

729 – 5143



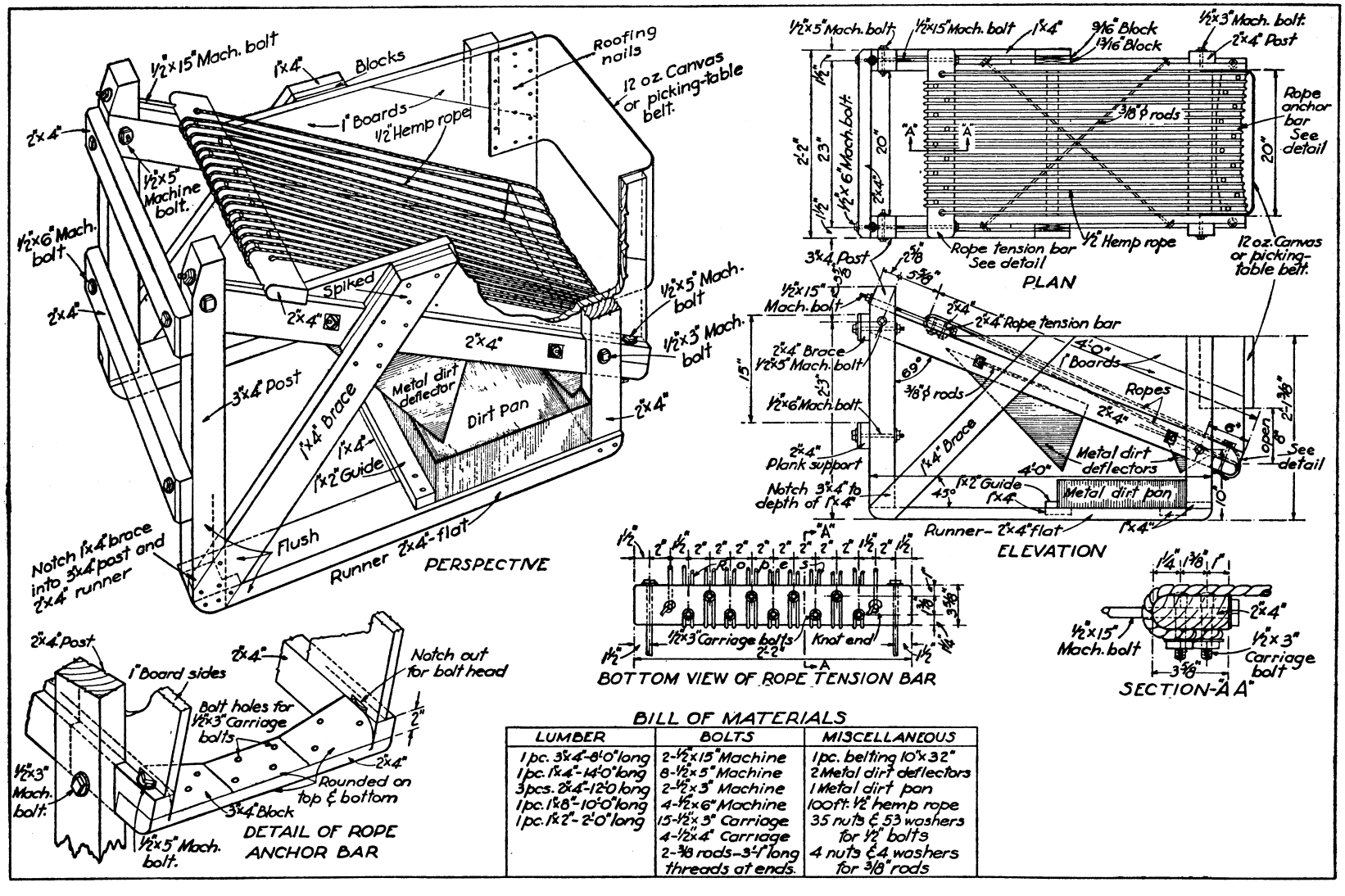
BULL PEN AND PADDOCK: 1 sheet.

DRAWING No.
732-5139



CORNCRIB: 300 bushels; 1 sheet.

DRAWING No.
734-5091

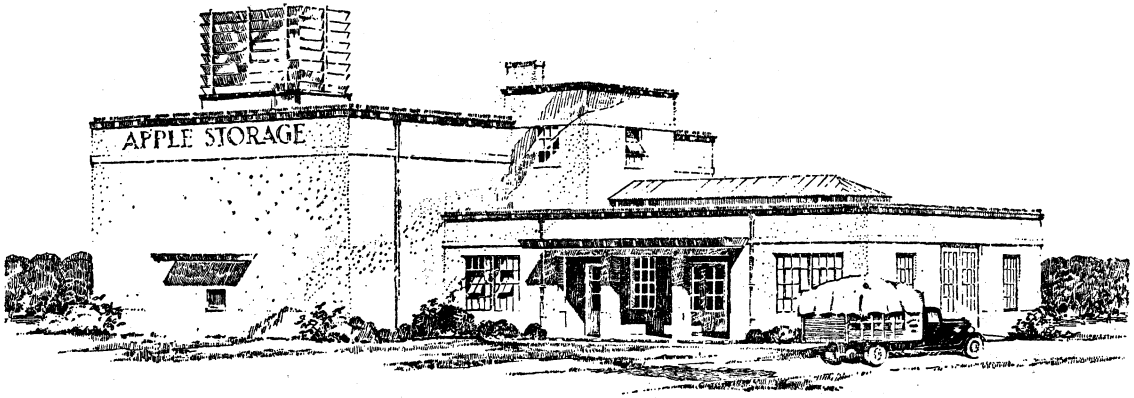


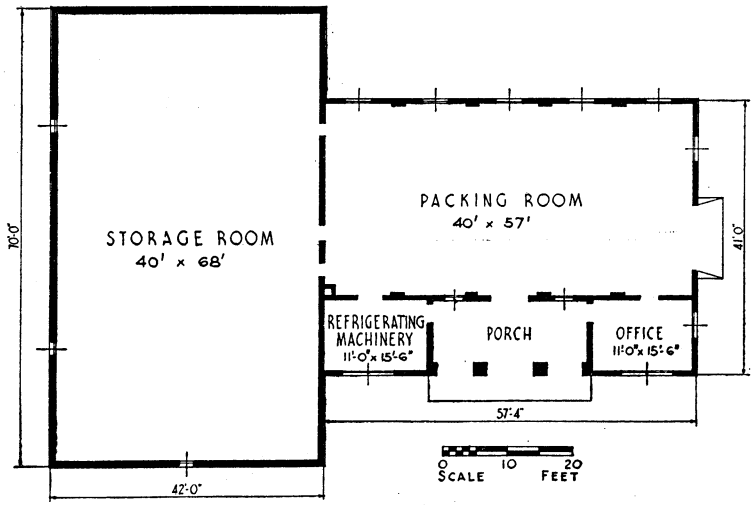
BILL OF MATERIALS

LUMBER	BOLTS	MISCELLANEOUS
1 pc. 3"x4"-8'0" long	2-1/2"x15" Machine	1 pc. belting 10"x32"
1 pc. 1"x4"-14'0" long	8-1/2"x5" Machine	2 Metal dirt deflectors
3 pcs. 2"x4"-12'0" long	2-1/2"x3" Machine	1 Metal dirt pan
1 pc. 1"x8"-10'0" long	4-1/2"x6" Machine	100 ft. 1/2" hemp rope
1 pc. 1"x2"-2'0" long	15-1/2"x3" Carriage	35 nuts & 53 washers for 1/2" bolts
	4-1/2"x4" Carriage	4 nuts & 4 washers for 3/8" rods
	2-3/8 rods-3'-1" long threads at ends.	

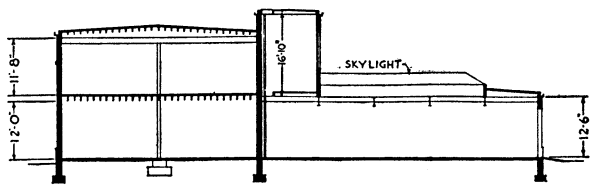
ROPE-BOTTOM POTATO HOPPER: 1 sheet.

DRAWING No.
734–5140





PLAN



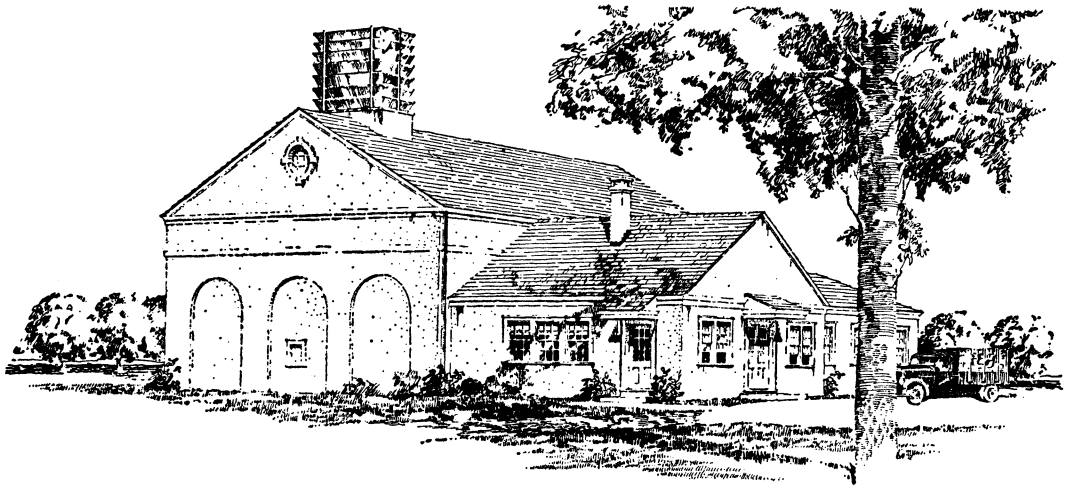
SECTION

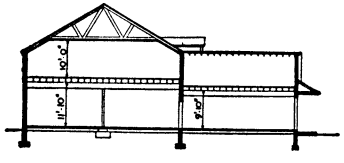
SCALE 0 10 20 FEET

REFRIGERATED APPLE STORAGE

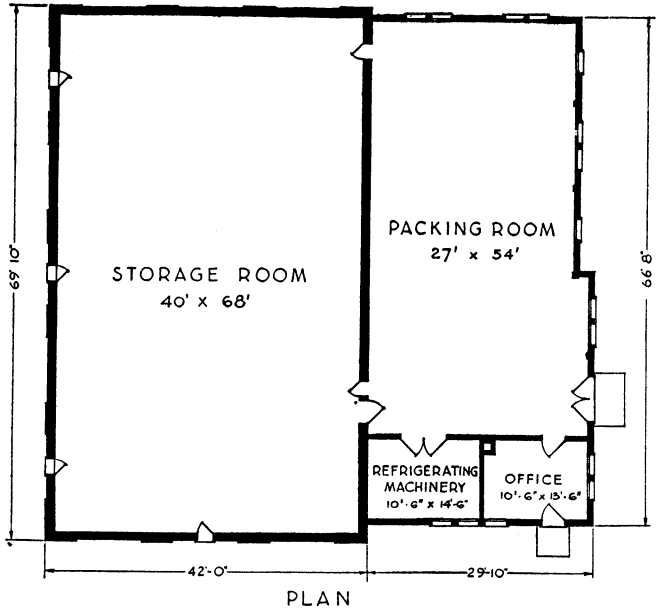
13,000 bushels; 3 sheets.

DRAWING No.
734 – 5141





SECTION



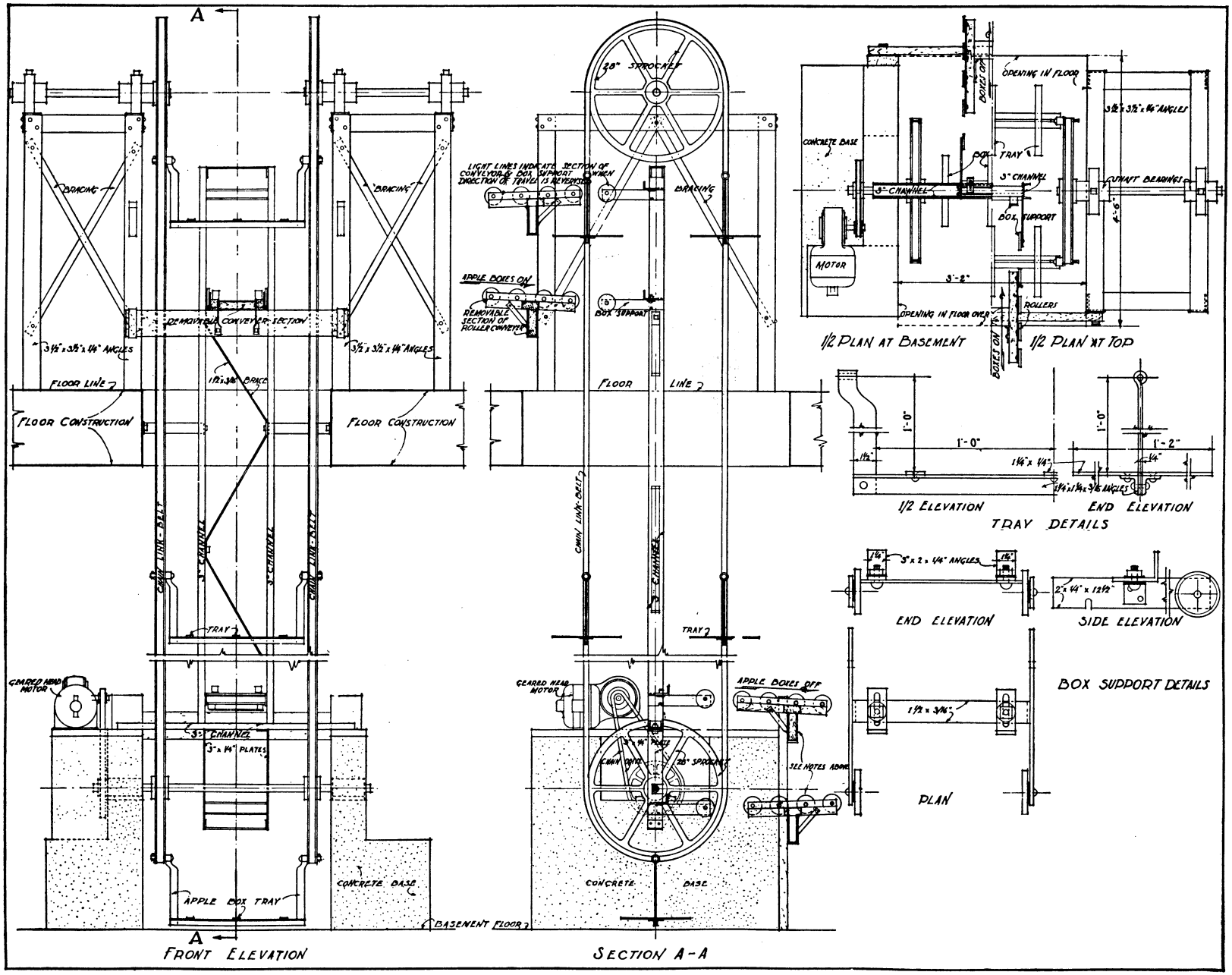
PLAN

SCALE 0 5 10 15 FEET

REFRIGERATED APPLE STORAGE

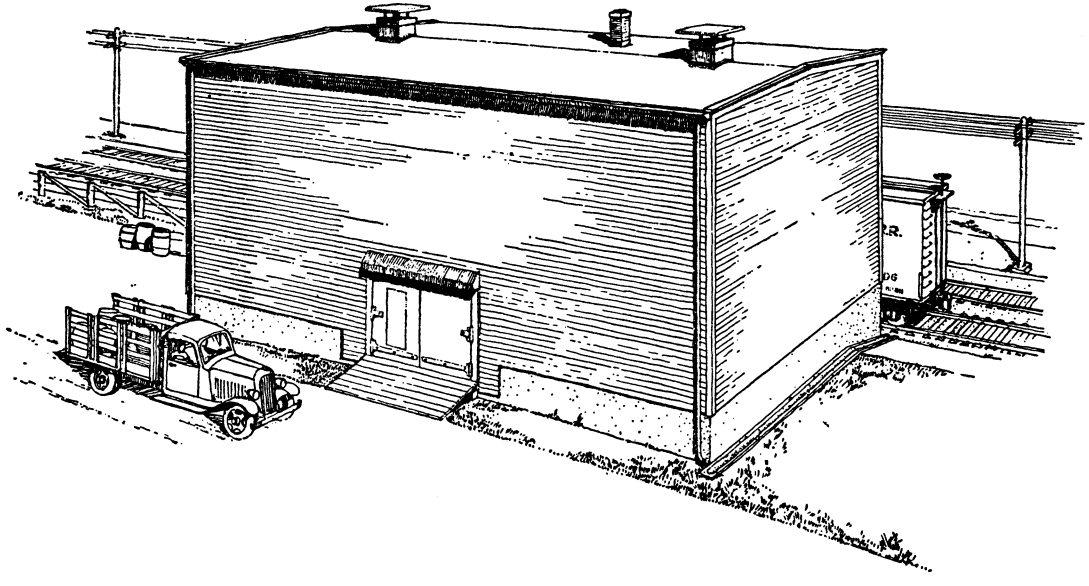
24,000 bushels; 5 sheets.

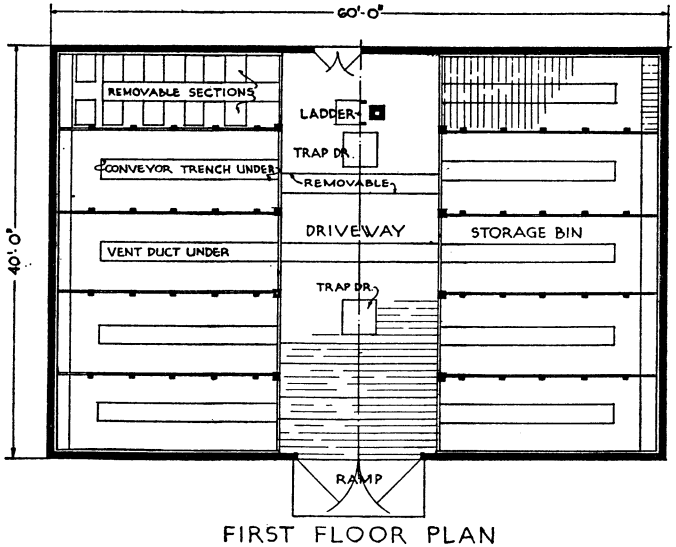
DRAWING No.
734--5142



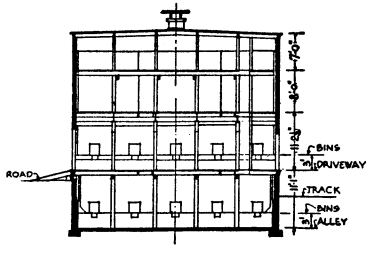
APPLE-BOX ELEVATOR: 1 sheet.

DRAWING No.
734-5144





FIRST FLOOR PLAN



SECTION

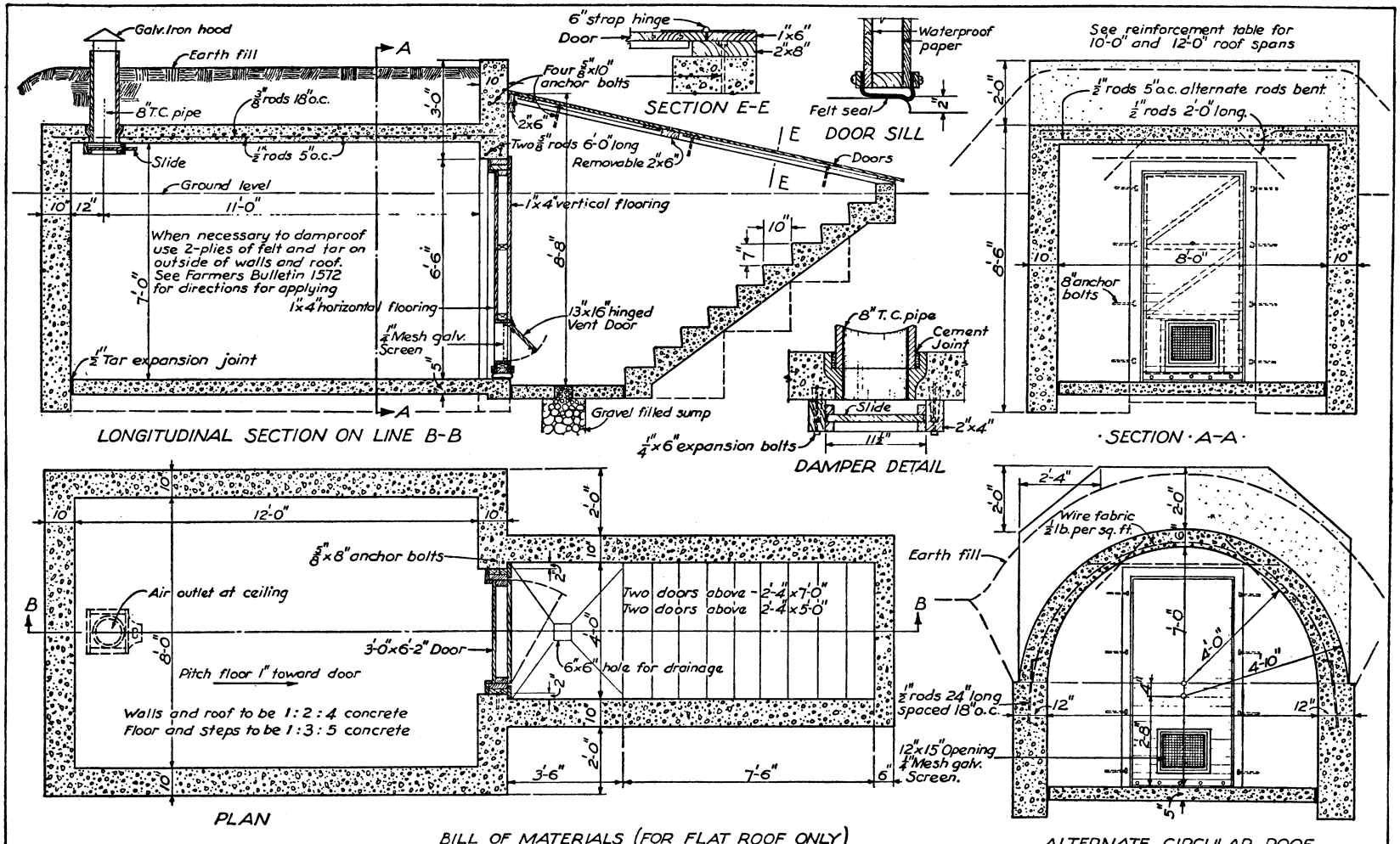
SCALE 0 10 20 FEET

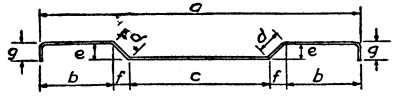
0 5 10 15 20
SCALE IN FEET FOR PLAN

TRACKSIDE POTATO HOUSE

12,500 barrels; 5 sheets.

DRAWING No.
734 – 5176





BILL OF MATERIALS (FOR FLAT ROOF ONLY)

2-2"x8"x12'-0" plates.
3-2"x6"x14'-0" door frames
3-2"x6"x10'-0" frame & girts.
2-2"x4"x14'-0" door
1-2"x4"x16'-0" frame & braces
1-1"x12"x18" vent slides
4-1"x4"x14'-0" casing
3-1"x6"x12'-0" casings & battens
125 ft. B.M. 1"x4" T.&G. flooring

1- 5/8"x1 3/4" door seal cover
1-12" G.I. vent hood
8-6" strap hinges
2-4" Tee hinges
3-8" Tee hinges
10-5/8"x10" anchor bolts
8-5/8"x8" anchor bolts
4-1/4"x6" expansion bolts

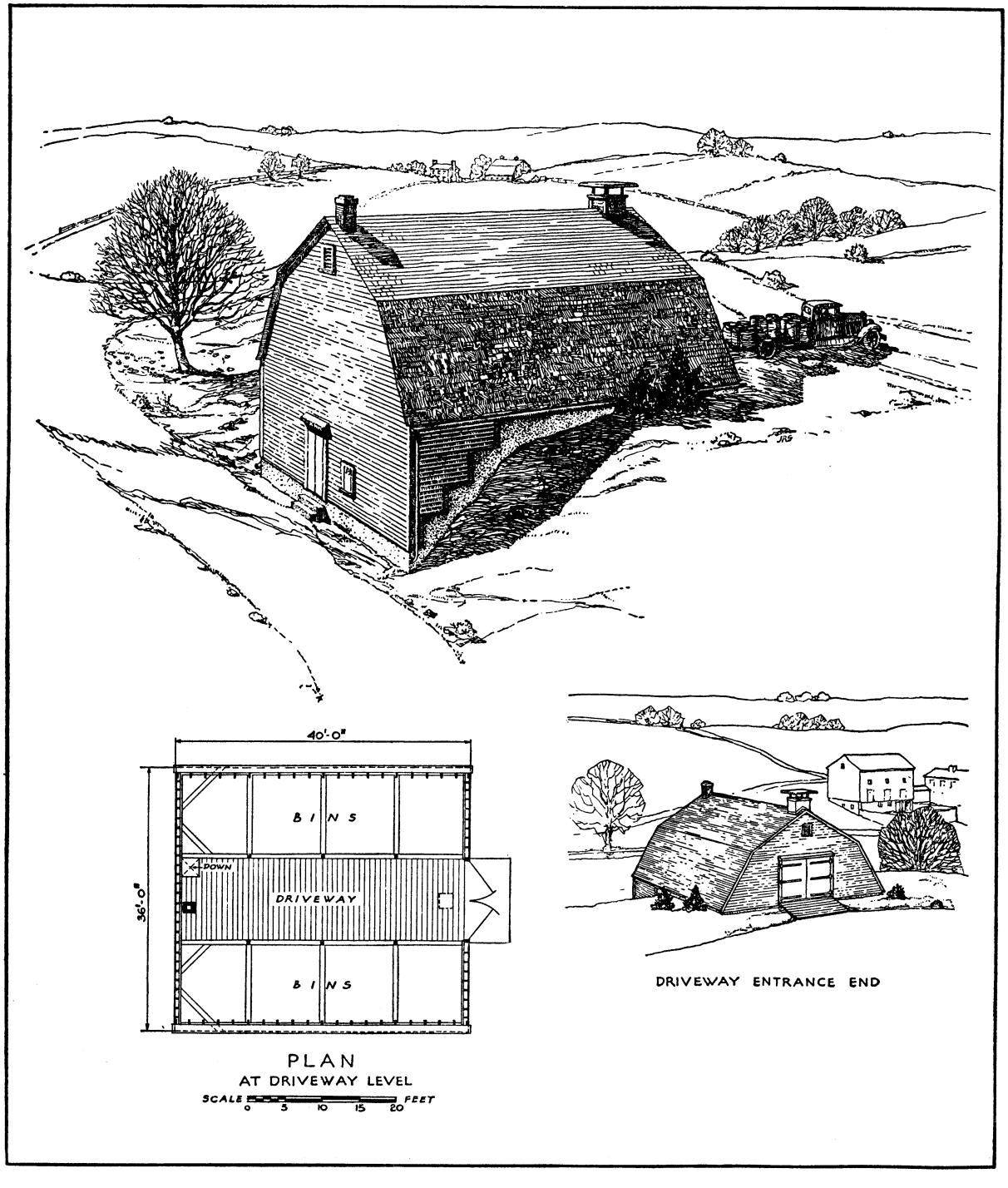
3 doz. 1 1/2" wood screws
1-12"x15" piece 1/4" mesh galv. screen
150 lb. tar expansion joint.
40 sq. ft. waterproof paper
4 lb. 8 d. nails
1 length 8" T.C. pipe 3'-0" long.
1 piece 12"x4'-0" felt door seal

Form lumber not included.

