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Index of plans: October 1924. October 1924

[s.l.]: [s.n.], October 1924

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INDEX OF PLANS - OCTOBER 1924.

~~RECEIVED~~ New Plans Indicated by *

-B-

Documents Department
Steenbock Memorial Library
University of Wisconsin - Madison
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Madison, WI 53706-1293

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.....MENT
STEENBOCK MEM. LIBRARY

Barns

- B-1, 5 Plates - 34'-0" x 56'-0". Accommodates 14 cows, 4 horses, 2 box stalls. Horizontal siding. Cows face in. Silo at end. Plank Truss.
- B-2, 7 Plates - 36'-0" x 86'-0". Accommodates 22 cows, 6 horses, 4 box stalls. Vertical or horizontal siding. Cows face out. Silo at side. Driveway through center. Plank Truss.
- B-3, 4 Plates - Gothic Roof, 36'-0" x 96'-0". Accommodates 25 cows, 6 horses, 4 box stalls, harness room. Horizontal siding. Silo at side.
- B-4, 4 Plates - 36'-0" x 84'-0". Accommodates 22 cows, 6 horses, 4 box stalls. Horizontal siding. Cows face in. Silo at end. Plank Truss.
- B-5, 3 Plates - Pioneer Barn, 18'-0" x 56'-0" with shed roof and no hay storage at first. Later 36'-0" x 56'-0", gambrel roof, feed alle in center. Silo at end. First capacity 8 cows, 3 horses, 1 box stall. Double capacity later.
- B-6, 4 Plates - 36'-0" x 64'-0". Accommodates 16 cows, 4 horses, 4 box stalls. Horizontal siding. Cows face in. Silo at side. Braced Rafter

- *B-7, 1 Plate - Barn Door Details. Cattle, horse and feed alley doors 3'-6" to 4'-0" wide and 8' high.
- *B-8, 1 Plate - Dairy Barn Window Details. Double window, each for an opening 21" wide and 42" high and with six 8 x 12 lights in each.
- *B-9, 1 Plate - Dairy Barn Window Details. Opening 30" wide by 40" high. Nine 8 x 14 lights.
- *B-10 3 Plates - One Story Barn, 34'-0" x 56'-0". Accomodates 24 cows, 2 box stalls. Cows face in.
- *B-11 4 Plates - Dairy Barn, 34'-0" x 88'-0". 24 cows, 4 box stalls, feed room. Cows face in. Braced rafter.
- *B-12 4 Plates - Dairy Barn, 32'-0" x 79'-0". 24 cows, 4 box stalls, feed room. Cows face in. Braced rafter.
- *B-13 2 Plates - Pioneer Barn, 19'-0" x 36'-0". At first for 5 cows and 2 horses. Later 34'-6" x 36'-0" for two rows of cows.
- *B-14 4 Plates - Gothic Roof Dairy Barn, 34'-0" x 88'-0". Cows face in. Main rafter with rafter girts.

Machine Sheds

- C-, 3 Plates - Gable roof with scissors truss, 24'-0" in width, continuous doors in front, 10'-0" in width. Large door in end. Shed can be built any desired length.

Dairy Houses

- D-1, 2 Plates - 10'-0" x 12'-0". Has attached, engine room and sunning rack. Space is provided for a pump, separator, tester, table and cooling tank.
- D-2, 2 Plates - Reinforced concrete milk house under driveway to barn, 9'-0" x 12'-0" inside. Space for separator, can rack, and cooling tank.
- D-3, 1 Plate - 14'-0" in diameter. To be constructed with concrete silo forms. Attached engine room and sunning rack. Space provided for churn, separator, cooling tank and sink.

-G-

Granaries

- G-1, 2 Plates - Granary and corn crib combined with 8'-0" driveway between. Size of each 8'-0" x 36'-0".
- G-2, 3 Plates - 23'-0" x 34'-0". 12 ft. studs. Driveway running through with crib on each side and grain bin above. Provision made for elevator.

Houses

- H-5, 2 Plates - 22'-0" x 36'-0" Colonial.
7 rooms, central hall, large living room and laundry on first floor.
- H-6, 2 Plates - 26'-0" x 36'-0" semi Colonial,
8 rooms, bedroom and laundry on first floor.
- H-4, 3 Plates - One unit house with half unit to be added later.
- H-7, 1 Plate - One story 24'-0" x 36'-0",
living room and dining room combined, kitchen, 2 bedrooms and bath.
- *H-8, 2 Plates - One story 24'-0" x 38'-0",
dining and living room combined, kitchen, 3 bedrooms, bath and laundry. Modification showing stair to basement and attic.
- *H-9, 2 Plates - One story 24'-0" x 33'-6",
living room and dining room combined, kitchen, 2 bedrooms and bath. Modification showing stair to basement and attic.
- *H-10 2 Plates - One story 25'-0" x 34'-0",
living room, kitchen, 2 bedrooms and bath. Modification showing stair to basement and attic.
- H-11 1 Plate - One story 26'-0" x 34'-0", livin
room, dining room, kitchen, 2 bedrooms and bath.
- H-12 2 Plates - Two-story, 26'-0" x 28'-0",
living room and dining room combined, kitchen and wash room on first floor. Four bedrooms and bath on second.

H-1251, 1 Plate - Two-room pioneer house.