BEND 1/2" RODS OF FIRST COLUMN AS BELOW									ROOF REINFORCEMENT					LINTEL	CONCRETE		
Span	a	b	c	d	e	f	g	Slab	1/2" bent	1/2" straight	Spacing	3/8" temp.	1/2" straight	1/2" straight	Cement	Sand	Gravel
8'-0"	9'-0"	2'-2 1/2"	4'-0"	5"	3 1/2"	3 1/2"	4"	5 1/2"	14-10'-6" long	14-9'-0" long	5"	6-13'-0" long	4-3'-0" long	2-8'-0" long	118 bags	9 cu. yd.	17 cu. yd.
10'-0"	11'-0"	2'-7 1/2"	5'-0"	6 1/2"	4 1/2"	4 1/2"	5 1/2"	6 1/2"	17-13'-0" long	17-11'-0" long	4 1/2"	8-13'-0" long	4-3'-0" long	2-8'-0" long	130 bags	10 cu. yd.	19 cu. yd.
12'-0"	13'-0"	3'-0"	6'-0"	8 1/2"	6"	6"	3 1/2"	8"	23-15'-0" long	23-13'-0" long	3 1/2"	10-13'-0" long	4-3'-0" long	2-8'-0" long	145 bags	11 cu. yd.	22 cu. yd.

POTATO CELLAR: 10 by 14 feet; 250 to 350 bushels; 1 sheet.

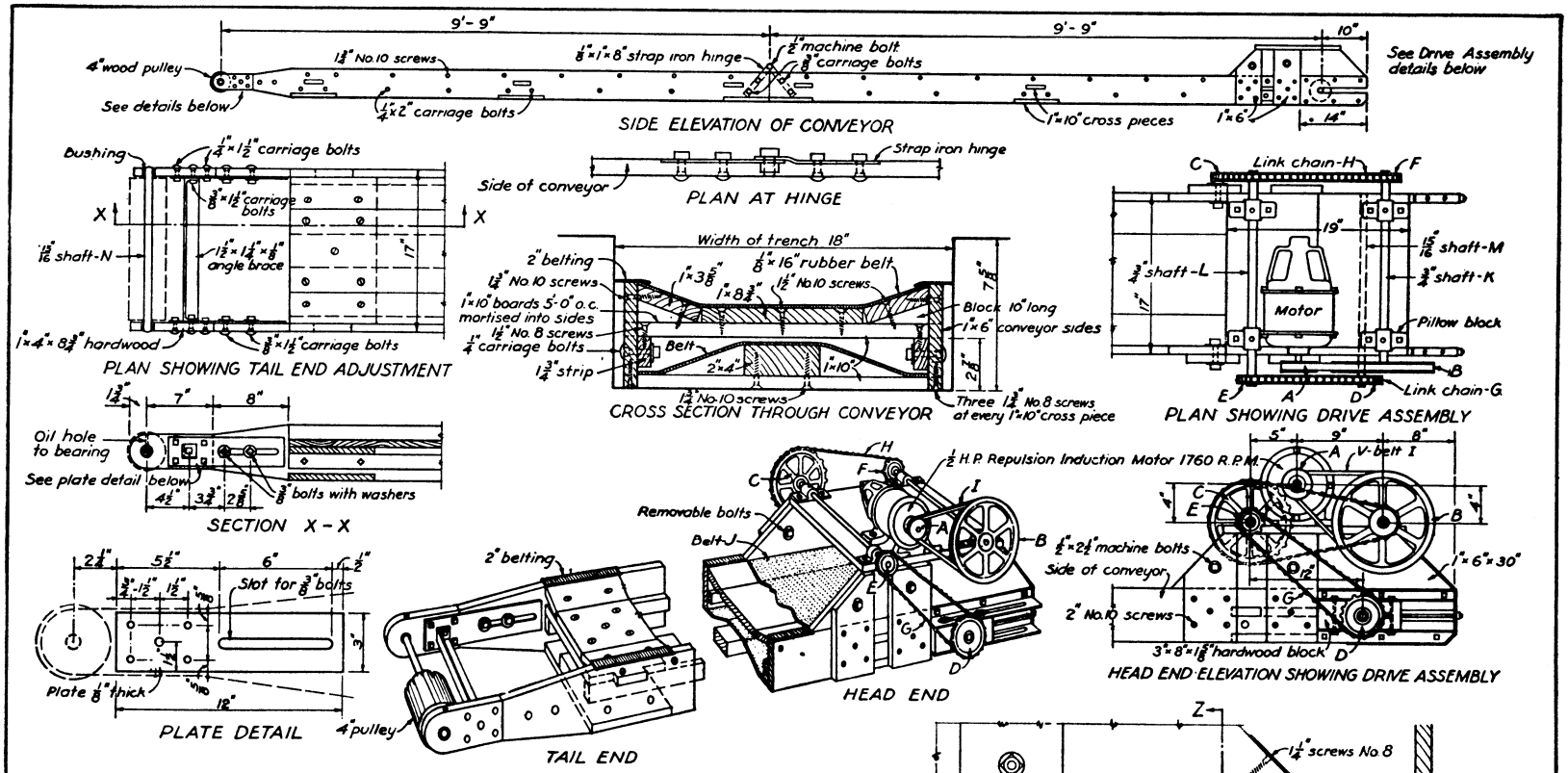
DRAWING No.
734–5413



FARM POTATO HOUSE

5,000 barrels; 5 sheets.

DRAWING No.
734-5418



BILL OF MATERIALS

LUMBER

2 - 1"×6"×12'-0"	Conveyor sides.
2 - 1"×6"×14'-0"	Conveyor sides, platform sides and cleats.
4 - 1"×10"×10'-0"	Cross pieces and trough bottom.
2 - 2"×4"×12'-0"	Belt support and wedges.
4 - 1"×4"×10'-0"	Trough sides.
4 - 1"×2"×10'-0"	Side cleats.
All above lumber clear white pine.	
1"×10"×3'-0"	Hardwood, Motor platform.
1"×4"×2'-0"	Hardwood, Tail end bearing blocks.
2"×4"×1'-6"	Hardwood, Head end bearing blocks.

MISCELLANEOUS

- 1 - Repulsion Induction Motor, ½-H.P.-1760 R.P.M.
- 1 - A - 2" pulley with set screw, for ¼" V-belt - For motor.
- 1 - B - 10" pulley with set screw, for ¼" V-belt.
- 1 - C - 25 tooth sprocket for No. 32 chain, 9¼" Pitch Diam. 2 set screws
- 1 - D - 15 tooth sprocket for No. 32 chain, with keyway. 5¼" R.D.
- 1 - E - 8 tooth sprocket for No. 32 chain, 3" Pitch Diam. 2 set screws
- 1 - F - 8 tooth sprocket for No. 32 chain, 3" Pitch Diam. 2 set screws.
- 1 - G - 44" No. 32 Steel Hook Link Chain (10.4 links per foot).
- 1 - H - 48" No. 32 Steel Hook Link Chain (10.4 links per foot)
- 1 - I - ¼"×48" V-belt.
- 1 - J - 3/8"×16"×40'-0" 3-ply Endless Rubber Belt 34'-0"-2" belting - Top of conveyor sides.

1 - K - 3/4"×21"	Cold rolled shaft.
1 - L - 3/4"×22"	Cold rolled shaft.
1 - M - 15/16"×22½"	Cold rolled shaft - with keyway.
1 - N - 15/16"×17"	Cold rolled shaft.
2 -	15"×4" Wood pulley for 15/16" shaft - tight.
4 -	Pillow blocks for ¾" shafts - with oilers.
4 -	15/16" Bushings in hardwood - with oilers.
4 -	3/8"×4½" Sq. head bolts & washers - Head bearing blocks.
8 -	3/8"×3" Sq. head bolts & washers - For pillow blocks.
8 -	1/4"×1½" Carriage bolts - Tail end adjustment.
16 -	3/8"×1½" Carriage bolts & washers - Tail end adjustment.
12 -	1/4"×4" Carriage bolts. Head end guides.
4 -	1/4"×2½" Machine bolts & washers - Head end.
30 -	1/4"×2" Carriage bolts & washers - For 1¾" side strip.
2 -	1/4"×1" Machine bolts - For hinge.
8 -	3/8"×1¼" Carriage bolts - For hinge.
12 -	1¼" No. 8 Wood screws - Head end.
36 -	1½" No. 8 Wood screws - Cross pieces
36 -	1¾" No. 8 Wood screws - Cross pieces.
54 -	1½" No. 10 Wood screws - Trough bottom & sides.
66 -	1¼" No. 10 Wood screws - Conveyor bottom & sides.
32 -	2" No. 10 Wood screws - Head end.
2 -	3/8"×12" Round rods - threads & nut at each end

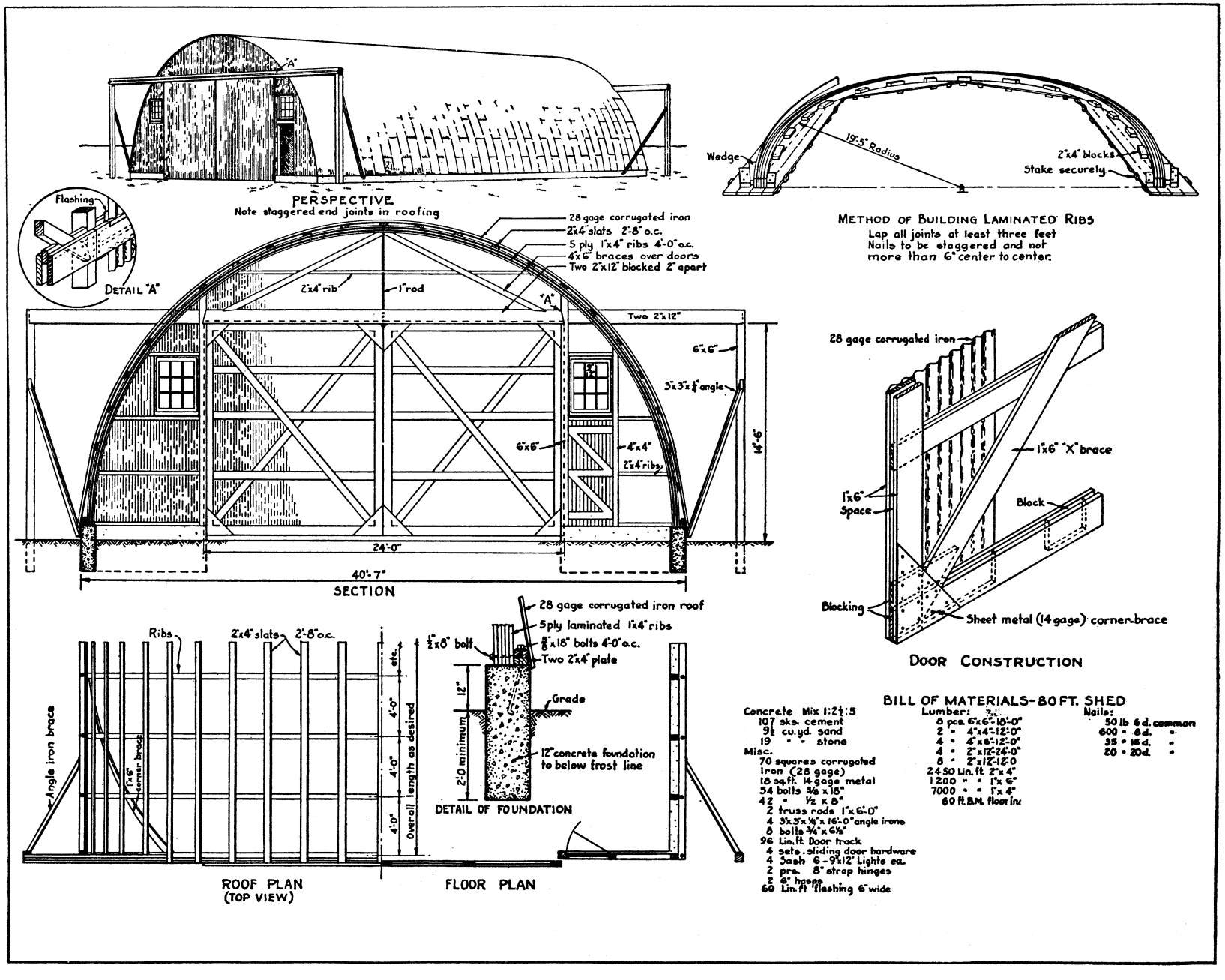
NOTE

The Drive Assembly shown will give a conveyor belt speed of 60 feet per minute

If other sizes of pulleys or gears are used, sizes must be such as to give the conveyor belt a speed of about 60 ft per minute.

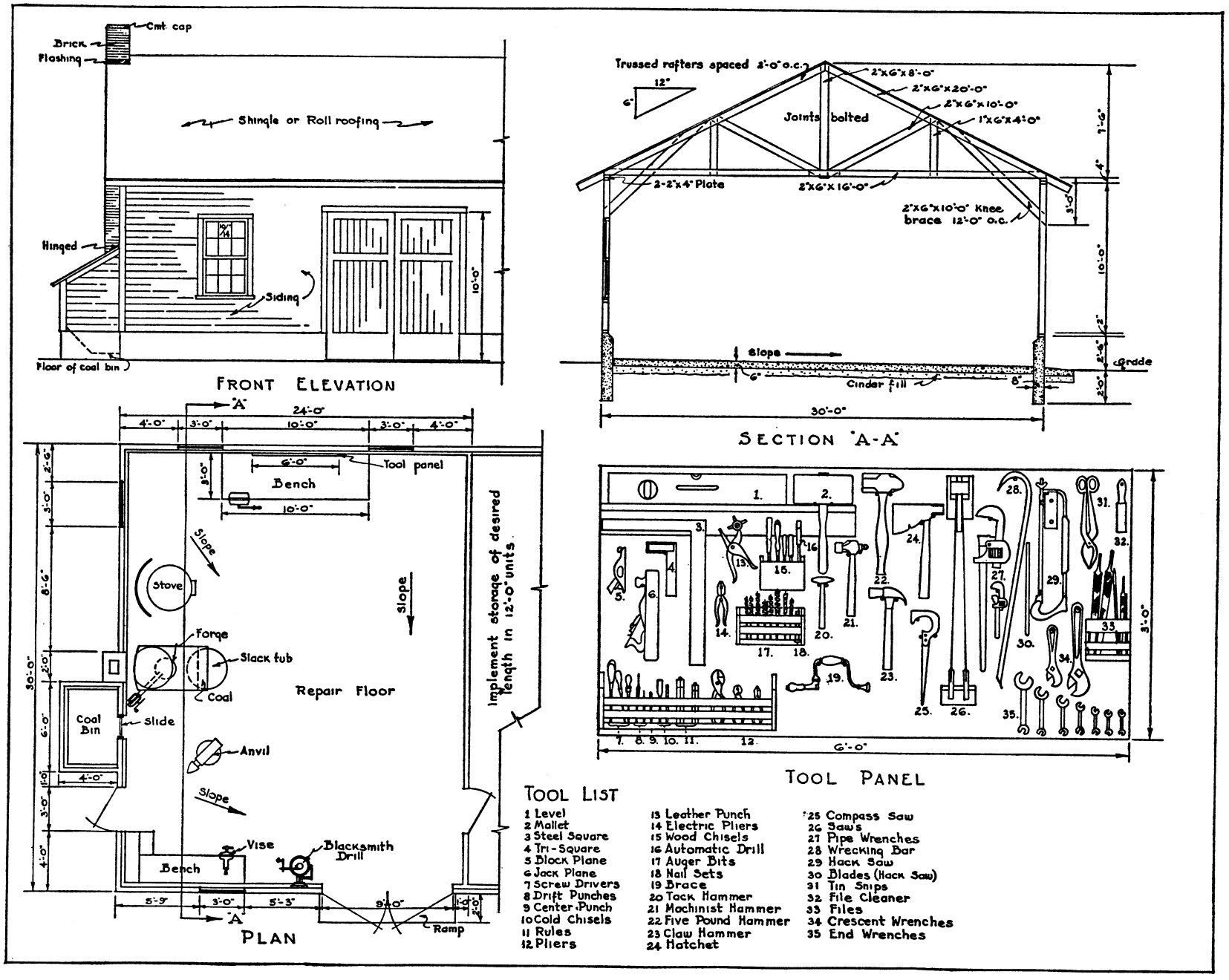
PORTABLE POTATO CONVEYOR: 1 sheet.

DRAWING No.
741 – 5145



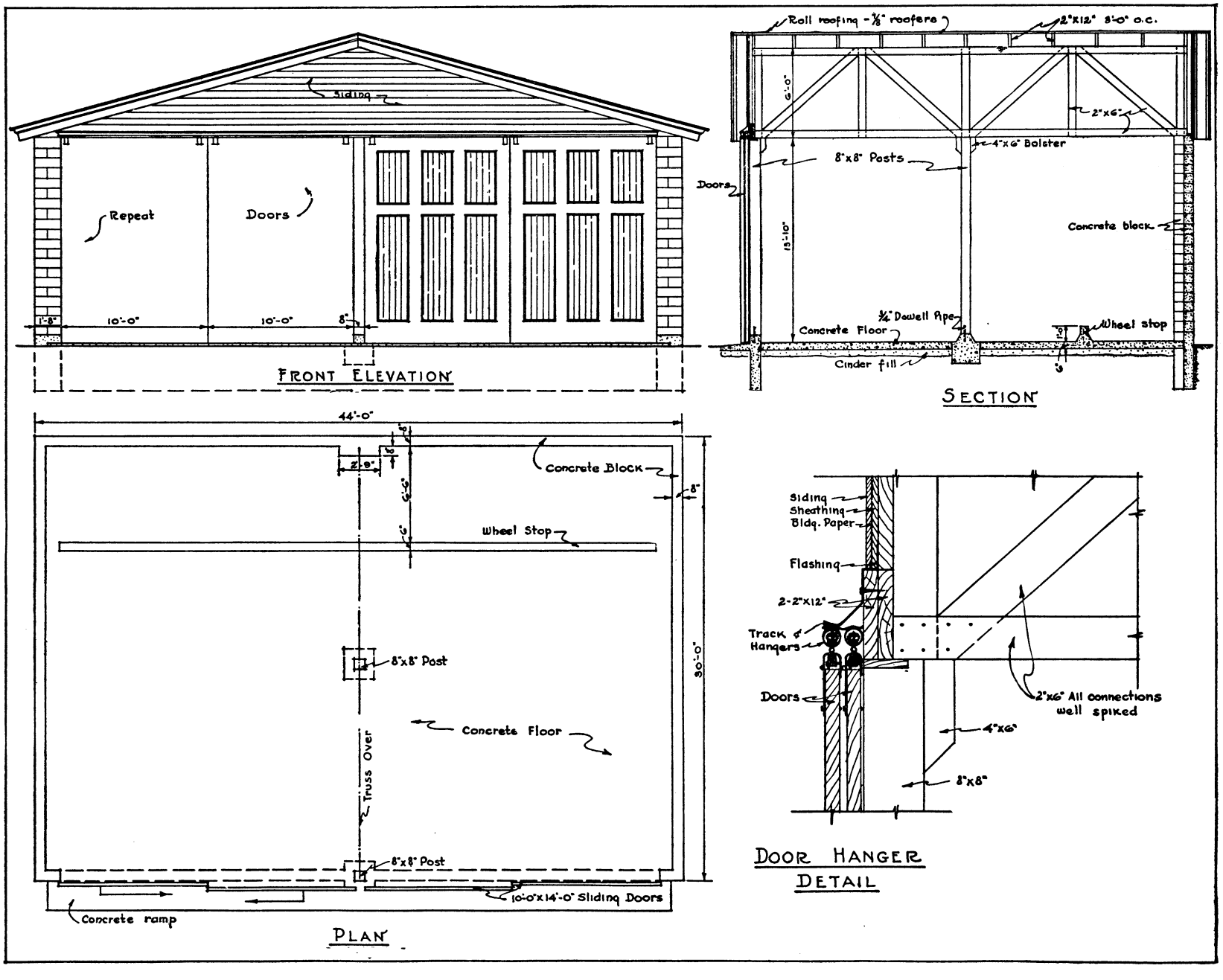
STORAGE SHED: Semicircular; 1 sheet.

DRAWING No.
741 – 5146



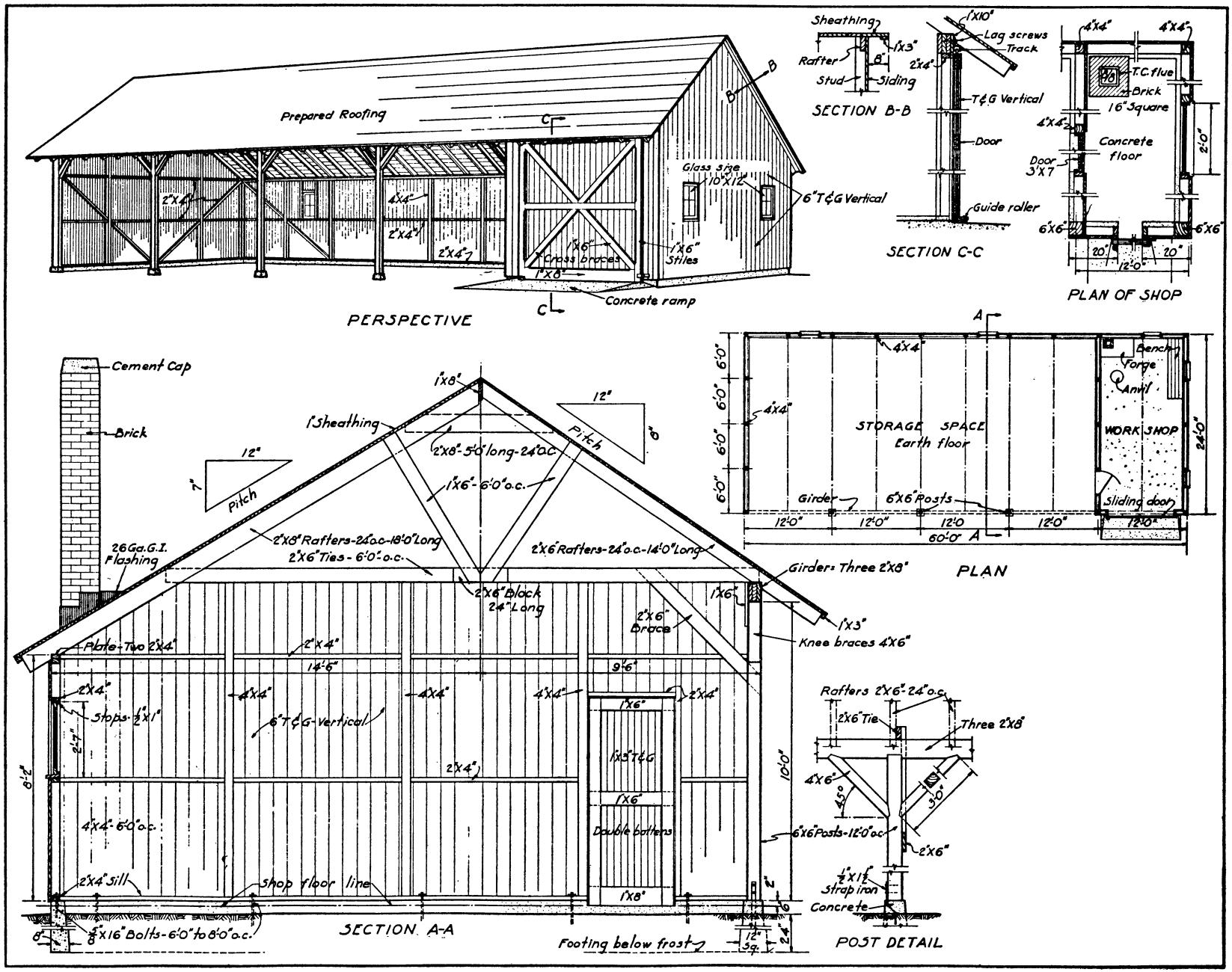
FARM SHOP: 1 sheet.

DRAWING No.
741 – 5147



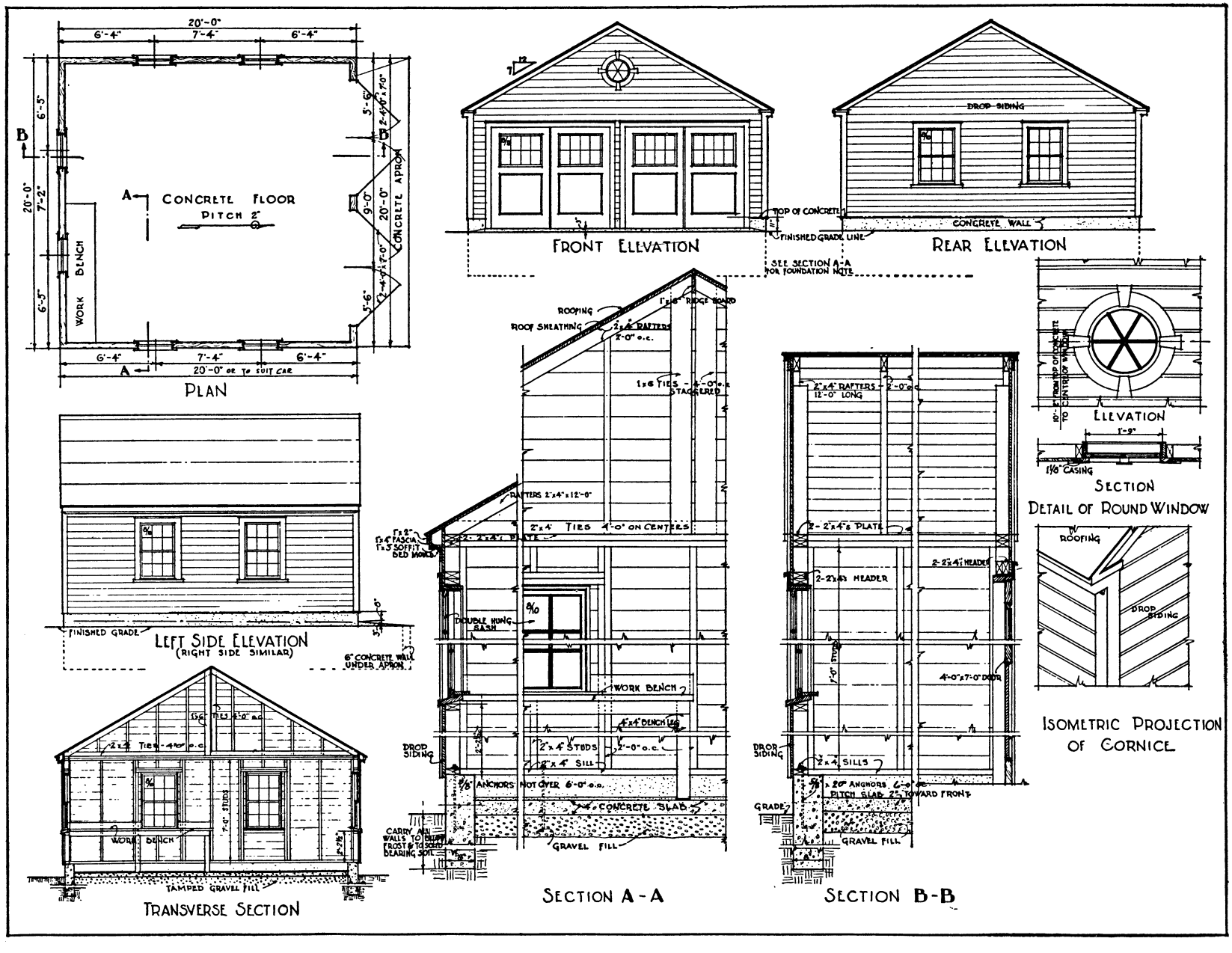
TRUCK GARAGE: 1 sheet.

DRAWING No.
741 – 5148



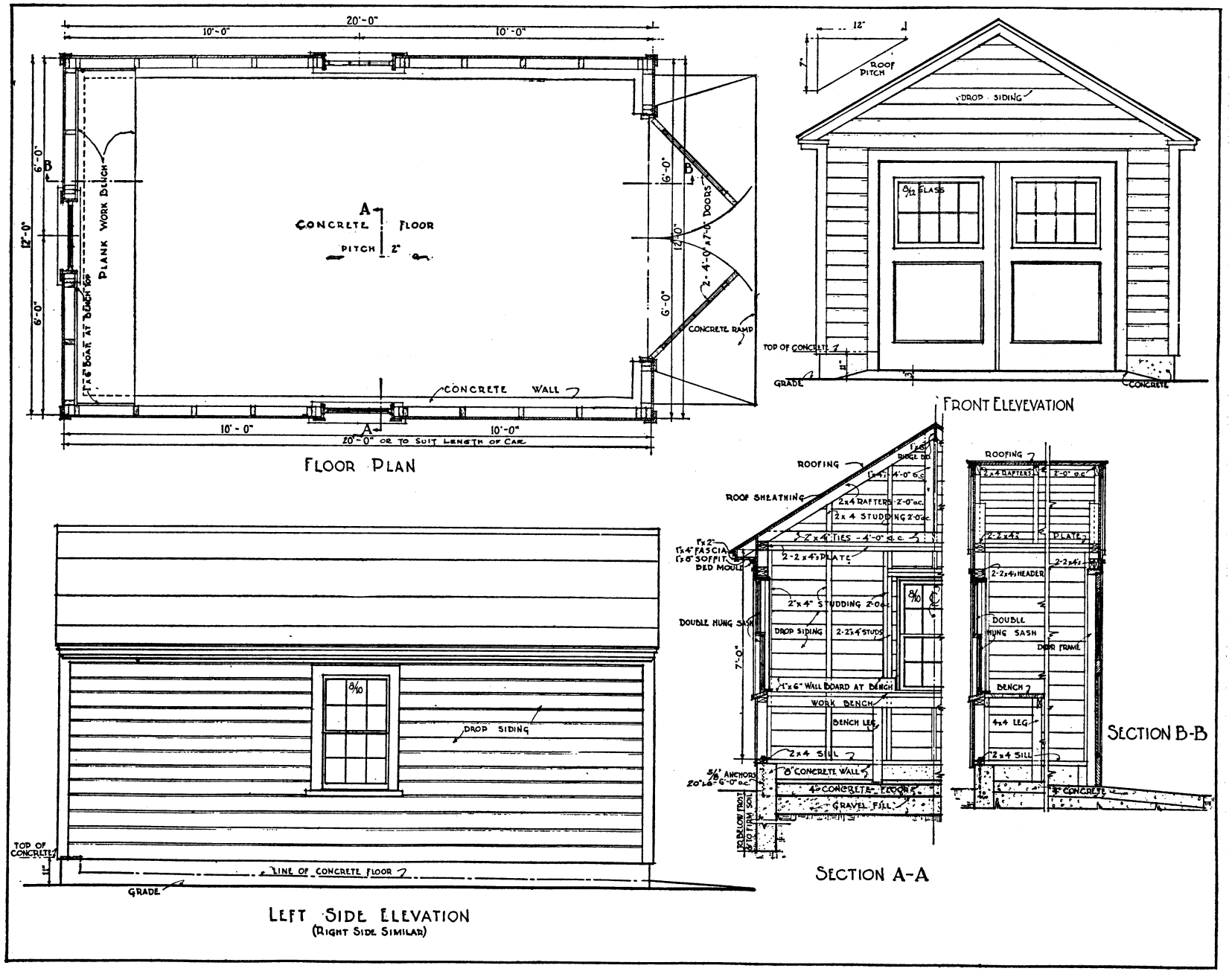
MACHINERY SHED: 1 sheet.

DRAWING No.
741 – 5149



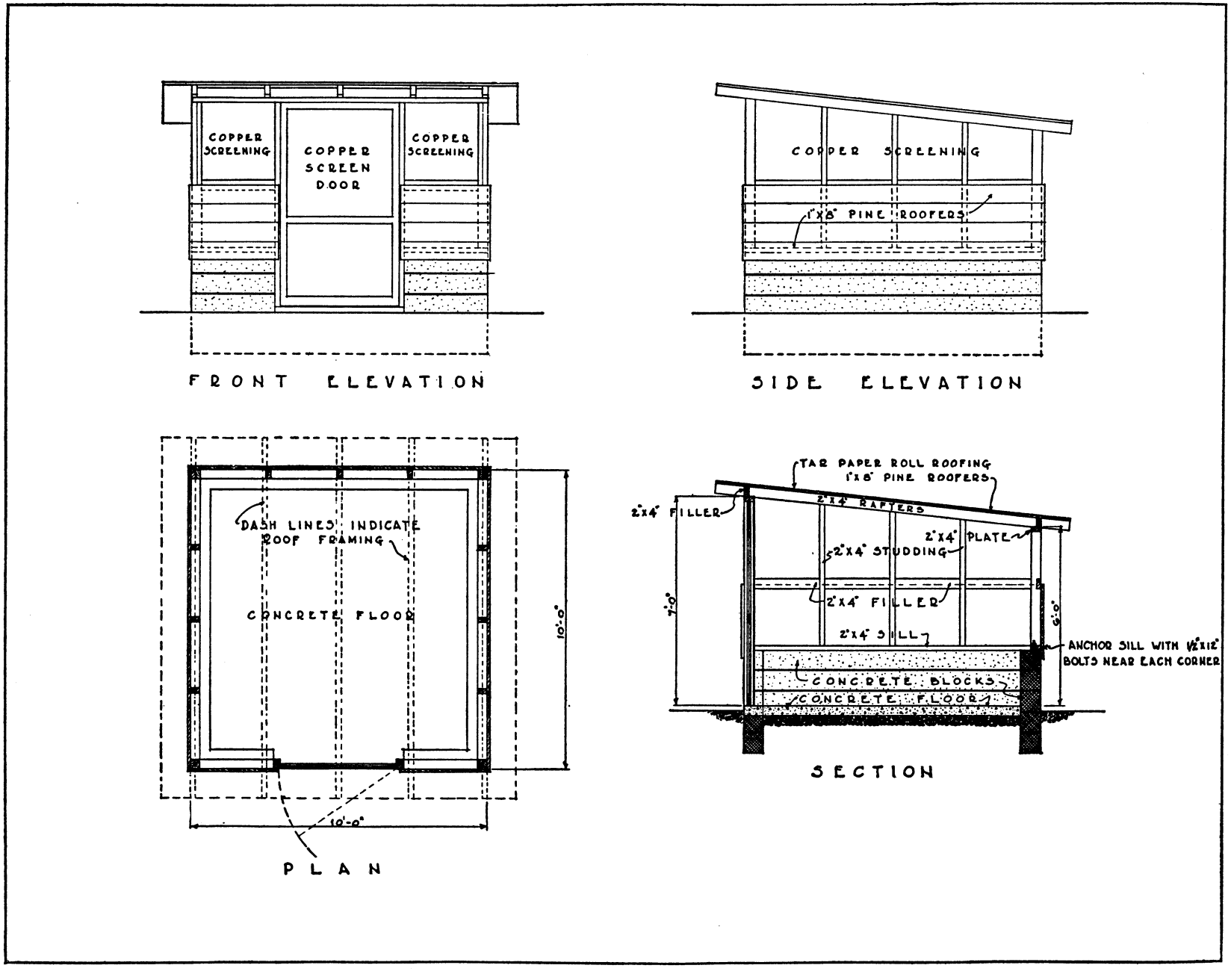
TWO-CAR GARAGE: 1 sheet.

DRAWING No.
741 – 5150



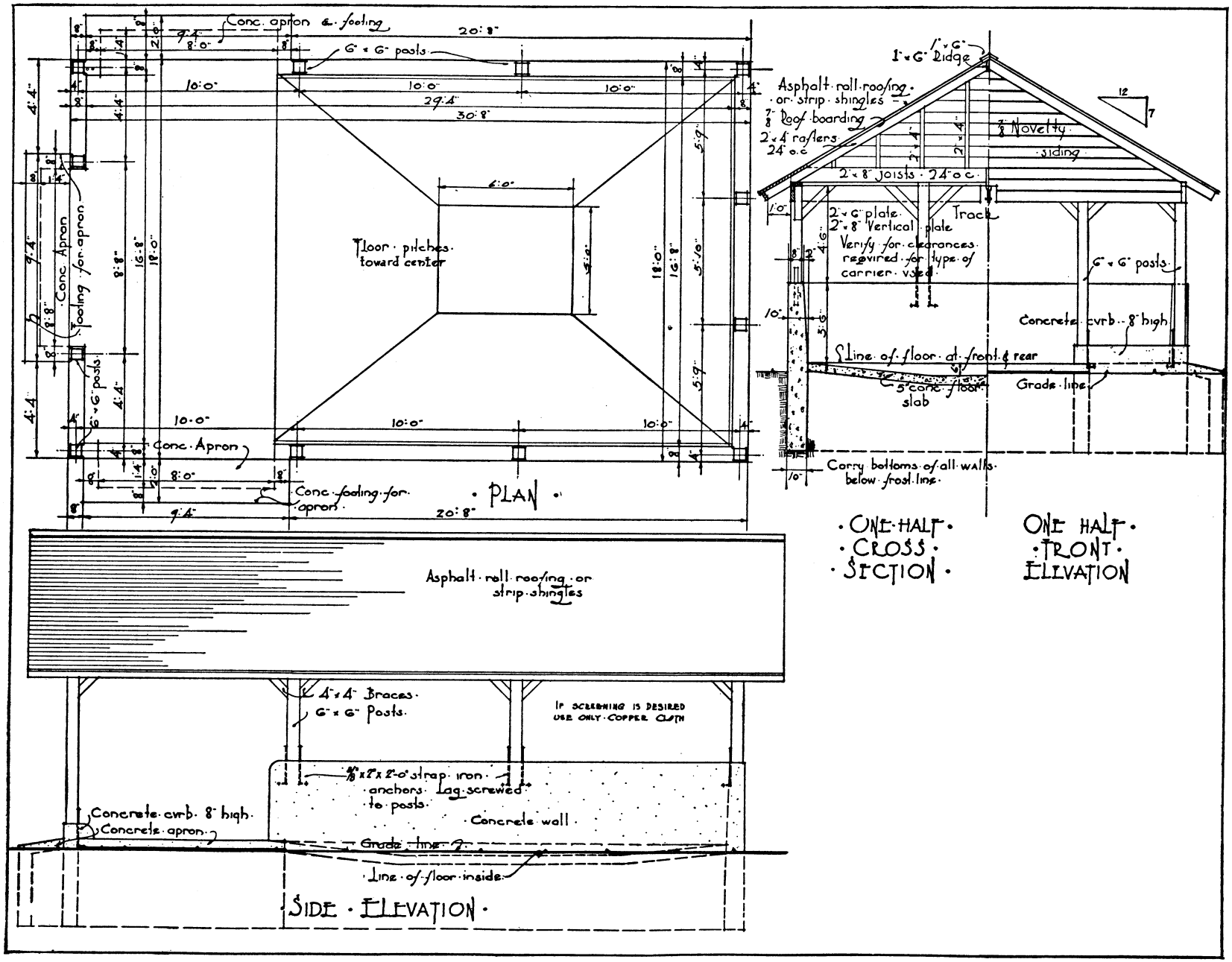
ONE-CAR GARAGE: 1 sheet.

DRAWING No.
743-5135



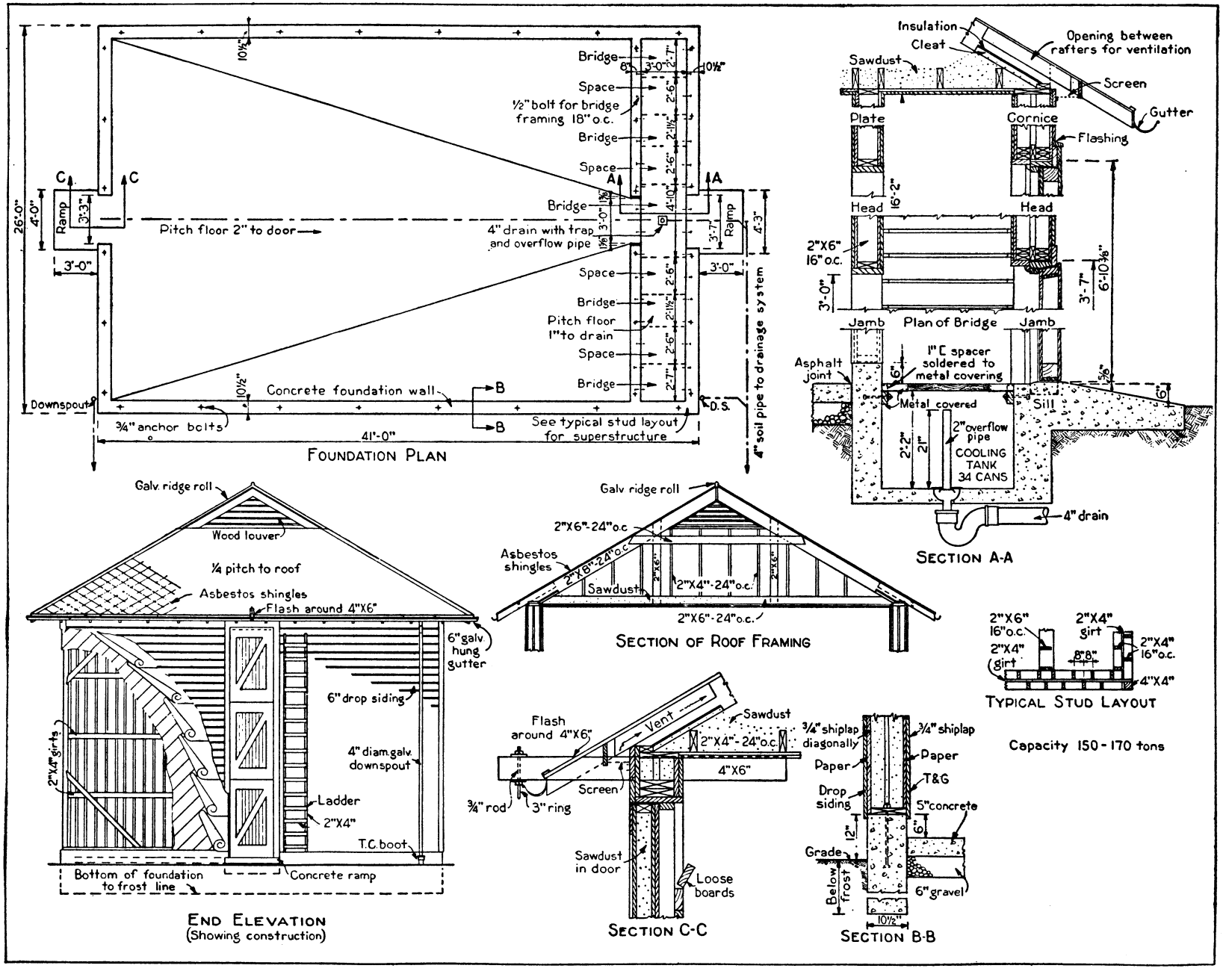
POULTRY-MANURE HOUSE: 1,000-bird plant; 1 sheet.

DRAWING No.
743 – 5151



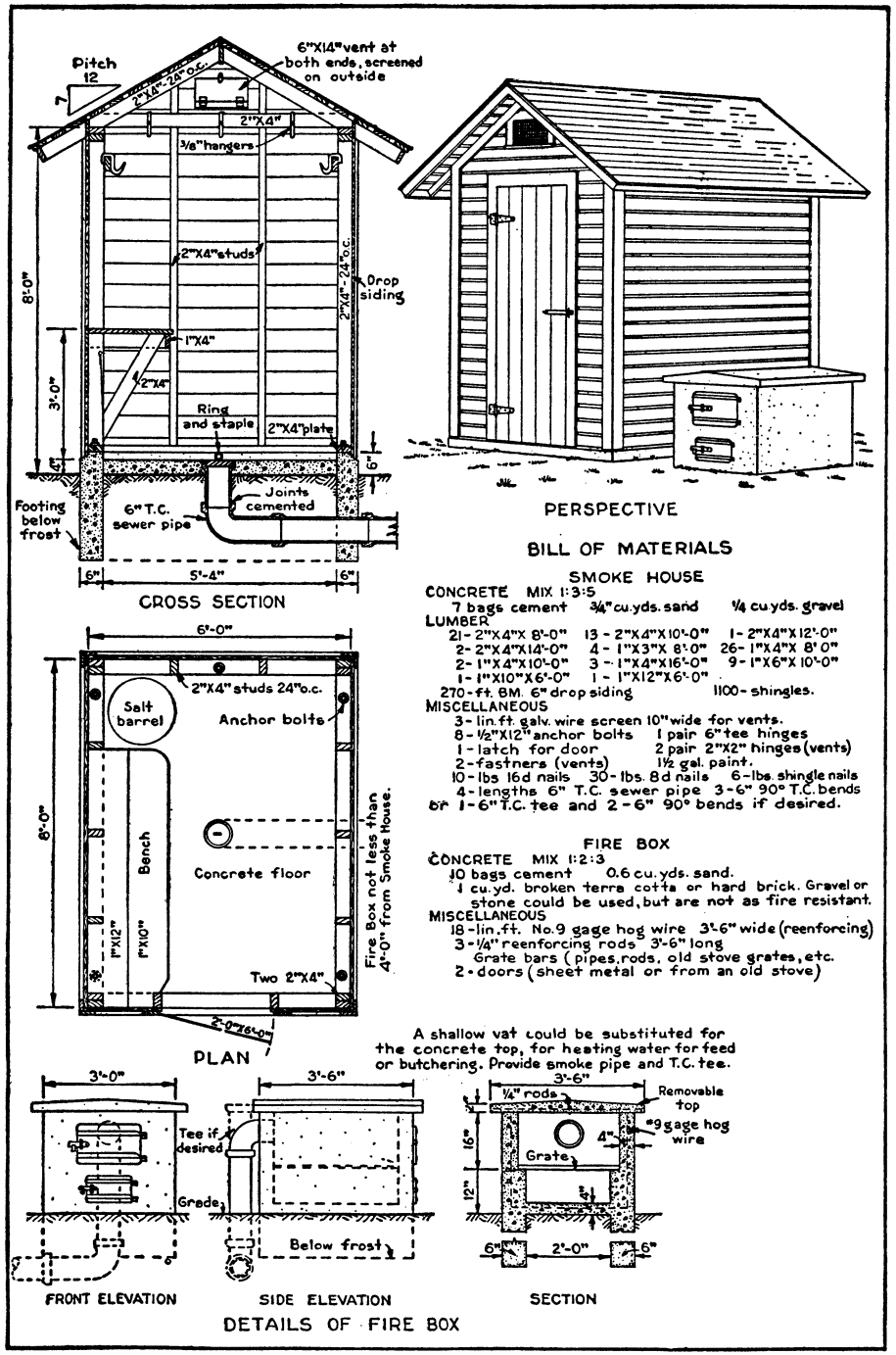
MANURE PIT: 60 cows, 2 weeks; 1 sheet.

DRAWING No.
744-5038



ICE HOUSE: 150 to 170 tons; 1 sheet.

DRAWING No.
751 – 5029



BILL OF MATERIALS

SMOKE HOUSE

CONCRETE MIX 1:3:5
7 bags cement 3/4" cu.yds. sand 1/4 cu.yds. gravel

LUMBER
21 - 2"X4"X 8'-0" 13 - 2"X4"X 10'-0" 1 - 2"X4"X 12'-0"
2 - 2"X4"X 14'-0" 4 - 1"X3"X 8'-0" 26 - 1"X4"X 8'-0"
2 - 1"X4"X 10'-0" 3 - 1"X4"X 16'-0" 9 - 1"X6"X 10'-0"
1 - 1"X10"X 6'-0" 1 - 1"X12"X 6'-0"
270 - ft. BM. 6" drop siding 1100 - shingles.

MISCELLANEOUS
3 - lin. ft. galv. wire screen 10" wide for vents.
8 - 1/2"X12" anchor bolts 1 pair 6" tee hinges
1 - latch for door 2 pair 2"X2" hinges (vents)
2 - fastners (vents) 1 1/2 gal. paint.
10 - lbs 16d nails 30 - lbs. 8d nails 6 - lbs. shingle nails
4 - lengths 6" T.C. sewer pipe 3 - 6" 90° T.C. bends
or 1 - 6" T.C. tee and 2 - 6" 90° bends if desired.

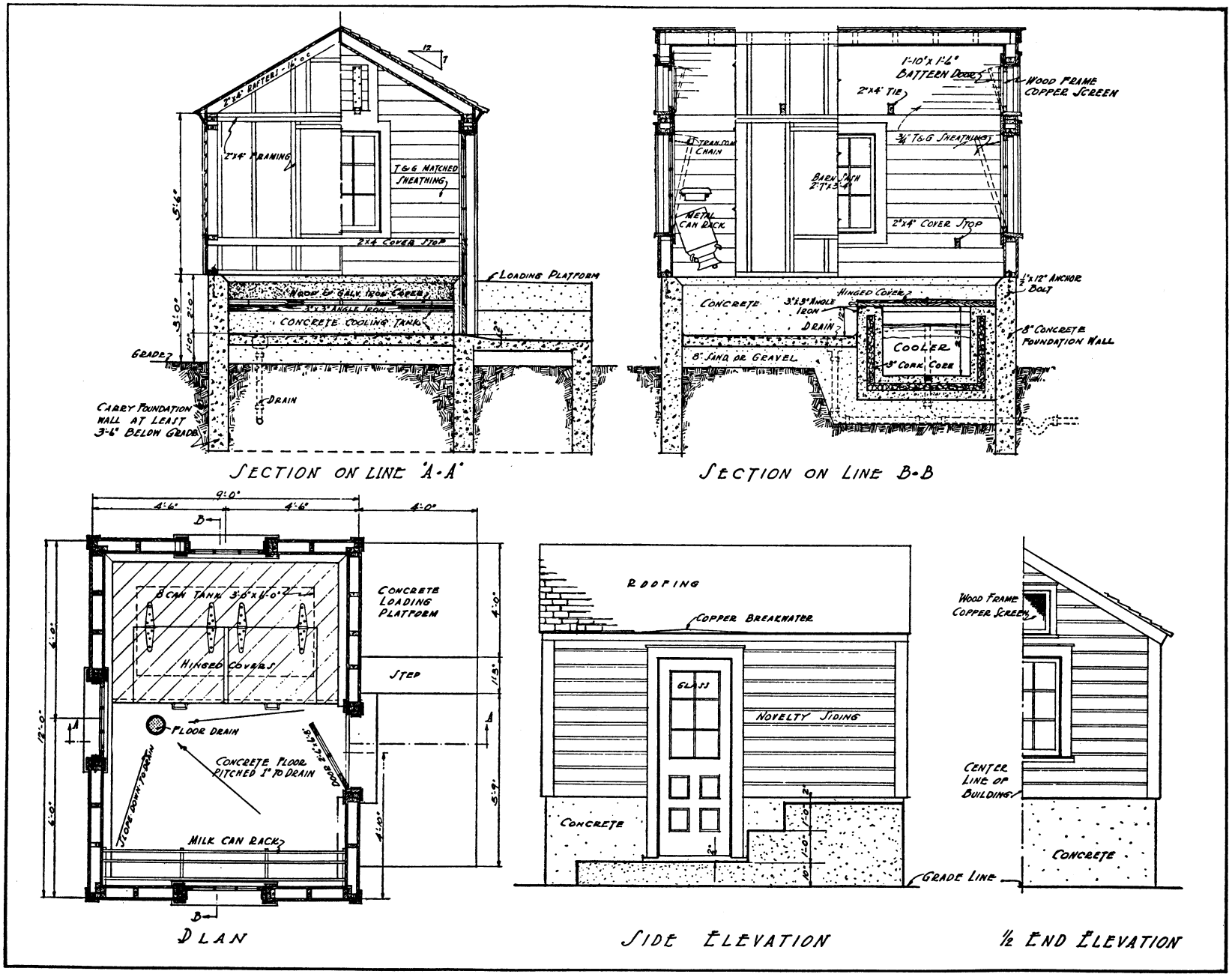
FIRE BOX

CONCRETE MIX 1:2:3
10 bags cement 0.6 cu. yds. sand.
1 cu. yd. broken terra cotta or hard brick. Gravel or stone could be used, but are not as fire resistant.

MISCELLANEOUS
18 - lin. ft. No. 9 gage hog wire 3'-6" wide (reenforcing)
3 - 1/4" reenforcing rods 3'-6" long
Grate bars (pipes, rods, old stove grates, etc.
2 - doors (sheet metal or from an old stove)

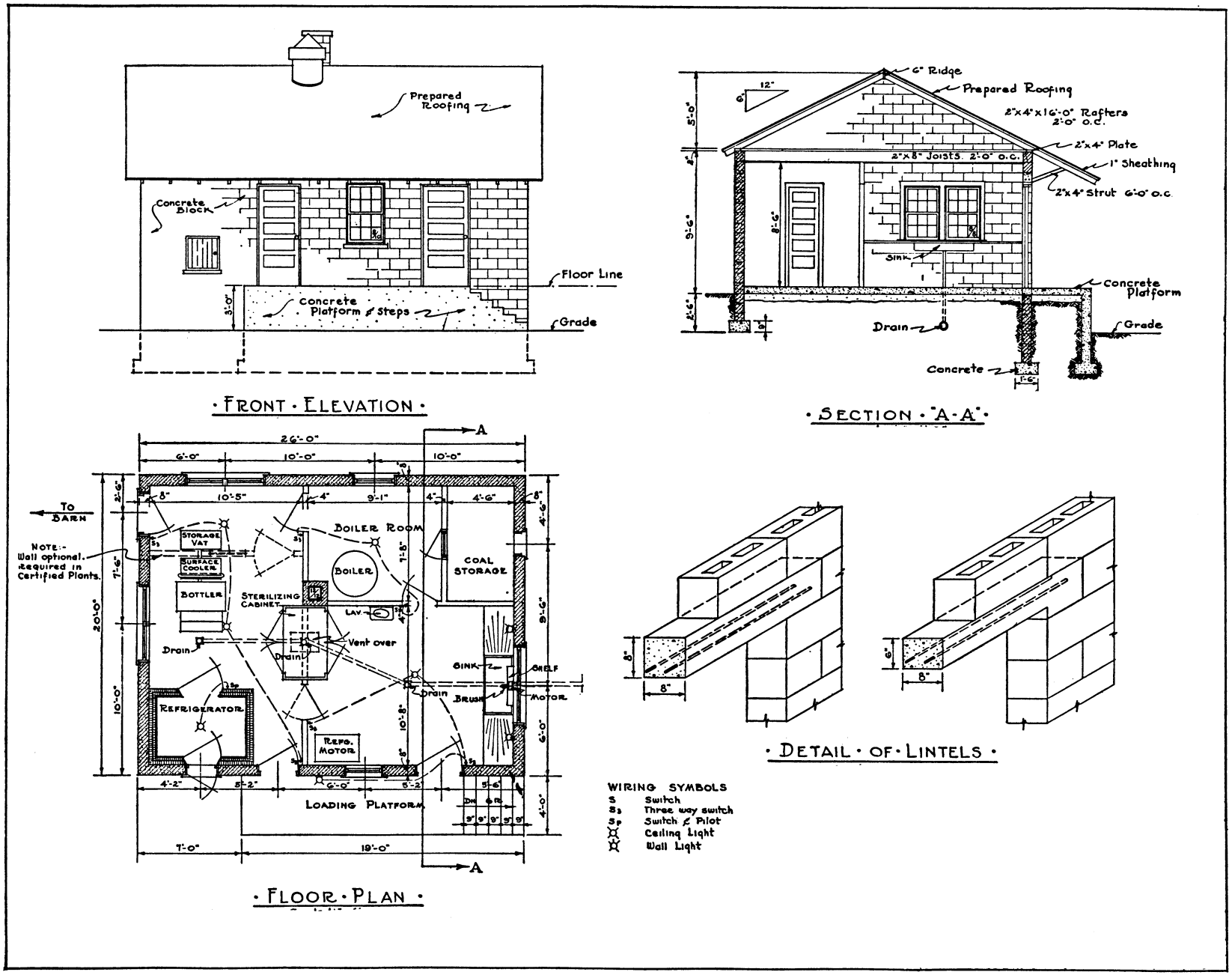
SMOKEHOUSE: 24 to 30 hams; 1 sheet.

DRAWING No.
751 – 5152



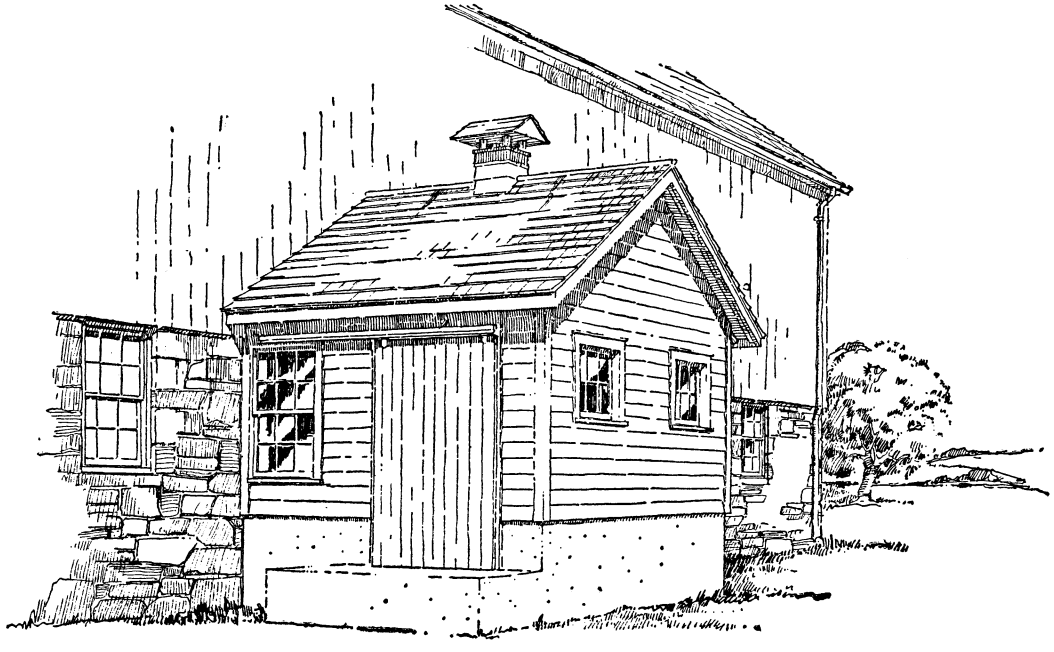
MILK HOUSE: 1 sheet.

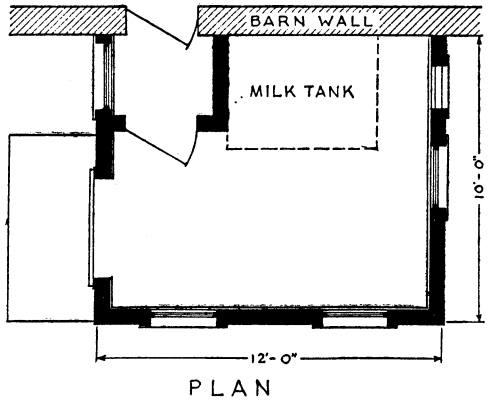
DRAWING No.
751 – 5153



RETAIL MILK HOUSE: Capacity 600 quarts; 1 sheet.

DRAWING No.
751 – 5154





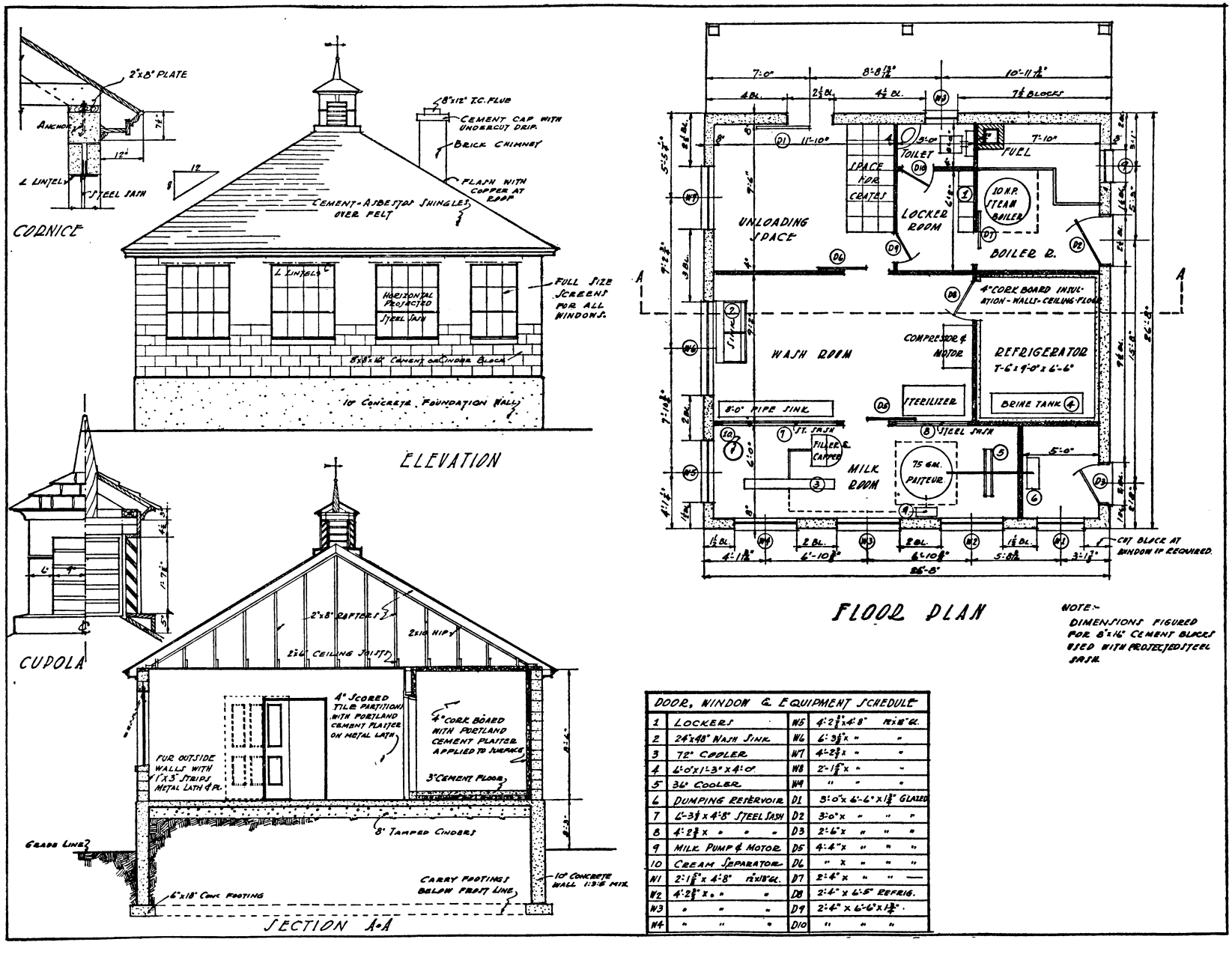
PLAN

0 5 10
SCALE IN FEET

MILK HOUSE

2 sheets; sheet 2 accompanies.

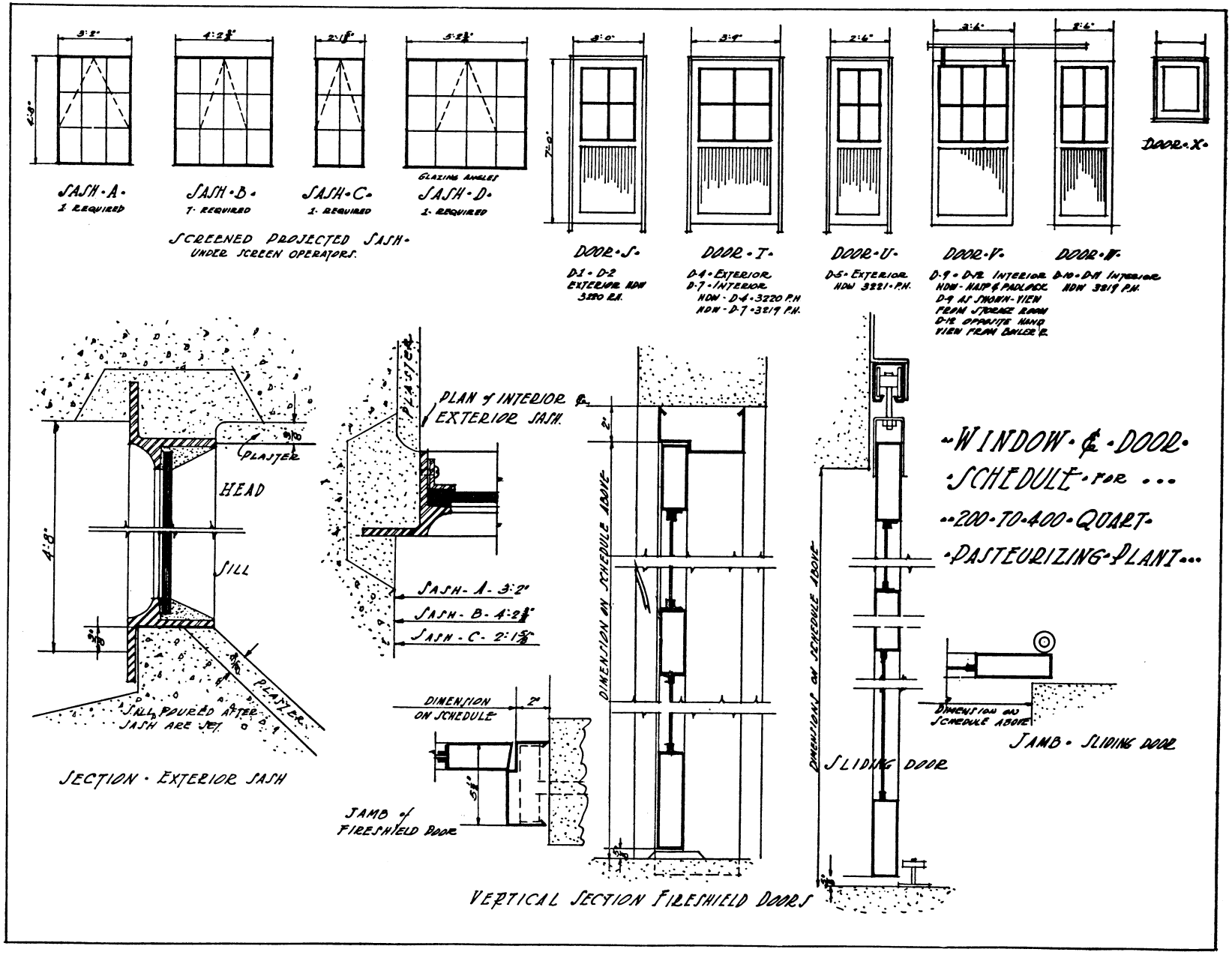
DRAWING No.
751–5156–1



DOOR, WINDOW & EQUIPMENT SCHEDULE			
1	LOCKERS	W5	4'-2⅞"x4'-8" 12"x18" GL.
2	24"x48" WASH SINK	W6	6'-3⅞"x " "
3	72" COOLER	W7	4'-2⅞"x " "
4	6'-0"x1'-3"x4'-0"	W8	2'-1⅞"x " "
5	36" COOLER	W9	" " "
6	DUMPING RESERVOIR	D1	3'-0"x 6'-6"x 1⅜" GLAZED
7	6'-3⅞"x 4'-8" STEEL SASH	D2	3'-0"x " " "
8	4'-2⅞"x " " "	D3	2'-6"x " " "
9	MILK PUMP & MOTOR	D5	4'-4"x " " "
10	CREAM SEPARATOR	D6	" x " " "
W1	2'-1⅞"x 4'-8" 12"x18" GL.	D7	2'-4"x " " —
W2	4'-2⅞"x " " "	D8	2'-4"x 6'-5" REFRIG.
W3	" " "	D9	2'-4"x 6'-6"x 1⅜"
W4	" " "	D10	" " "

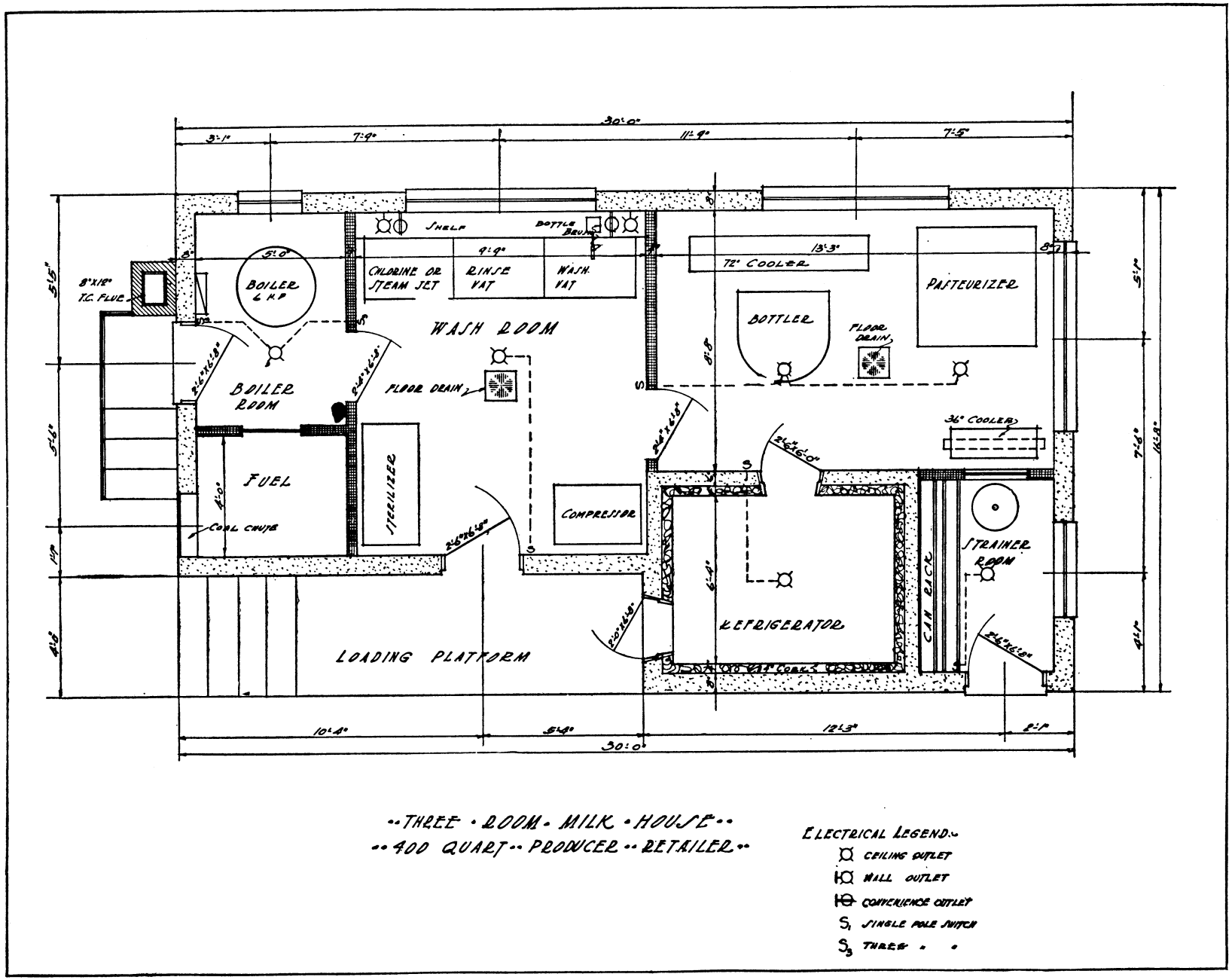
PASTEURIZING PLANT: 2 sheets. Drawing 5156–2 is sheet 2.

DRAWING Nos.
751–5156–2



PASTEURIZING PLANT DETAILS. This is sheet 2 of both drawings nos. 5156 and 5200.

DRAWING No.
751 – 5157

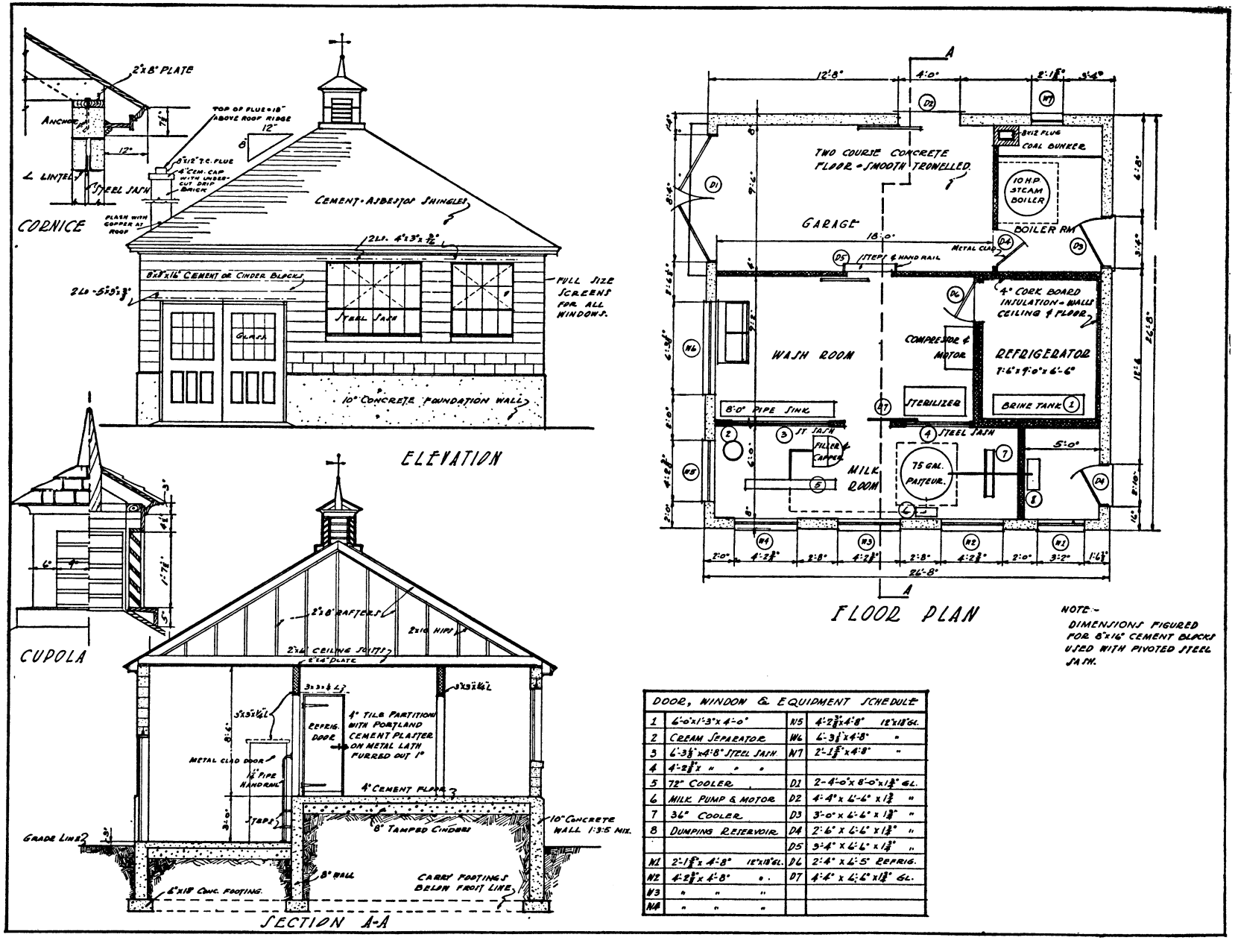


"THREE ROOM MILK HOUSE"
"400 QUART" PRODUCER RETAILER"

ELECTRICAL LEGEND:
CEILING OUTLET
WALL OUTLET
CONVENIENCE OUTLET
S_1 SINGLE POLE SWITCH
S_3 THREE " "

PASTEURIZING PLANT: 3 room; 1 sheet.

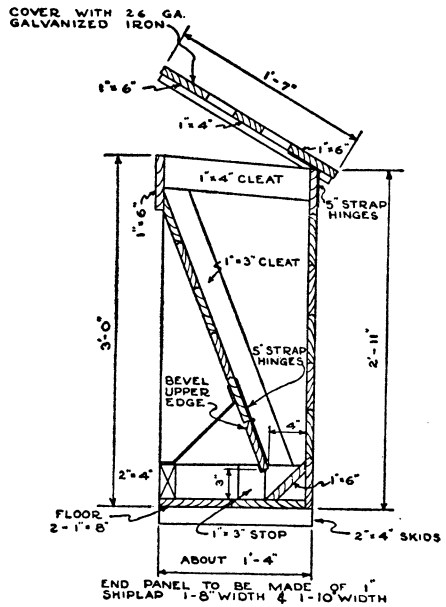
DRAWING No.
751-5200-1



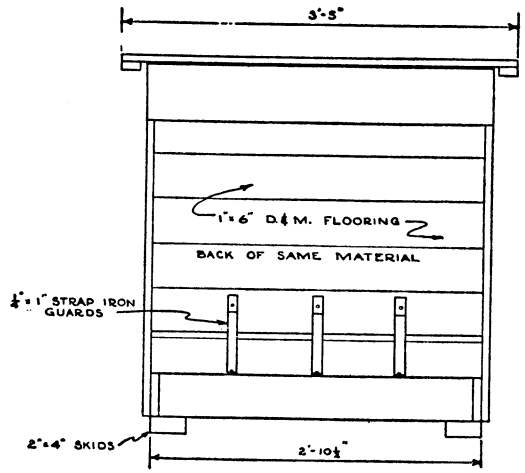
DOOR, WINDOW & EQUIPMENT SCHEDULE				
1	6'-0"x1'-3"x4'-0"	W5	4'-2 3/8"x4'-8"	18"x18" GL.
2	CREAM SEPARATOR	W6	6'-3 1/2"x4'-8"	"
3	6'-3 1/2"x4'-8" STEEL SASH	W7	2'-1 5/8"x4'-8"	"
4	4'-2 3/8" x " "			
5	72" COOLER	D1	2-4'-0"x 8'-0"x 1 3/8" GL.	
6	MILK PUMP & MOTOR	D2	4'-4" x 6'-6" x 1 3/8"	"
7	36" COOLER	D3	3'-0" x 6'-6" x 1 3/8"	"
8	DUMPING RESERVOIR	D4	2'-6" x 6'-6" x 1 3/8"	"
		D5	3'-4" x 6'-6" x 1 3/8"	"
W1	2'-1 5/8" x 4'-8" 18"x18" GL.	D6	2'-4" x 6'-5" REFRIG.	
W2	4'-2 3/8" x 4'-8" " "	D7	4'-4" x 6'-6" x 1 3/8" GL.	
W3	" " "			
W4	" " "			

PASTEURIZING PLANT: 2 sheets. Drawing 5156-2 is sheet 2.

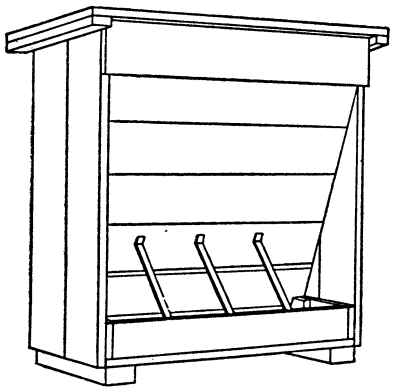
DRAWING No.
772-5382



· SECTION ·



· FRONT · ELEVATION ·



· PERSPECTIVE ·

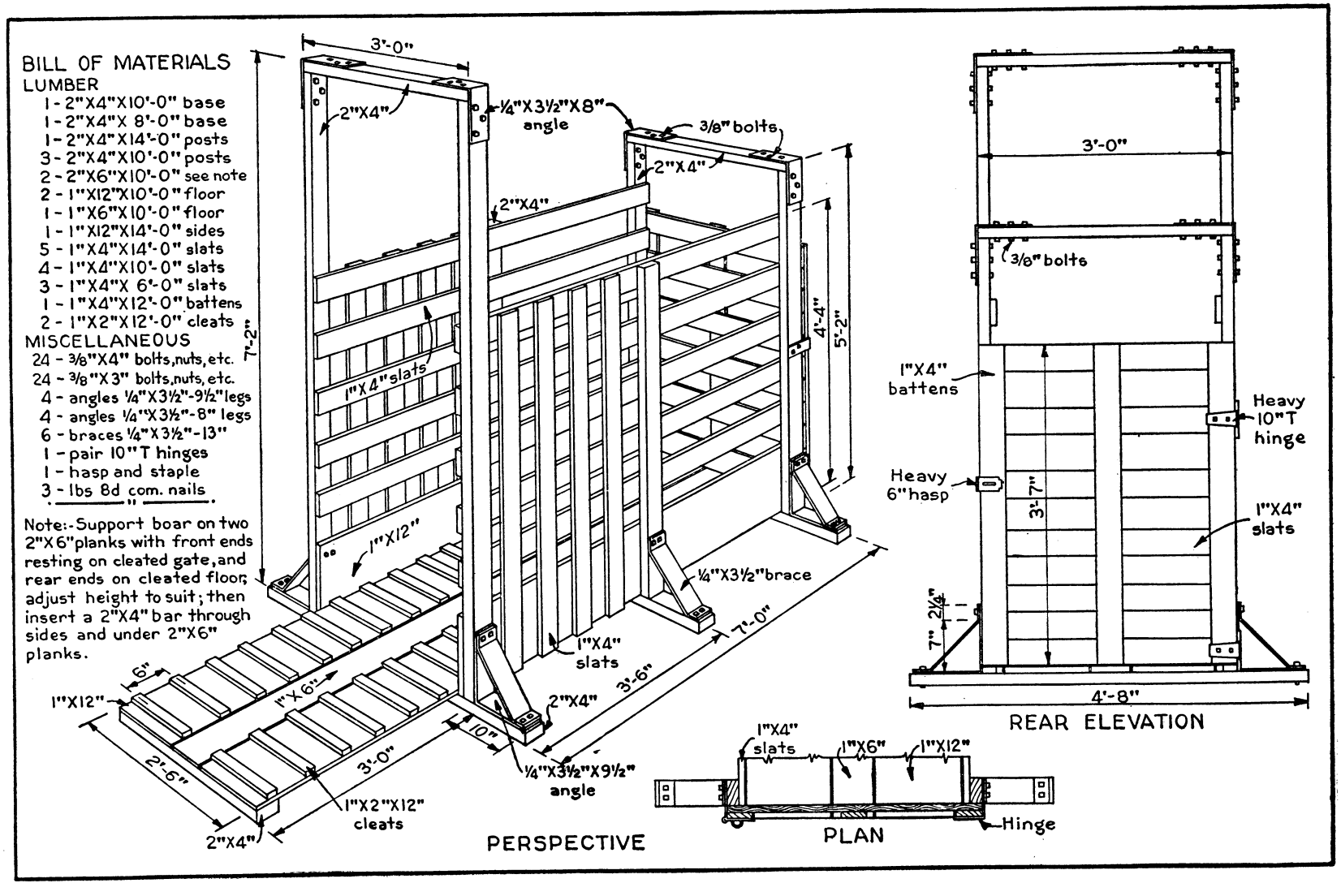
· BILL · OF · MATERIALS ·

·1	2"×4"	6'-0"	
·1	1"×4"	10'-0"	CLEATS
·1	1"×6"	16'-0"	
·1	1"×4"	10'-0"	
·1	1"×8"	6'-0"	FLOOR
·1	1"×8"	6'-0"	SHIPLAP FOR ENDS
·1	1"×10"	6'-0"	
·2	1"×6"	12'-0"	D. & M. FLOORING
·1	1"×6"	16'-0"	
·2 PR.	5"		STRAP HINGES WITH SCREWS
·1 SHEET	26 GA. GALVANIZED IRON 20" × 42"		FOR COVER
·3	1"×¼"	1'-2"	STRAP IRON GUARDS

HOG SELF-FEEDER: 1 sheet.

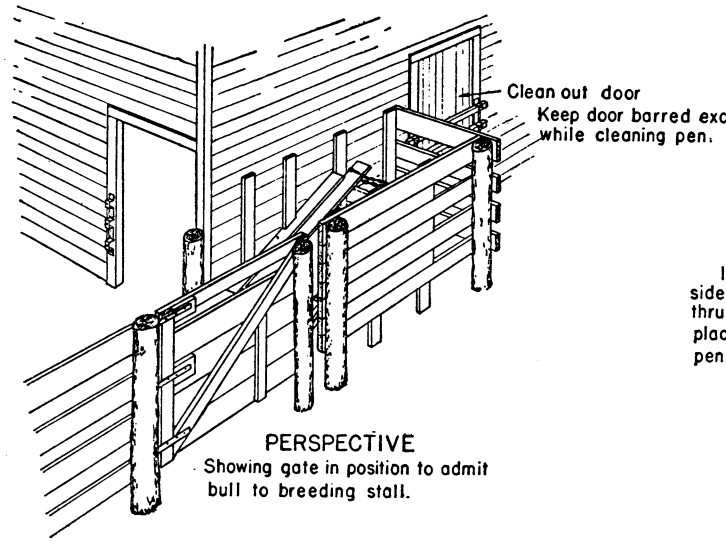
DRAWING No.

775-5040

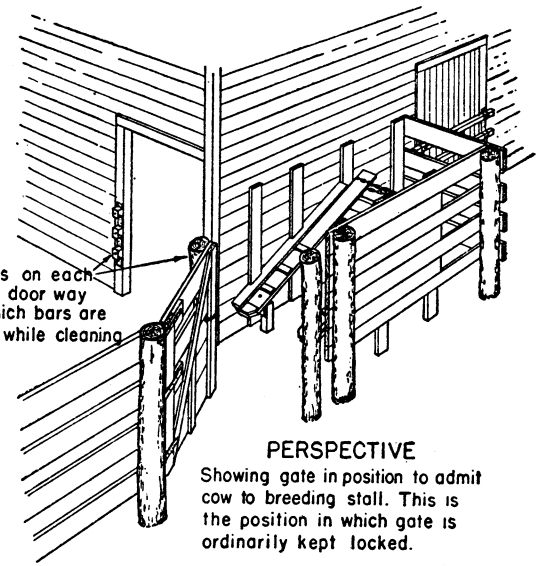


HOG BREEDING CRATE: 1 sheet.

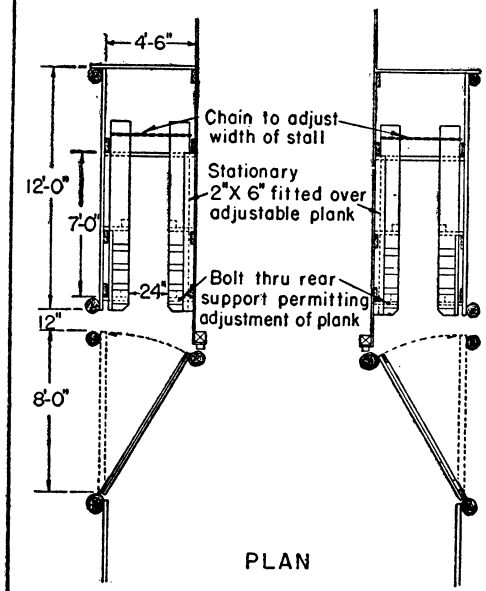
DRAWING No.
775 – 5181



PERSPECTIVE
Showing gate in position to admit bull to breeding stall.



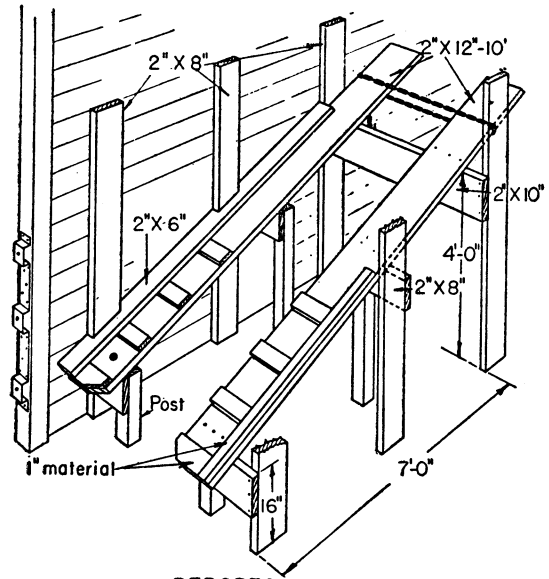
PERSPECTIVE
Showing gate in position to admit cow to breeding stall. This is the position in which gate is ordinarily kept locked.



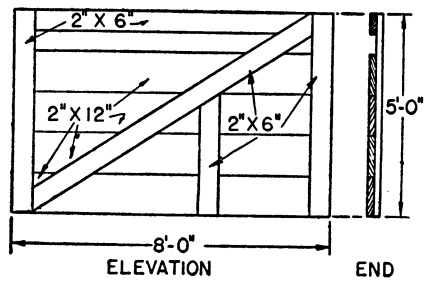
PLAN

Stall at left of pen

Stall at right of pen



PERSPECTIVE
Showing construction of breeding stall

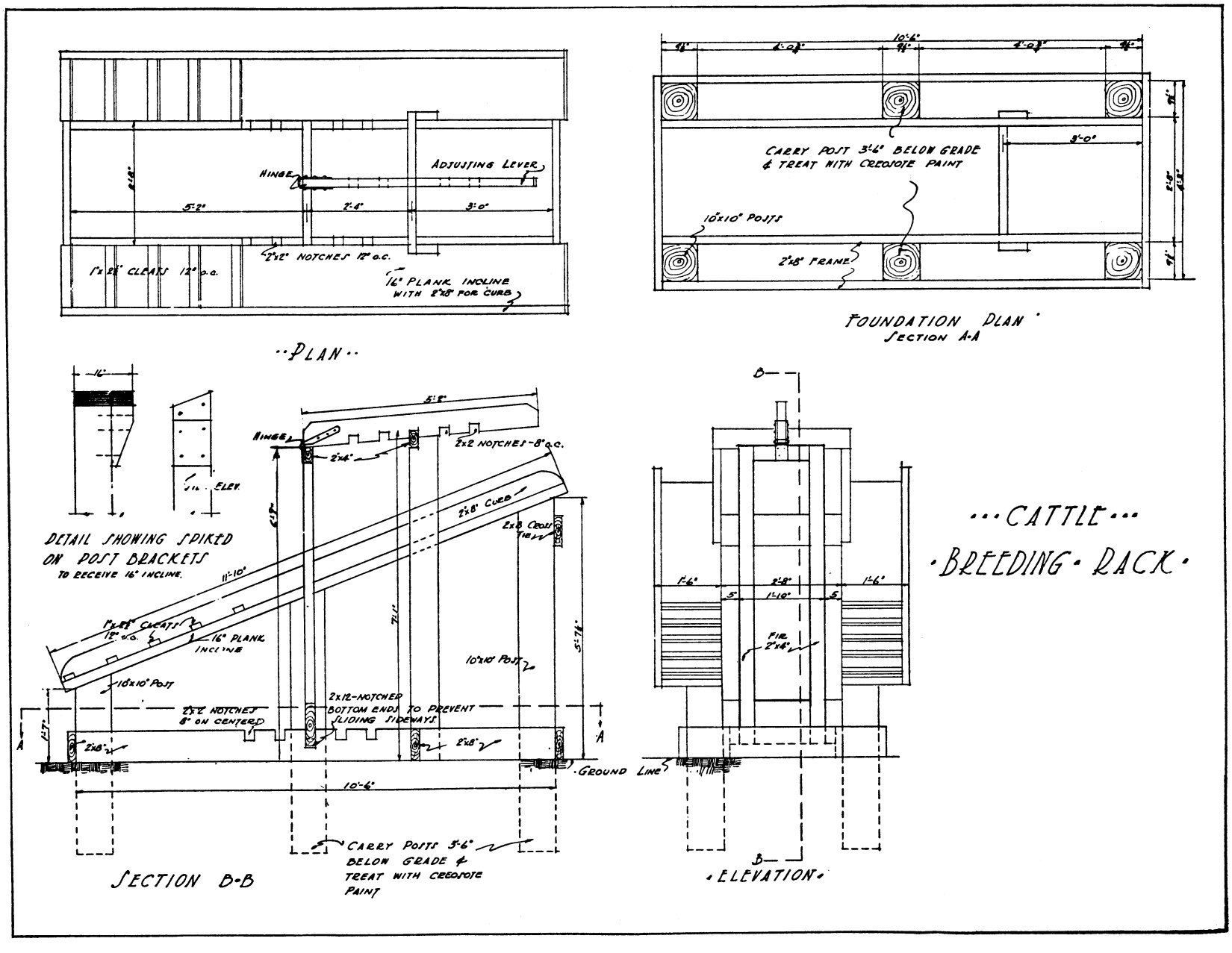


ELEVATION END

DETAIL OF GATE

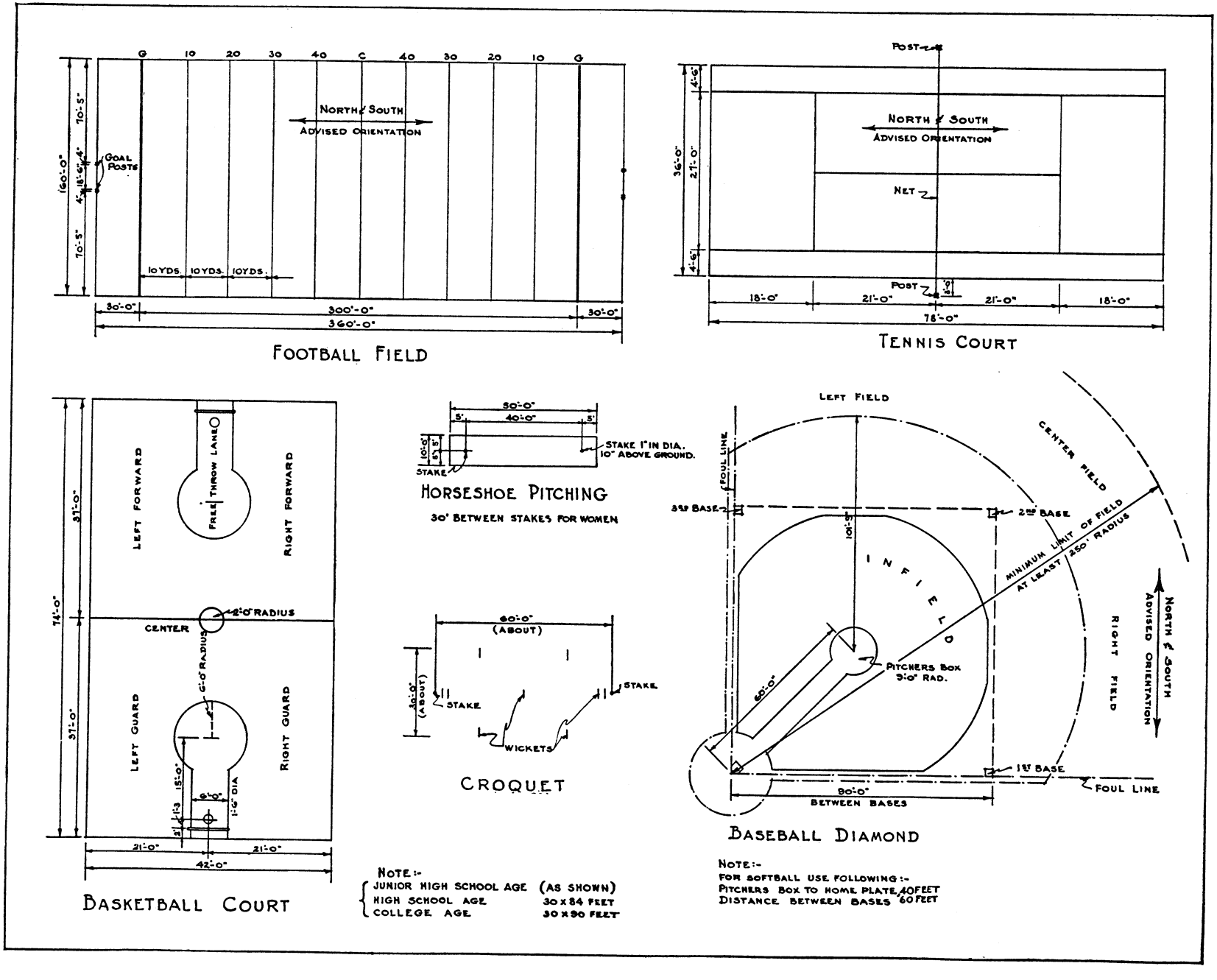
CATTLE BREEDING RACK: (New York) 1 sheet.

DRAWING No.
775 – 5182



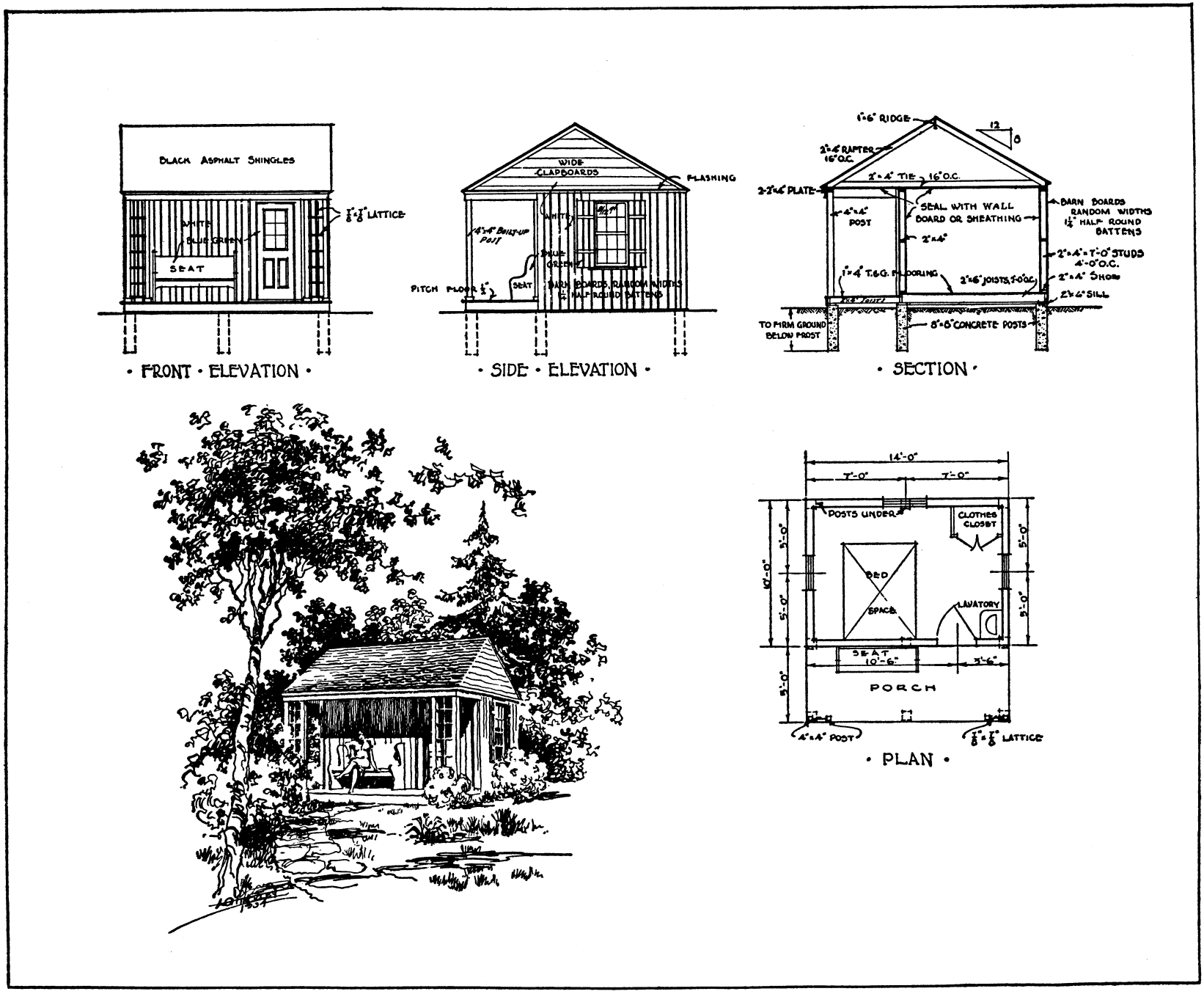
CATTLE BREEDING RACK: (Massachusetts) 1 sheet.

DRAWING No.
791 – 5183



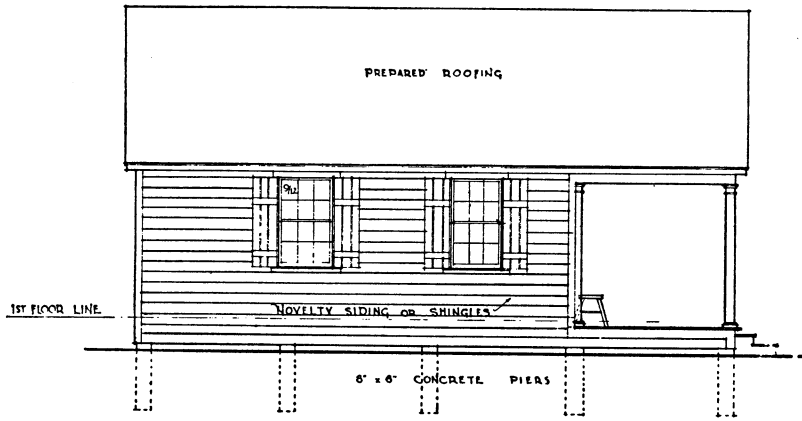
PLAYGROUND LAY-OUTS: 1 sheet.

DRAWING No.
794 – 5184

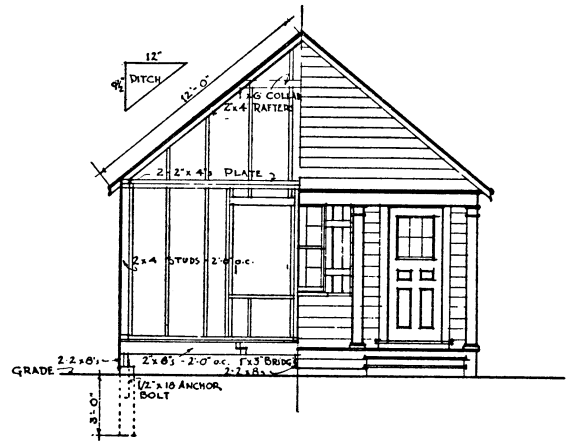


TOURIST CABIN: 1 room, 2 persons; 1 sheet.

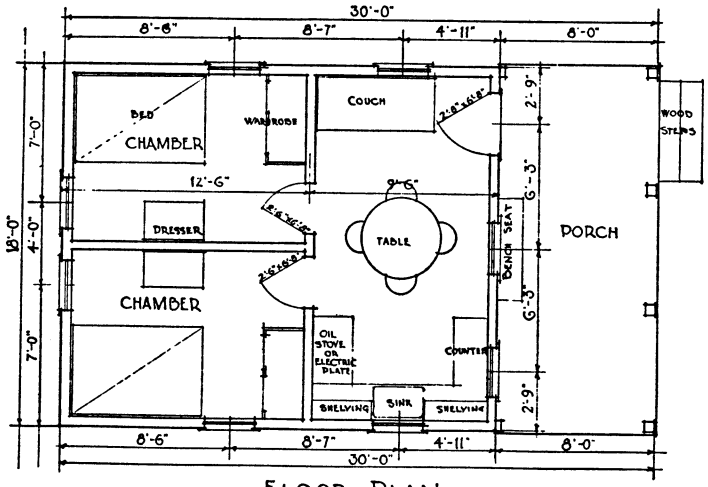
DRAWING No.
794 – 5185



SIDE ELEVATION



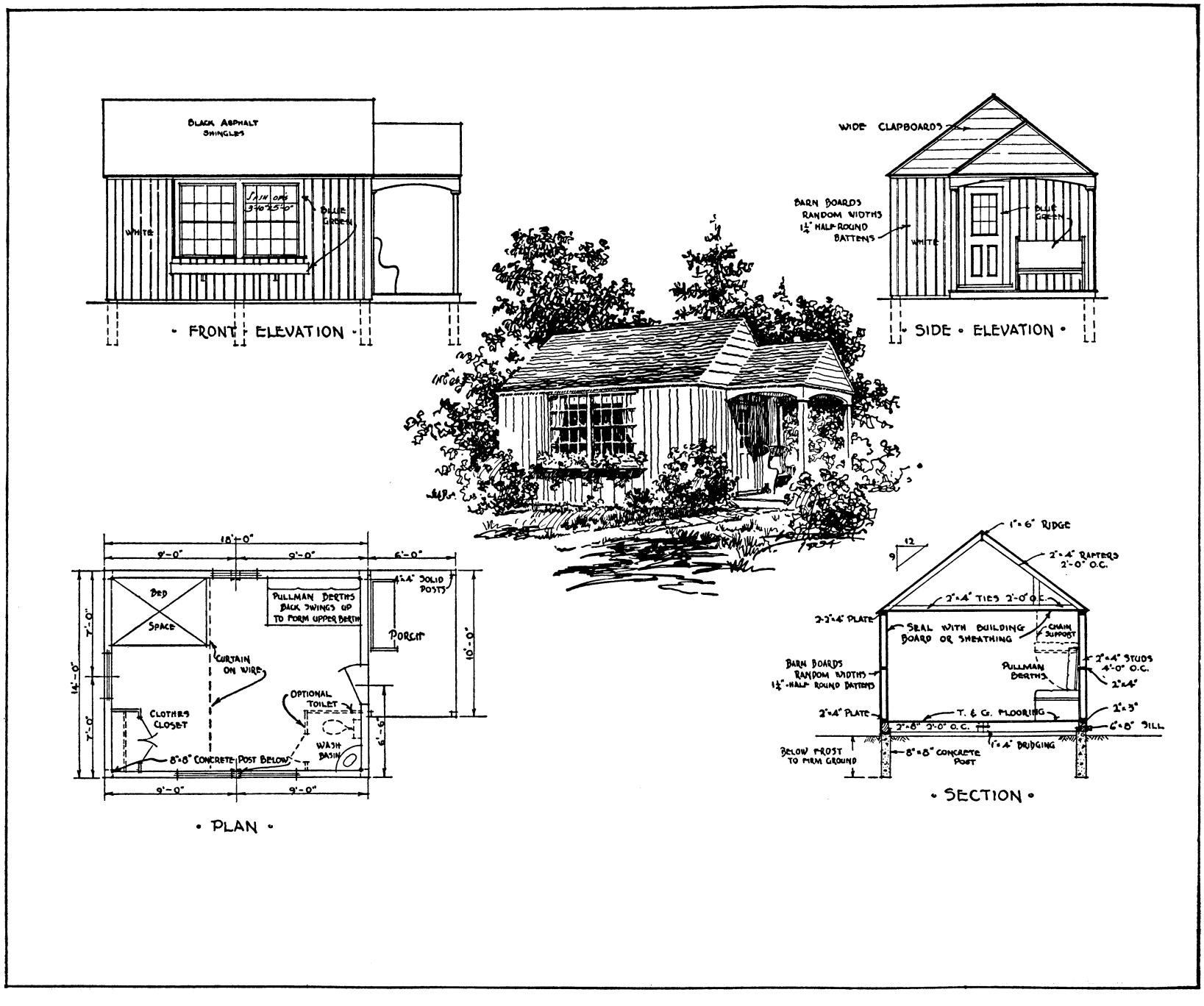
SECTION & FRONT ELEVATION



FLOOR PLAN

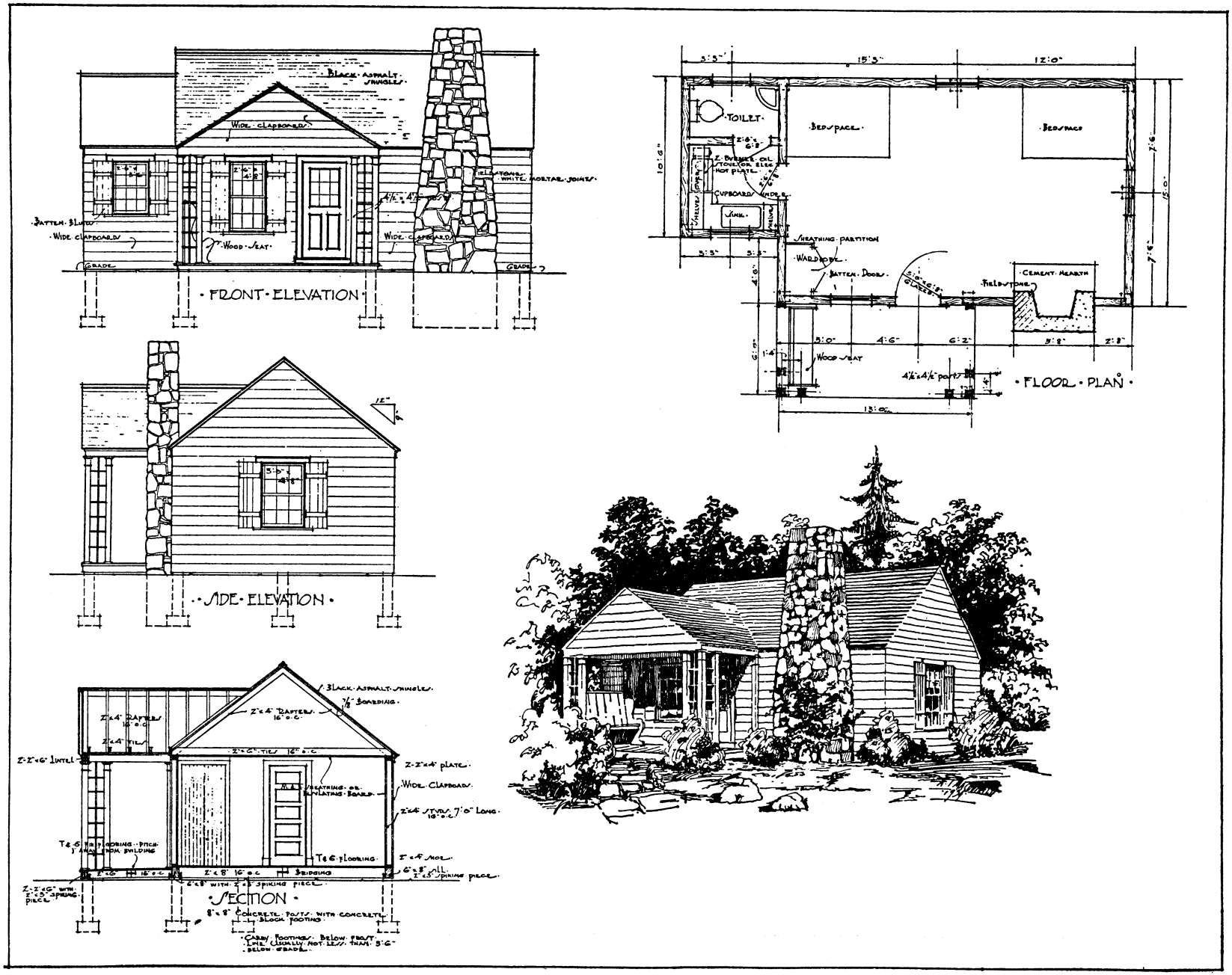
TOURIST CABIN: 3 rooms; 1 sheet.

DRAWING No.
794 – 5186



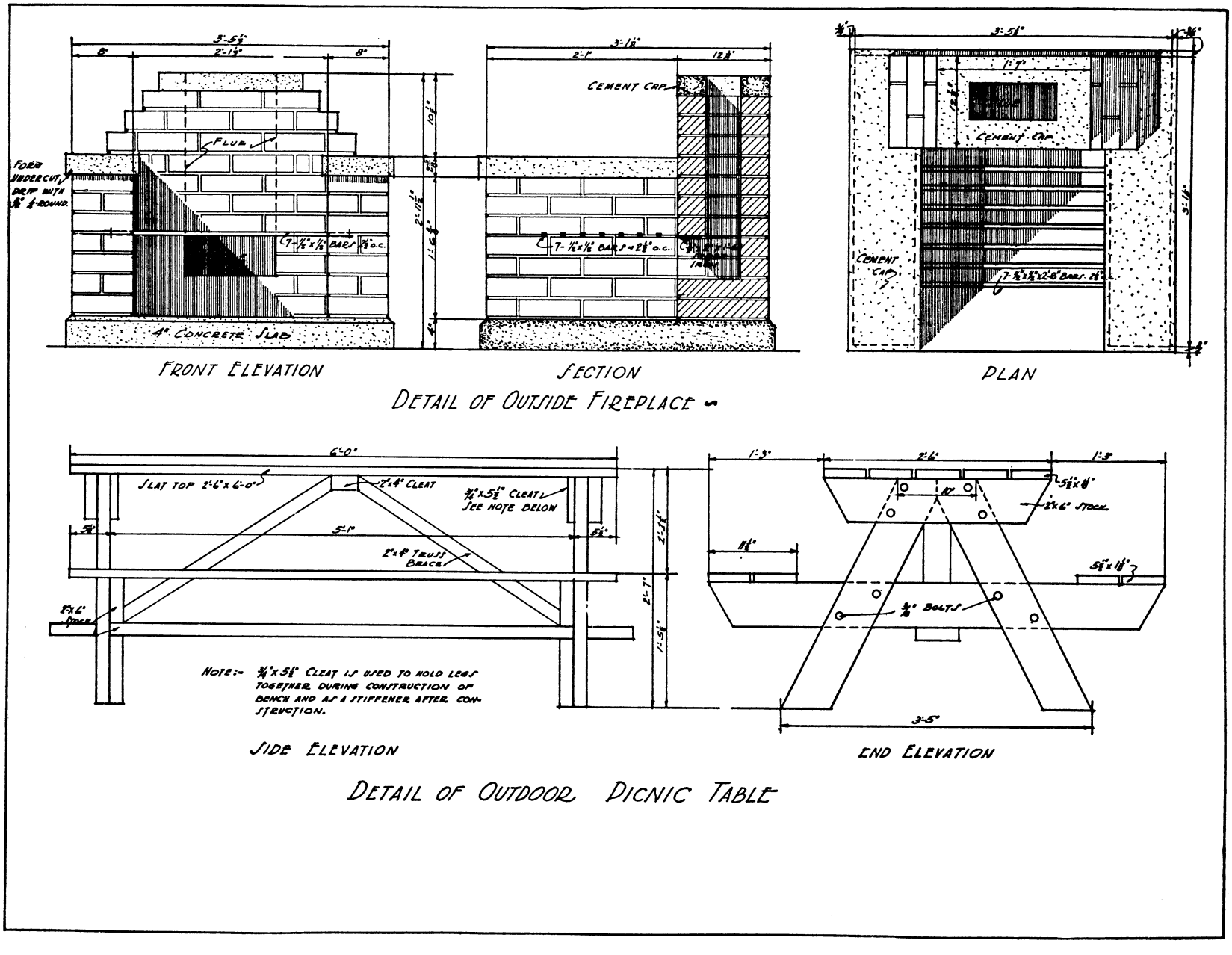
TOURIST CABIN: 1 room, 4 persons; 1 sheet.

DRAWING No.
794 – 5187



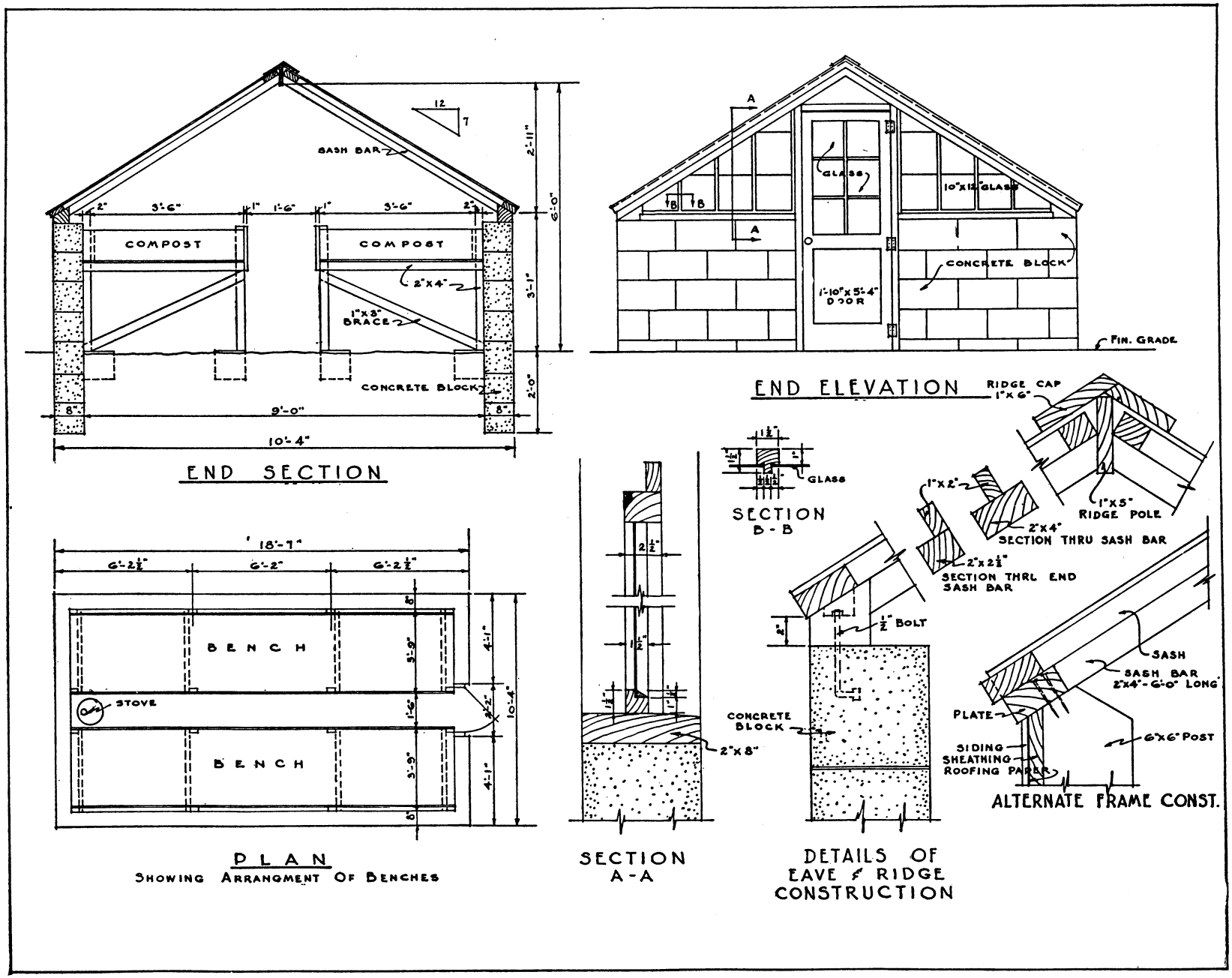
SUMMER CAMP: 1 sheet.

DRAWING No.
794 – 5188



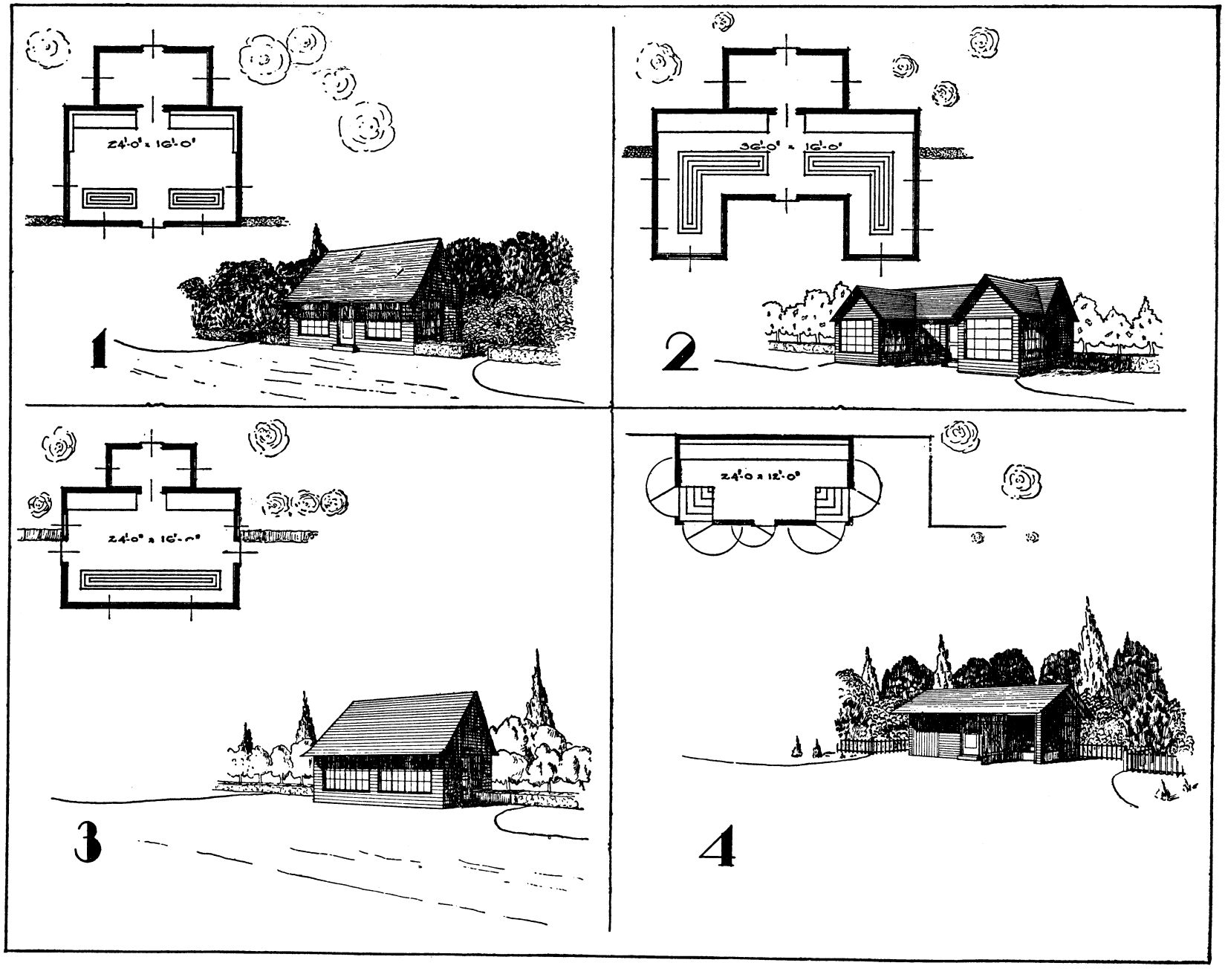
OUTDOOR FIREPLACE AND PICNIC TABLE: 1 sheet.

DRAWING No.
795 – 5189



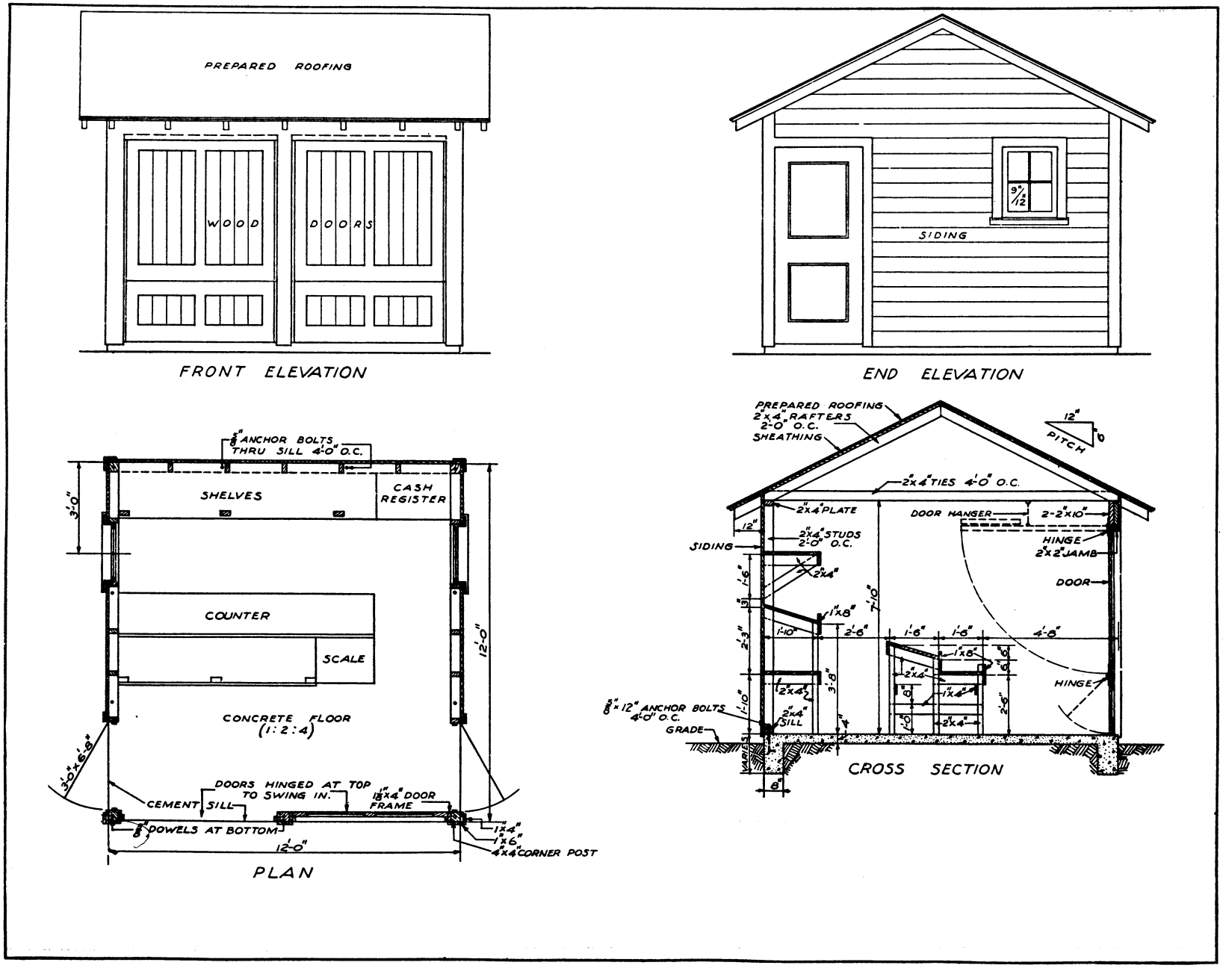
SASH GREENHOUSE: 1 sheet.

DRAWING No.
799 – 5190



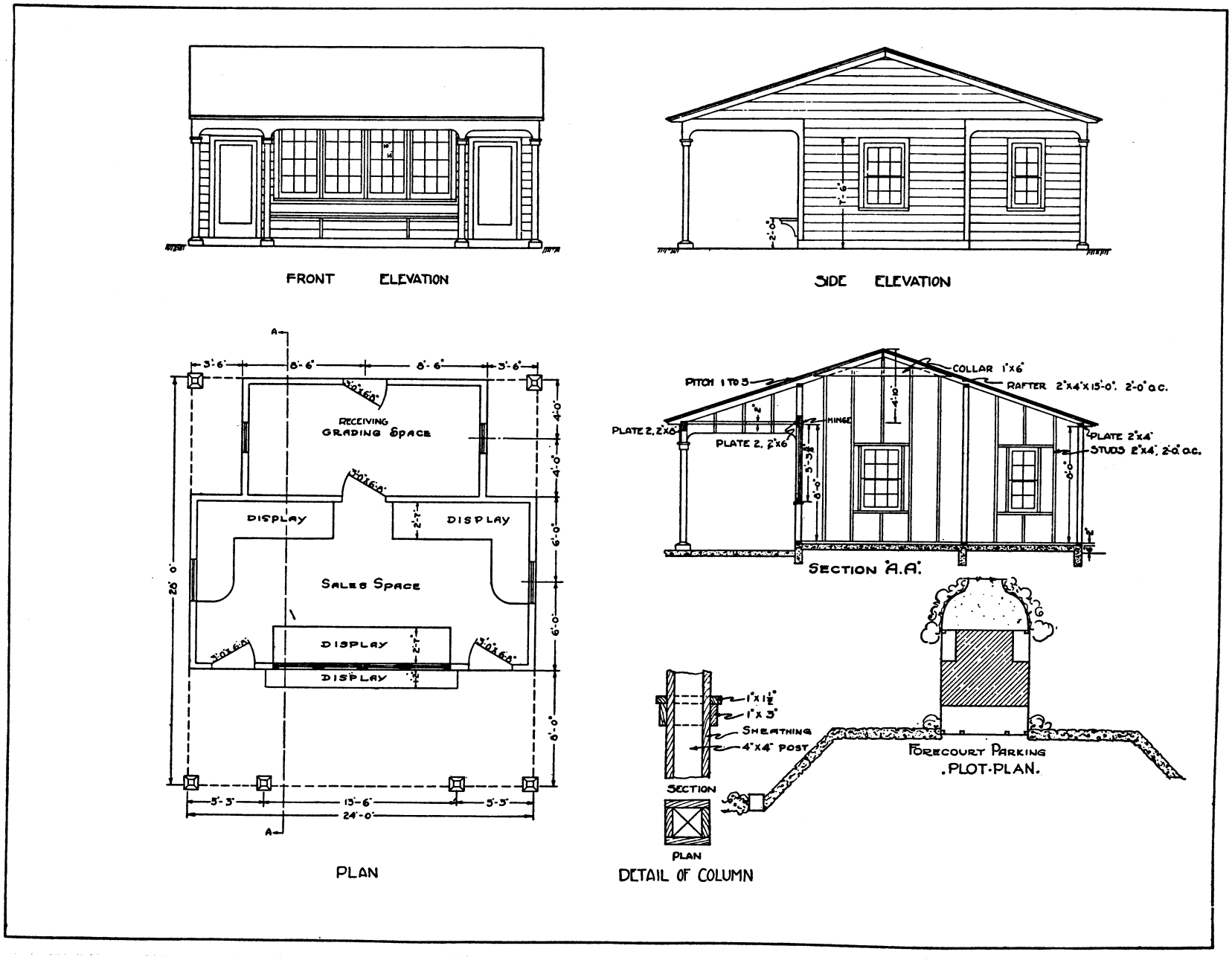
FOUR ROADSIDE STANDS: 1 sheet.

DRAWING No.
799 – 5191



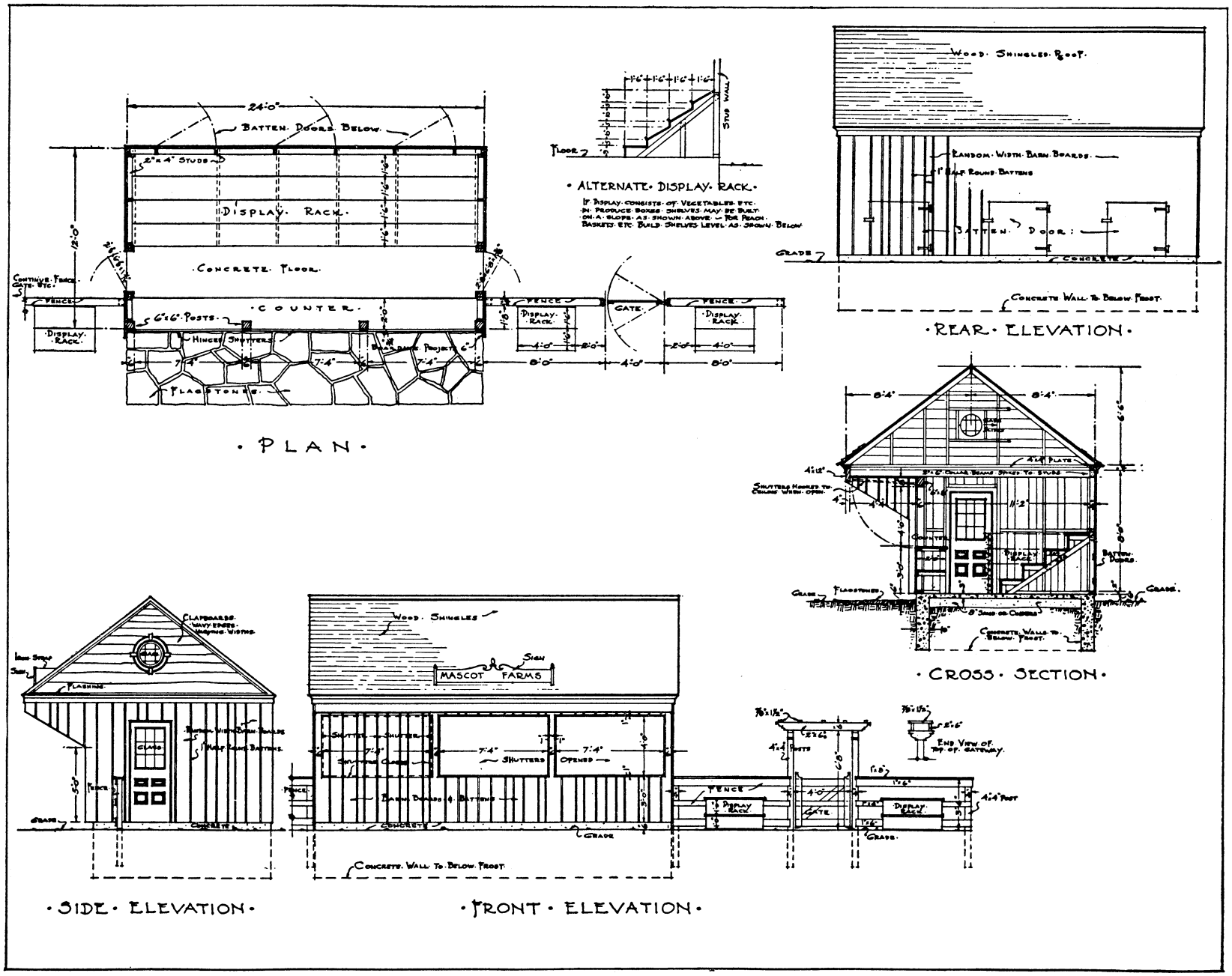
ROADSIDE STAND: 1 sheet.

DRAWING No.
799-5192



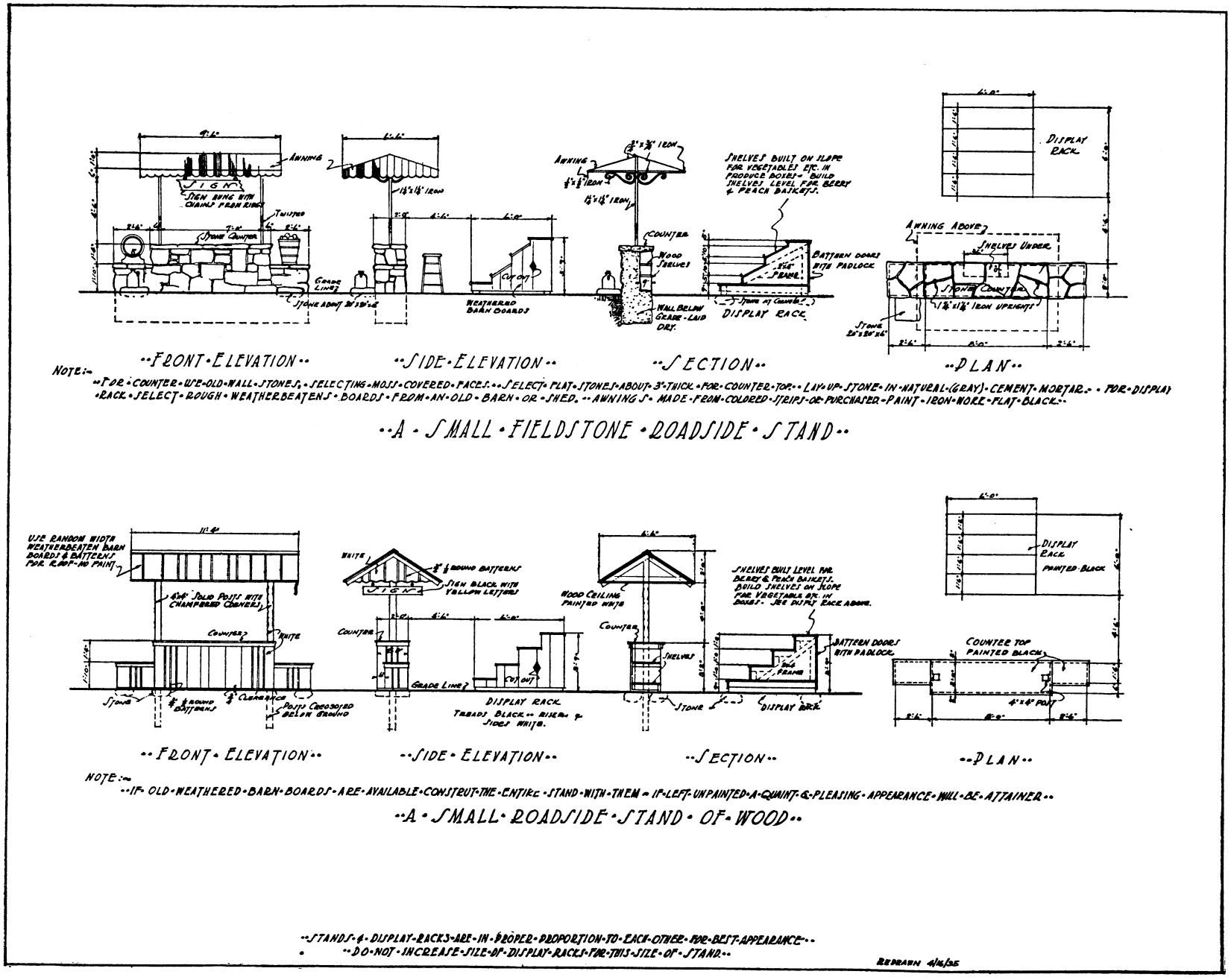
ROADSIDE STAND: 1 sheet.

DRAWING No.
799 – 5193



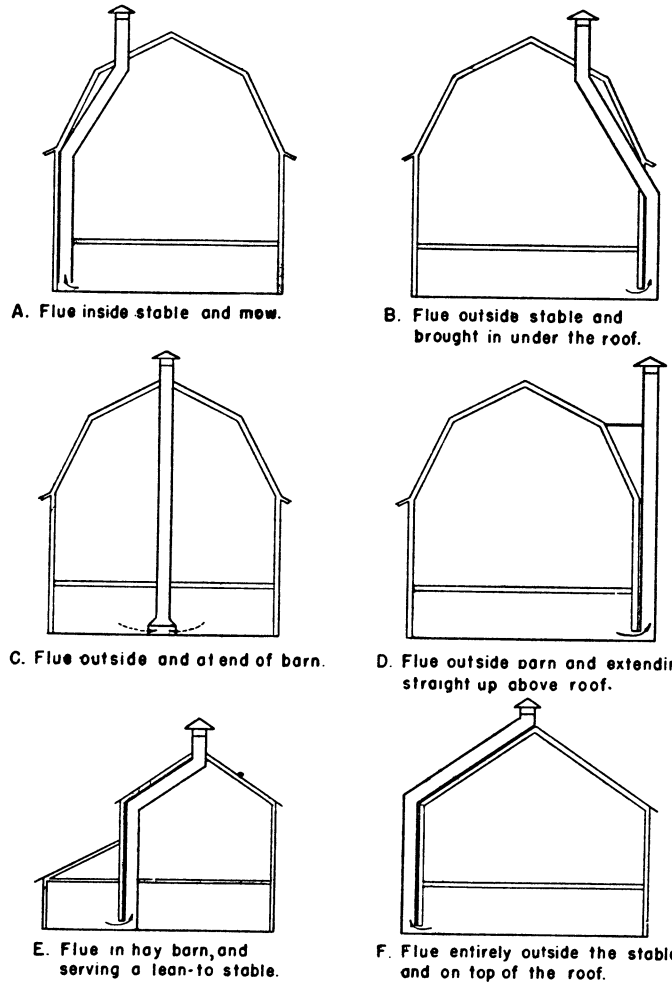
ROADSIDE STAND: 1 sheet.

DRAWING No.
799 – 5194

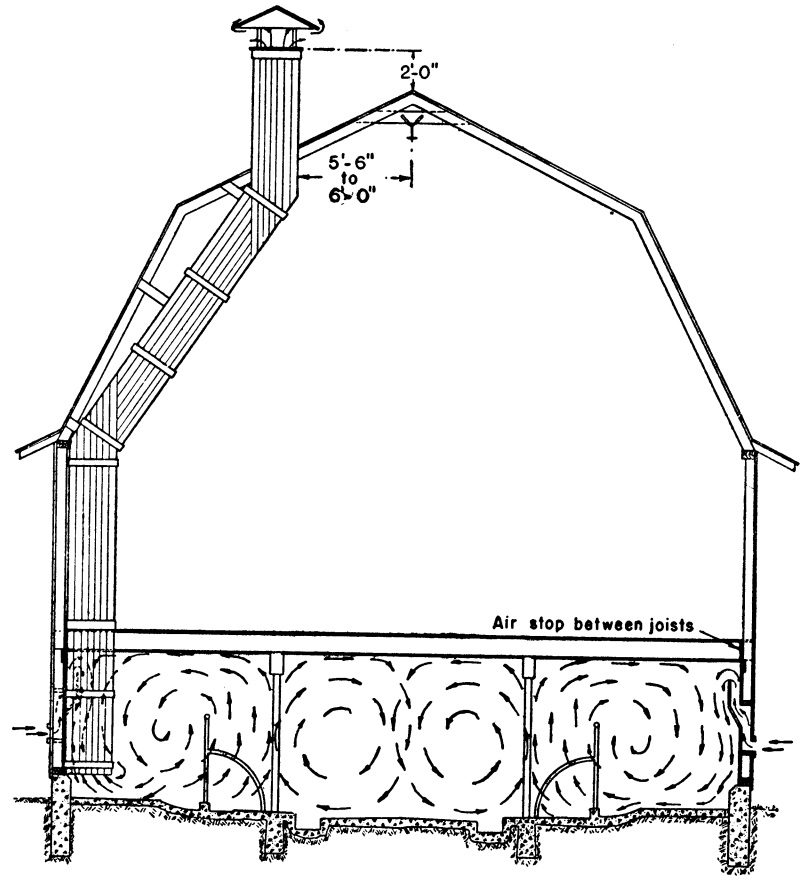


ROADSIDE STANDS: 1 sheet.

DRAWING No.
831-5195-1



1. LOCATION OF OUT TAKE FLUE

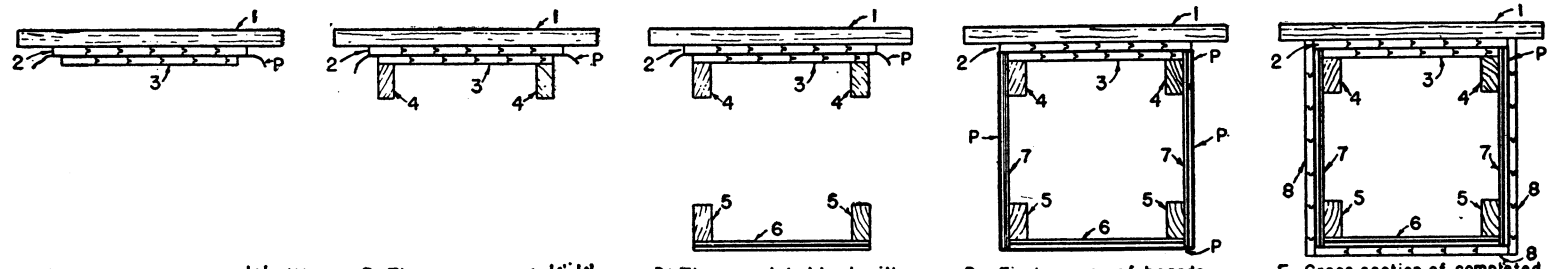


2. CIRCULATION OF AIR WITHIN A DAIRY STABLE

Fairbanks-Goodman Ventilation System.

BARN-VENTILATION DETAILS: 3 sheets. Drawing 5195-2 and 5195-3 accompany.

DRAWING No.
831-5195-2



A. The backbone support '1' with two courses of boards '2' & '3' and heavy building paper 'P' between.

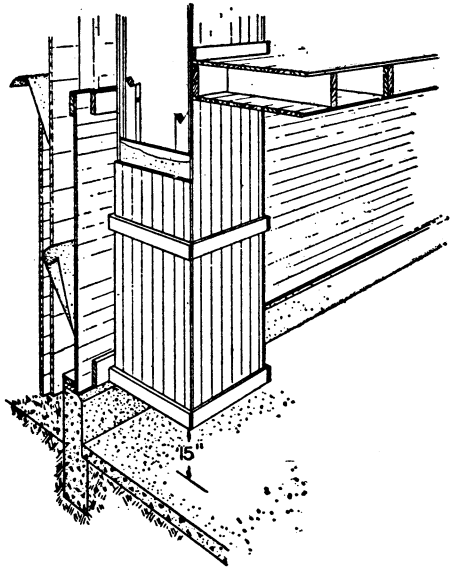
B. The corner posts '4'-'4' in place

C. The completed back with front panel '5'-'5' & '6' in position.

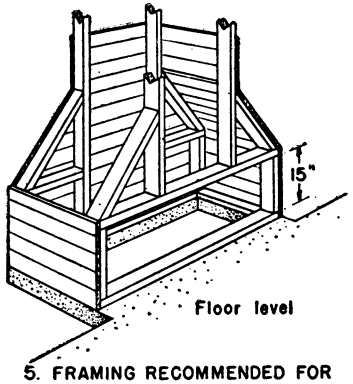
D. First course of boards '7'-'7' on each side, joining the front and back panels. Building paper 'P' in place.

E. Cross section of completed flue.

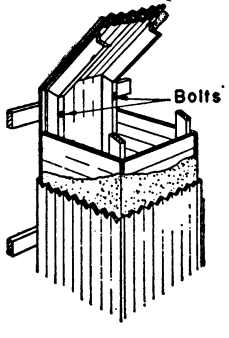
3. METHOD OF CONSTRUCTING THE OUT TAKE FLUE.



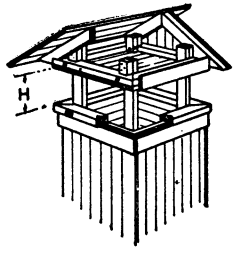
4. STABLE SECTION OF OUT TAKE FLUE.



5. FRAMING RECOMMENDED FOR OUT TAKE FLUE OPENING BUILT OUTSIDE STABLE.



6. OUT TAKE FLUE, SHOWING THE BACK CORNER POSTS BOLTED TO SUPPORTS.

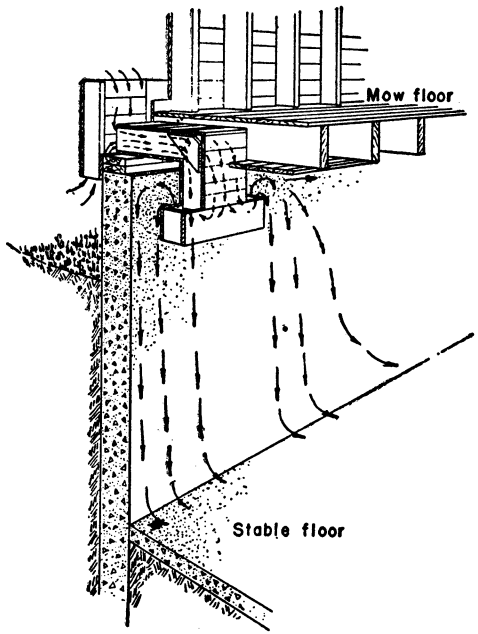


7. OUT TAKE FLUE HEAD.

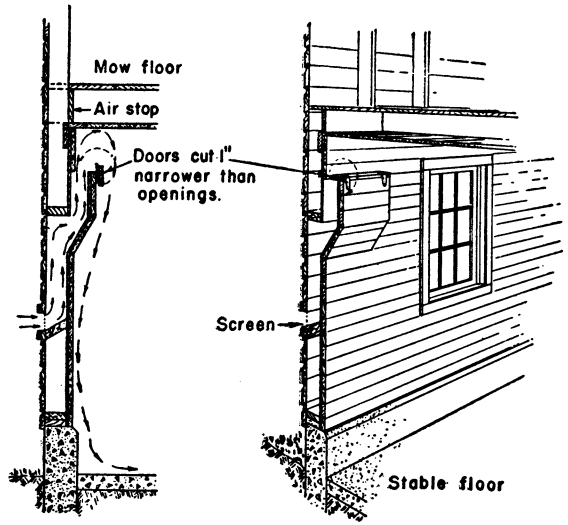
Fairbanks - Goodman Ventilation System

BARN-VENTILATION DETAILS: (Sheet 2 of drawing no. 5195-1).

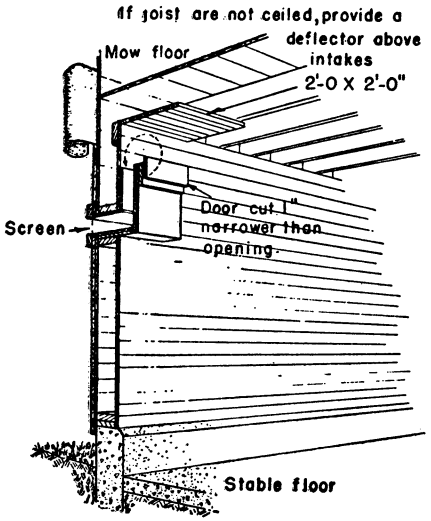
DRAWING No.
831-5195-3



8. INTAKE OVER MASONRY WALL WITH THE INTAKE FLUE UNDER THE MOW FLOOR.
When necessary the vertical boot can be lengthened into mow and the opening raised.



9. HOMEMADE INTAKE FLUE IN A CEILED STABLE.

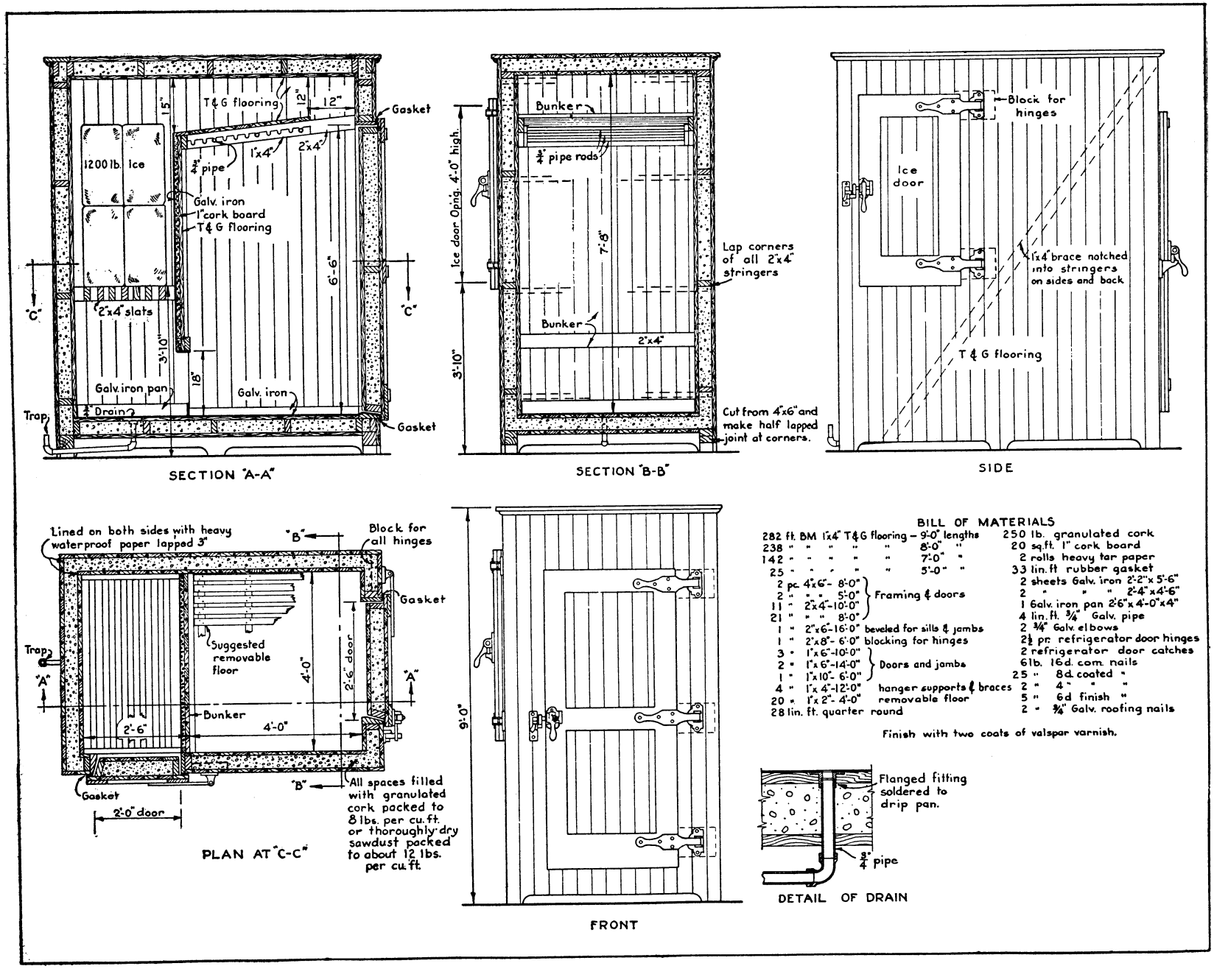


10. INTAKE FOR A CEILED OR UNCEILED STABLE

Fairbanks - Goodman Ventilation System.

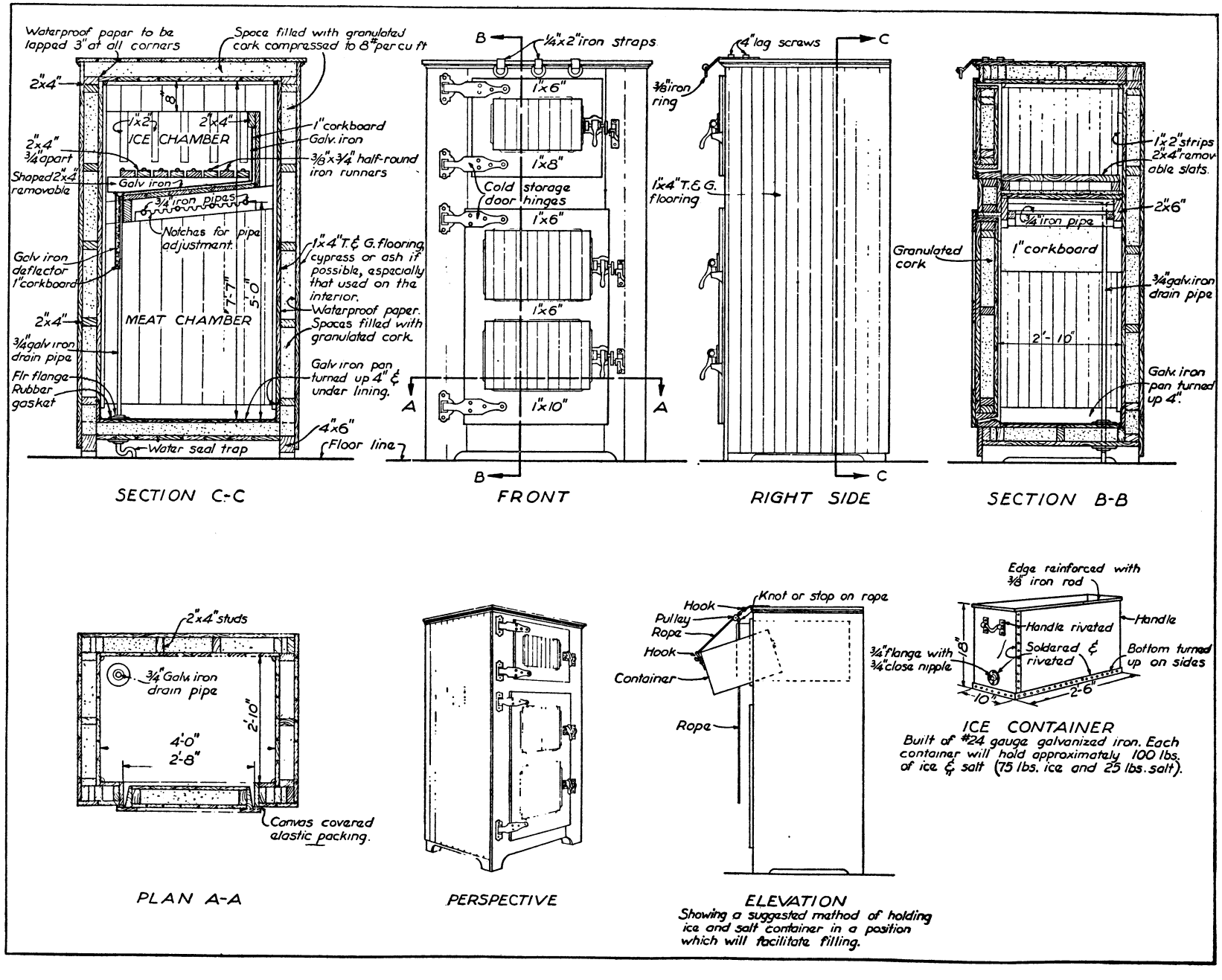
BARN-VENTILATION DETAILS: (Sheet 3 of drawing no. 5195-1).

DRAWING No.
847-5027



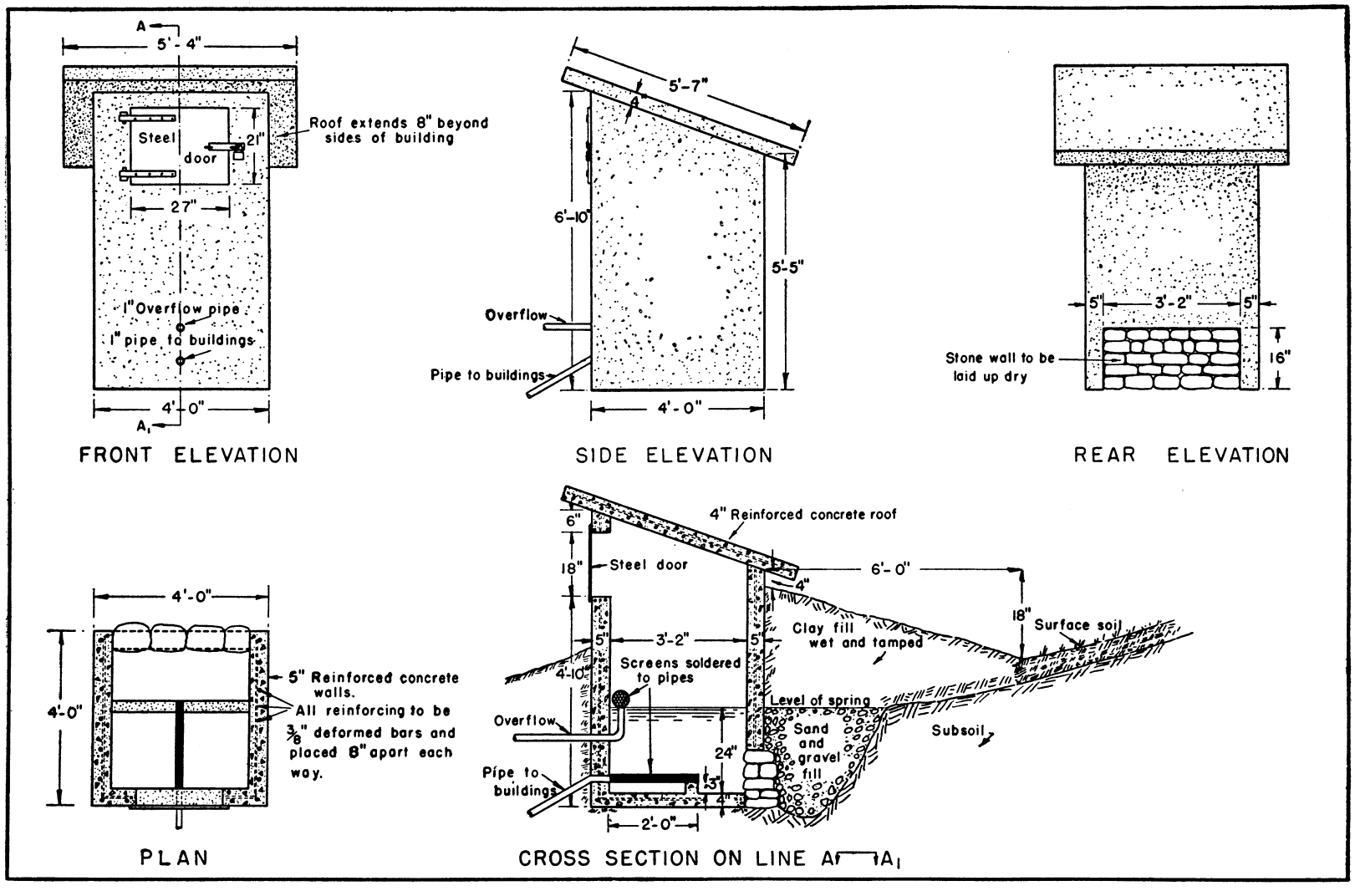
REFRIGERATOR: 1,200 pounds of ice; 1 sheet.

DRAWING No.
847 – 5196



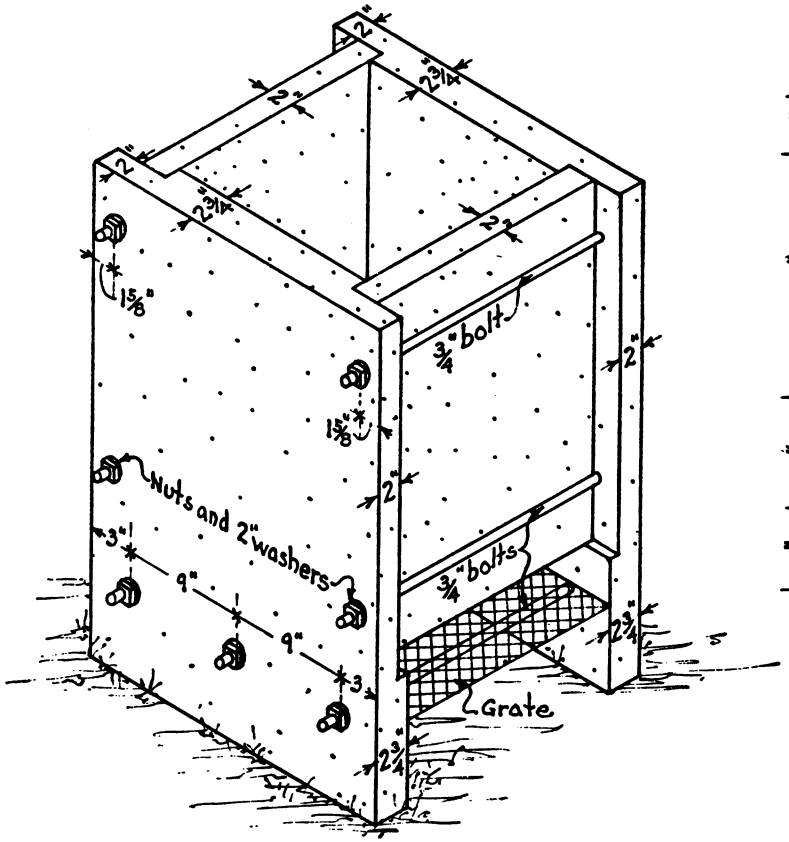
REFRIGERATOR: 600 pounds of ice and 1 beef carcass; 1 sheet.

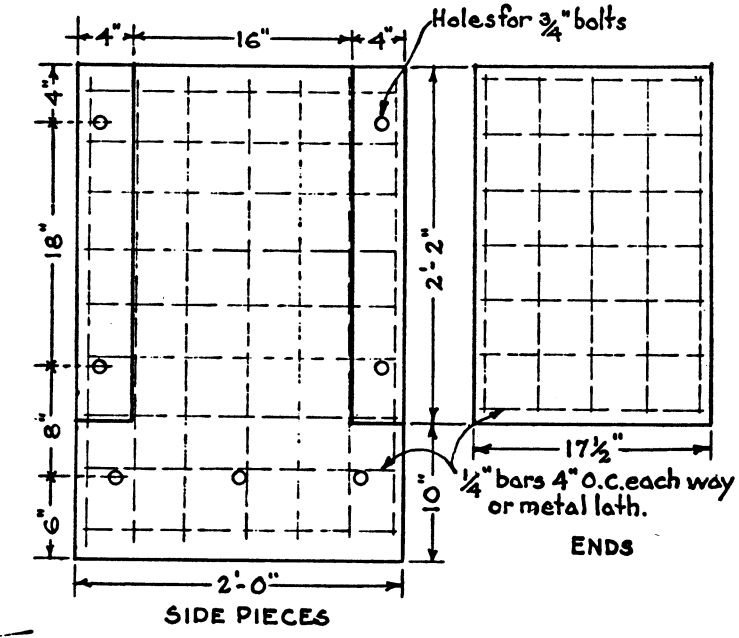
DRAWING No.
847-5197



FARM SPRINGHOUSE: 1 sheet.

DRAWING No.
852 – 5164





Bill of Materials

Concrete, 1-2-3 Mix
- 1-sack of cement.
- 2-cu.ft. of sand.
- 3-cu.ft. of gravel.

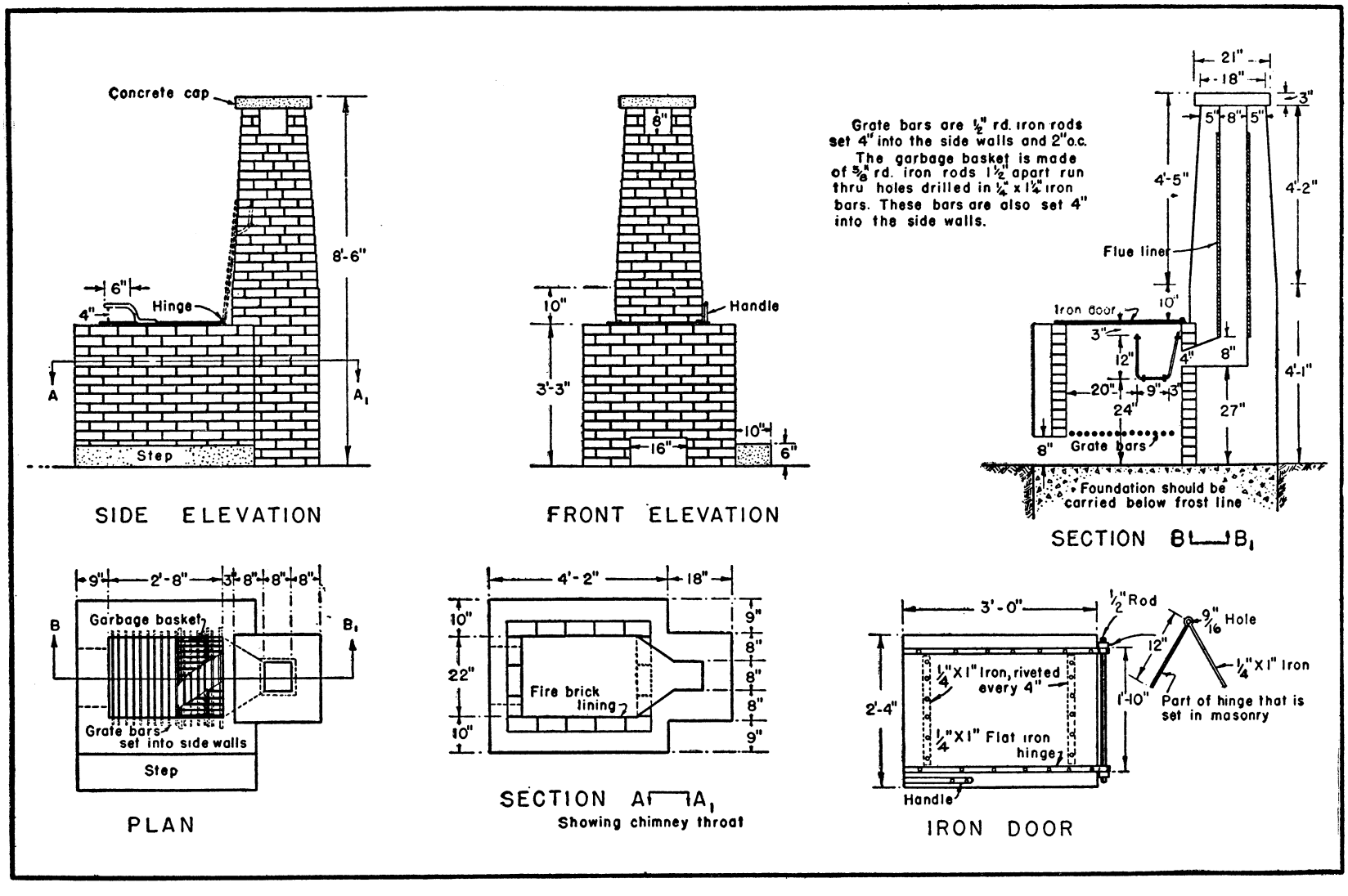
Reinforcement
- 14-¼" rods 2'-10" long.
- 10-¼" rods 2'-0" " .
- 18 ¼" rods 22" " .
- 14 ¼" rods 15½" " .

Bolts; 7-¾" diam. 22½" long (with nuts and 2" washers)
Grate; 1 piece of expanded metal 16"x2'-0"

The concrete should be mixed; 1 part Portland cement, 2 parts sand and three parts gravel. If the gravel is of such a character as to be disintegrated by heat it will be best to use broken brick or terra cotta in particles from ¼" to ½" in size.
After the slabs have been made they should be covered as soon as there is no danger of marring them, with moist straw, sacks, or earth and left for from 2 to 3 weeks to thoroughly and slowly harden.

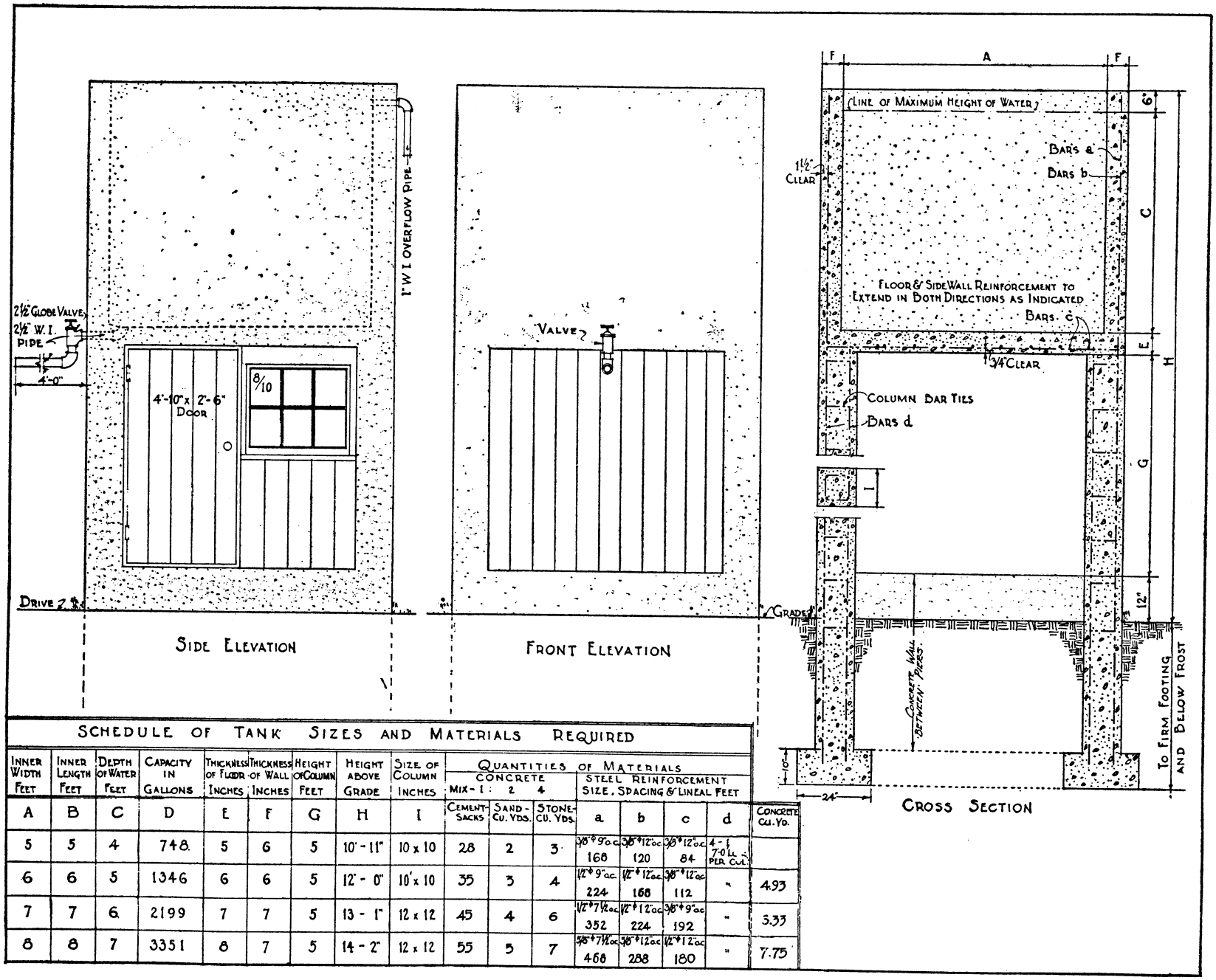
TRASH BURNER: 1 sheet.

DRAWING No.
852-5198



INCINERATOR: 1 sheet.

DRAWING No.
315 – 5415



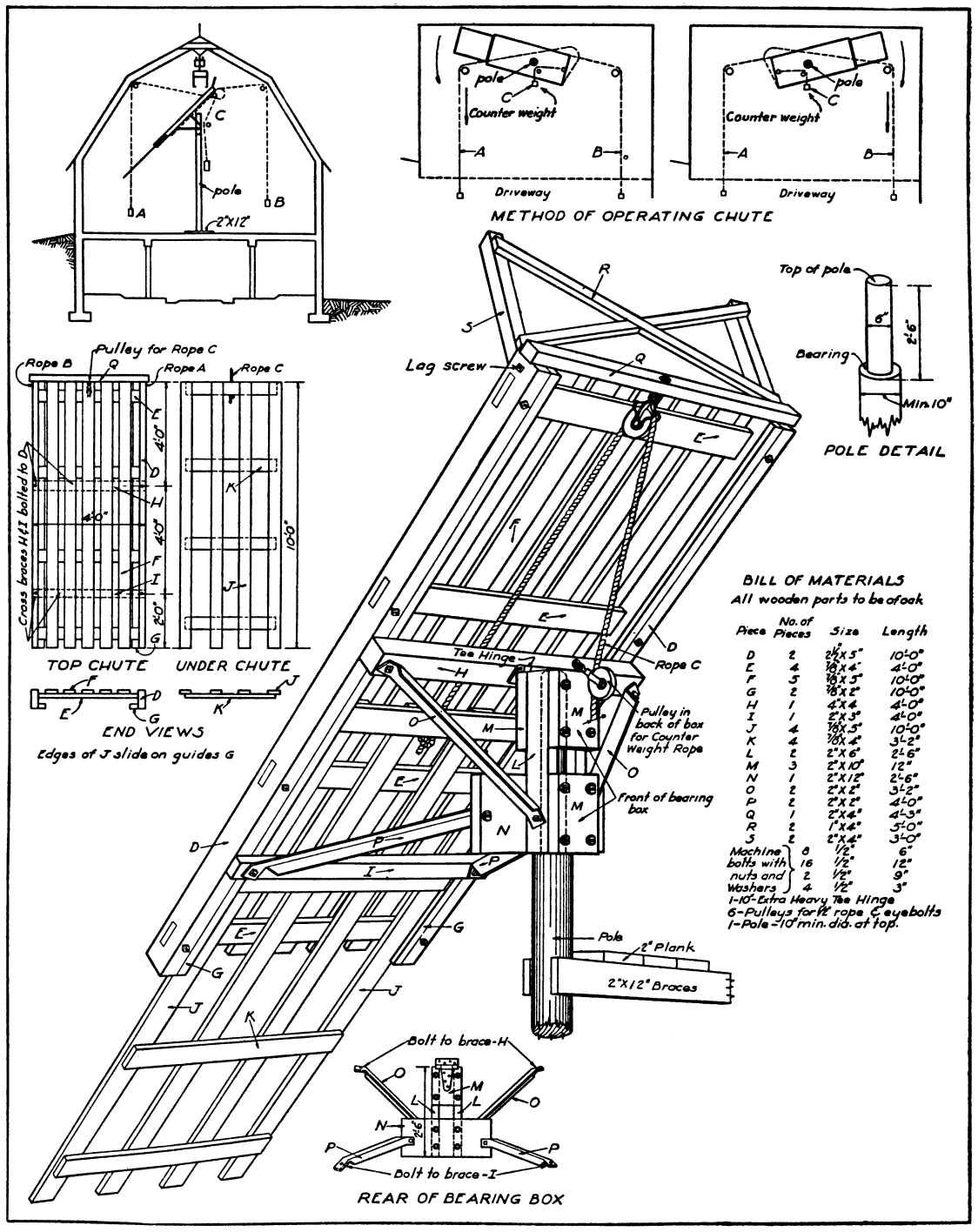
SCHEDULE OF TANK SIZES AND MATERIALS REQUIRED

Inner Width Feet	Inner Length Feet	Depth of Water Feet	Capacity in Gallons	Thickness of Floor Inches	Thickness of Wall Inches	Height of Column Feet	Height above Grade	Size of Column Inches	Quantities of Materials: Concrete Mix - 1 : 2 : 4			Steel Reinforcement Size, Spacing & Lineal Feet				Concrete Cu. Yd.
A	B	C	D	E	F	G	H	I	Cement - Sacks	Sand - Cu. Yds.	Stone - Cu. Yds.	a	b	c	d	
5	5	4	748	5	6	5	10' - 11"	10 x 10	28	2	3	3/8" ϕ 9" o.c. 168	3/8" ϕ 12" o.c. 120	3/8" ϕ 12" o.c. 84	4 - 1 7-0 LL PER CU.	
6	6	5	1346	6	6	5	12' - 0"	10' x 10	35	3	4	½" ϕ 9" o.c. 224	½" ϕ 12" o.c. 168	3/8" ϕ 12" o.c. 112	"	4.93
7	7	6	2199	7	7	5	13 - 1"	12 x 12	45	4	6	½" ϕ 7½" o.c. 352	½" ϕ 12" o.c. 224	3/8" ϕ 9" o.c. 192	"	5.33
8	8	7	3351	8	7	5	14 - 2"	12 x 12	55	5	7	5/8" ϕ 7½" o.c. 468	3/8" ϕ 12" o.c. 288	½" ϕ 12" o.c. 180	"	7.75

STATIONARY SPRAY TANK: 750 to 3,350 gallons; 1 sheet.

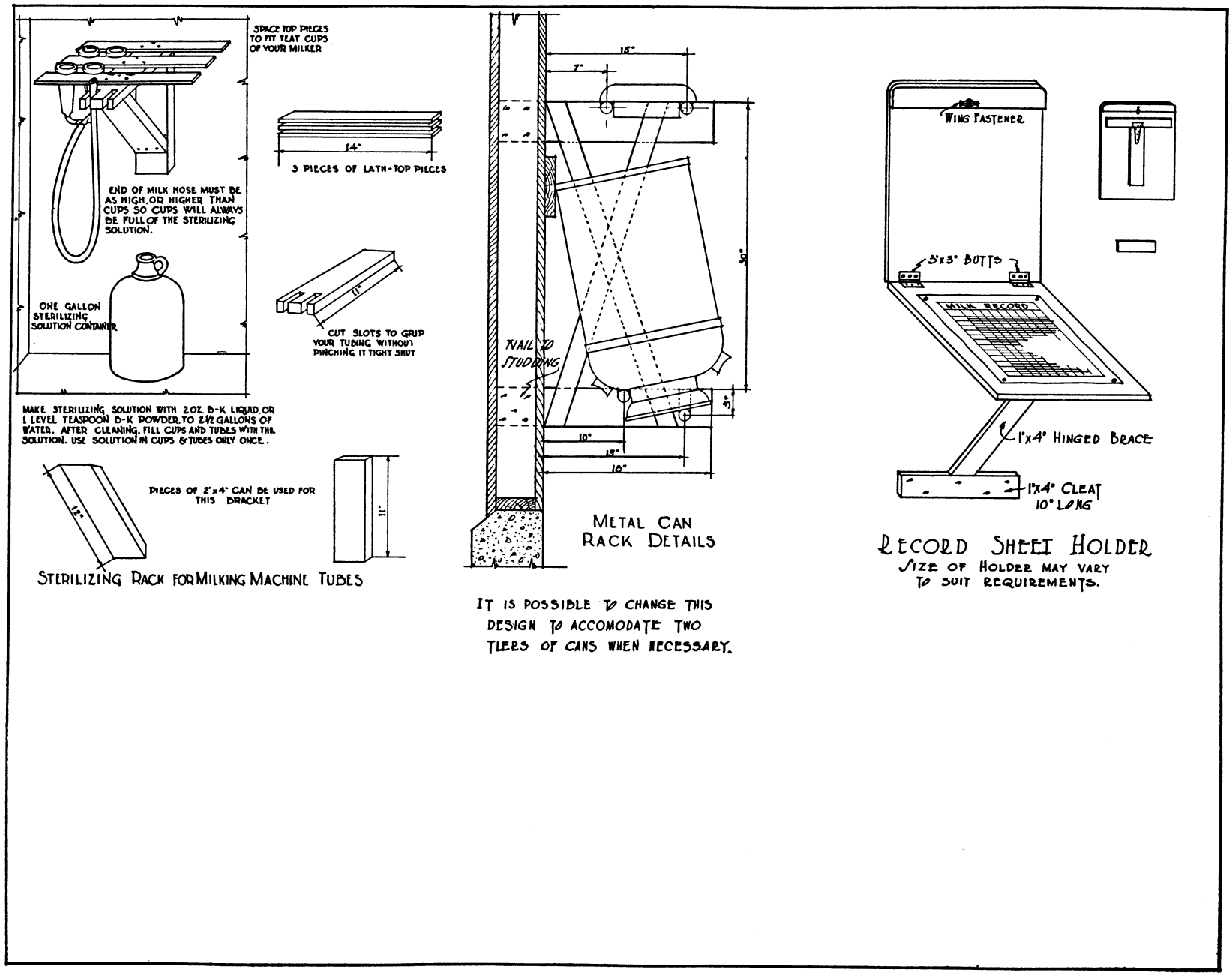
DRAWING No.

317 – 5414



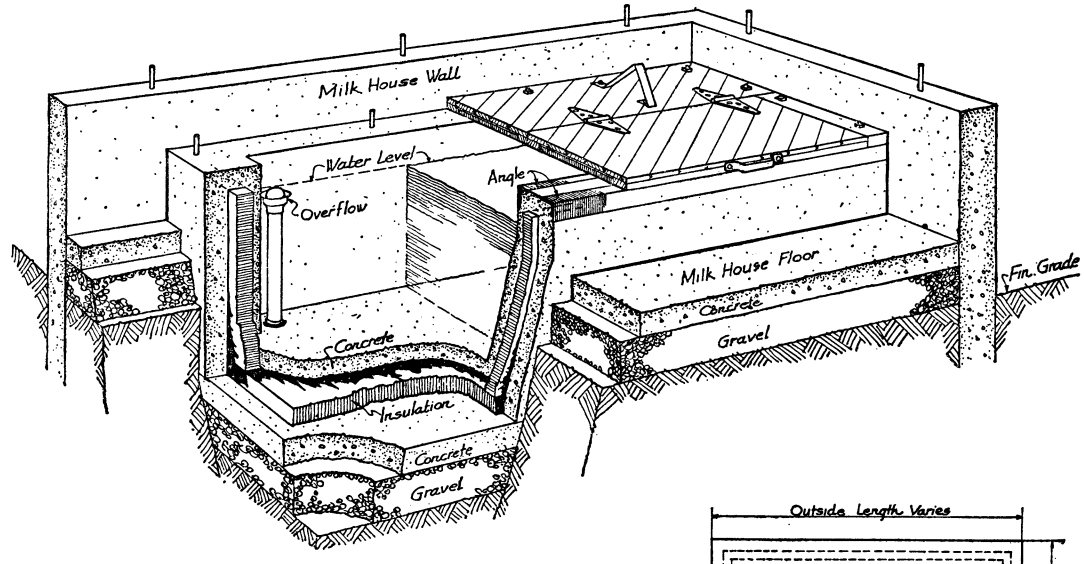
HAY CHUTE: 1 sheet.

DRAWING No.
324-5155

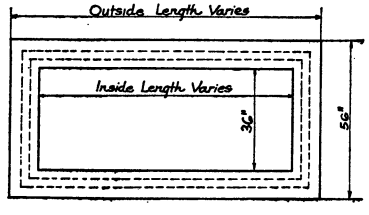


MILK-CAN SUNNING RACK AND RECORD HOLDER: 1 sheet.

DRAWING No.
324 – 5180



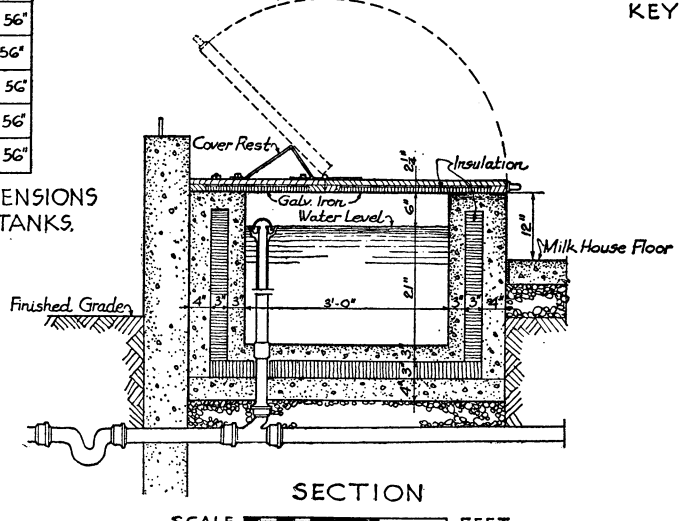
PERSPECTIVE VIEW
OF 10-CAN TANK



KEY PLAN

NUMBER OF 40-QT. CANS	TANK DIMENSIONS	
	INSIDE	OUTSIDE
2	24" x 36"	44" x 56"
4	36" x 36"	56" x 56"
6	54" x 36"	74" x 56"
8	72" x 36"	92" x 56"
10	90" x 36"	110 x 56"
12	108" x 36"	128" x 56"

TABLE SHOWING DIMENSIONS
OF VARIOUS SIZE TANKS.



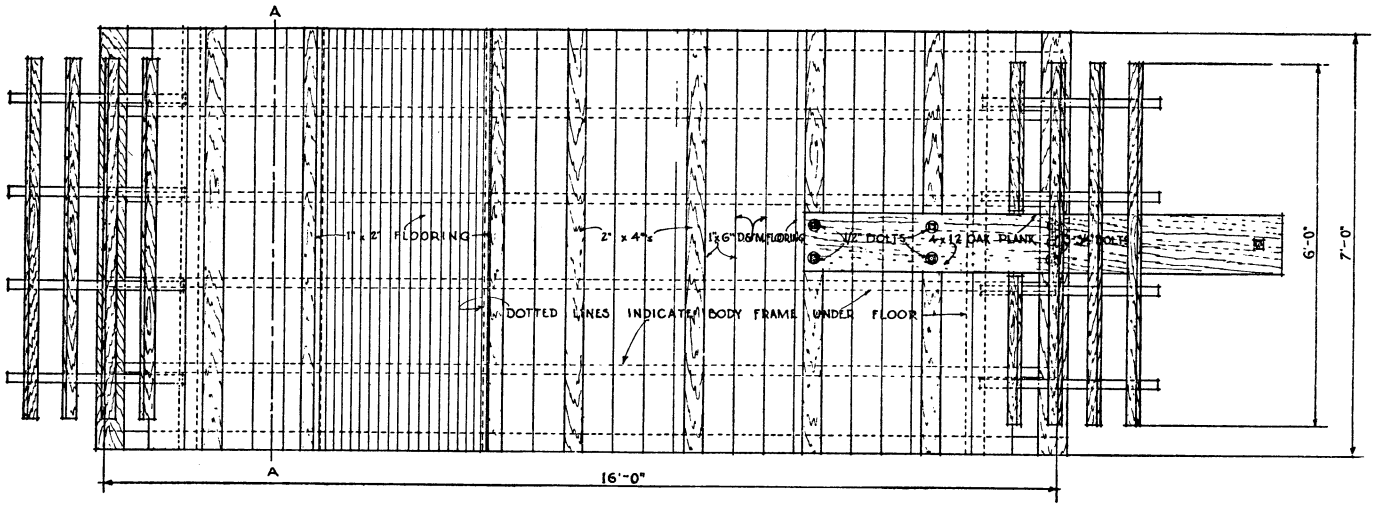
SECTION

SCALE 0 1 2 3 FEET

MILK-CAN COOLING TANK

Two to twelve 5-gallon cans; 2 sheets.

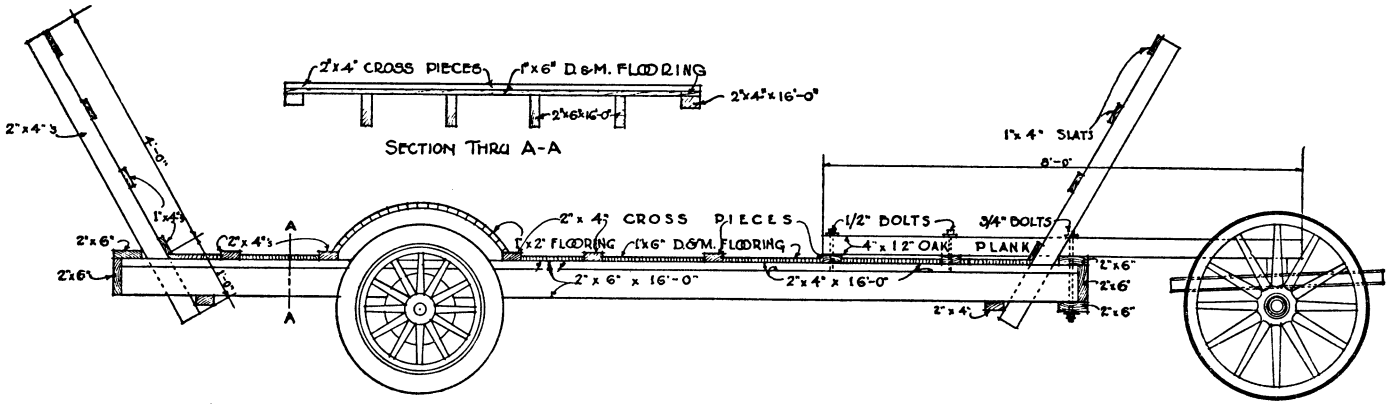
DRAWING No.
331 – 5416



PLAN OF WAGON BODY

WHEELS NOT INDICATED

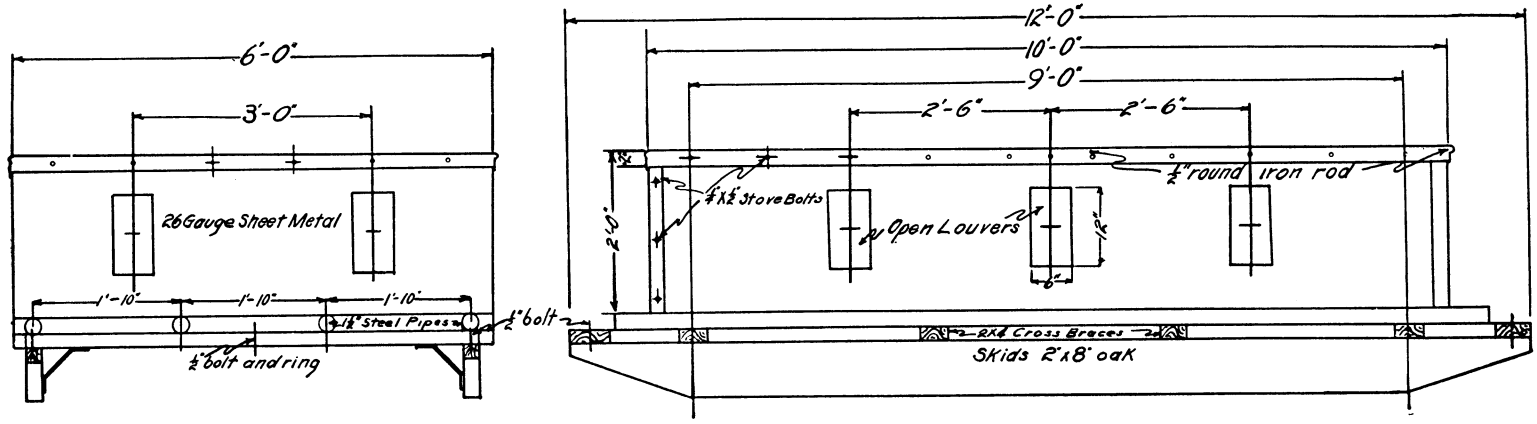
SECTION THRU A-A



SIDE ELEVATION

LOW WAGON: 1 sheet.

DRAWING No.
332-5417



BRUSH BURNER

Scale – 1 in. = 1 ft.

BRUSH-BURNER SLED: 1 sheet.

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Supplemental Plans

NOTE: Request the extension service of your State college of agriculture to mail you a list of the plans and bulletins illustrating the construction of other farm buildings especially recommended for use in your State.

Keep the list in this envelope.