H-1261, 1 Plate - Four-room pioneer house.

-I-

Ice House

I-1, 2 Plates - 14'-0" x 14'-0". For storage only with space 12'-0" x 12'-0" x 12'-0" high. Frame construction, 40 ton capacity.

I-2, 2 Plates - Storage space 12'-0" x 12'-0" x 12'-0" high and cold storage room 6'-0" x 8'-0" with vestibule 3'-0" x 6'-0". Frame construction.

*I-3, 1 Plate - Ice box, 5'-4" wide, 3'-4" deep, 3'-8" high including ice, bunker and storage space.

Sheep Barns

K-1, 1 Plate - Lamb and sheep feeding rack.

K-2, 1 Plate - Sheep feeding rack.

K-3, 2 Plates - 22'-0" x 34'-0". Tamarack poles for posts and girts.

K-4, 4 Plates - 24'-0" x 72'-0". Two stories high with gambrel roof. Lean-to 12'-0" x 38'-0" for lambing pens, feed room and shepherd's room.

-L-

*L-1, 2 Plates - One Car Garage, 12'-0" x 20'-0".

*L.C.1- 2 Plates - Conrath Piler. A home made device for piling large stumps.

- *L.C. 2 - 1 Plate - Home made dump dray. A platform 2'-6" high mounted on runners and pivoted for dumping.
- *L.C. 3 - 1 Plate - Mallet Stump Puller. A simple device for using a team on a lever for lifting stumps.
- *L.C. 4 - 1 Plate - Box for blasting caps. Home made and simple.

-M-

Miscellaneous

- M-1, 1 Plate - Wooden silo forms for 12' or 14' silos. Section made 2'-6" high.
- M-4, 1 Plate - Basket Hay Rack.
- *M-5, 1 Plate - Cattle Restraining Chute.
- *M-6, 1 Plate - One Man Hayrack.
- *M-7, 2 Plates - Concrete Roller.
- *M-8, 1 Plate - Hot Bed.
- *M-9, 1 Plate - Manure Pit, 14'-0" x 20'-0". Wall 4' high. Posts 5' high with roof.
- *M-10 3 Plates - Tobacco Curing Barn 32'-0" wide. Length as desired.

-P-

- P-1, 2 Plates - Two-pen poultry house.
- *P-2, 2 Plates - Poultry House 20'-0" x 20'-0". Gable roof.
- *P-3, 1 Plate - Poultry house 20'-0" x 32'-0". Gable roof with one side longer than the other.

Root Cellars

- R-1, 1 Plate - 12'-0" x 16'-0". Reinforced concrete construction. 4'-0" high at side and 10'-0" at center. Roof vaulted.
- R-2, 1 Plate - 12'-0" x 16'-0". Concrete walls 6'-6" high. Roof is of frame construction with earth fill on top.
- R-3, 1 Plate - 14'-0" x 16'-0" built with 6" tamarack poles.

-S-

Swine Houses

- S-1, 2 Plates - 12'-0" x 48'-0", shed roof, wall 10'-0" in front, 6'-0" at rear. Six farrowing pens.
- S-2, 2 Plates - Wisconsin portable hog house, 6'-4" x 10'-0".
- S-3, 2 Plates - A-shaped portable hog cot 7'-0" x 8'-0".
- S-4, 2 Plates - Iowa portable hog house 6'-0" x 8'-0".
- S-5, 3 Plates - Gambrel roof hog house 24'-0" x 48'-0". Two-story with hay storage above, 15 pens 6'-0" x 10'-0", one provided with 4'-0" feed alley extending down through center of building.
- S-6, 3 Plates - Two-story gambrel roof hog house, 28'-0" x 48'-0". Has six 10'-0" x 12'-0" pens which can be divided. Cooker space and boar pen.

- S-7, 2 Plates - Half monitor hog house, 24'-0" x 48'-0". Eleven pens 8'-0" x 9'-0" are provided with a 6'-0" feed alley extending down through center of building.
- *S-8, 3 Plates - Hog House, 26'-0" x 50'-0". Low gambrel roof.
- *S-9, 3 Plates - Hog House, 22'-0" x 50'-0". Modified half monitor roof with glass.

Cheese factories and Creameries after plans suggested by Fred Marty, Ed. Dodge, Math Michels and H. C. Larsen, and the dairy department.

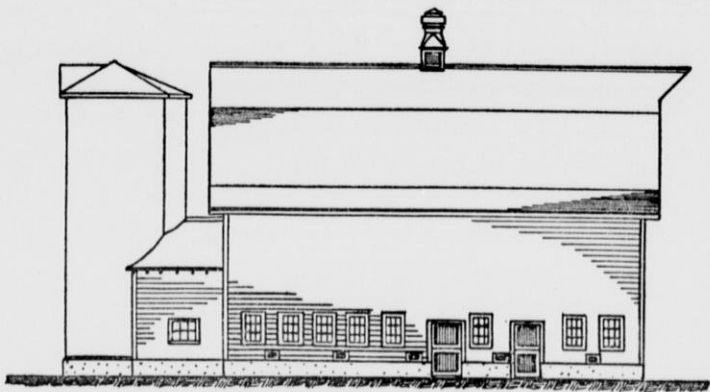
- *W-1, 1 Plate - Cheese Factory, 30'-0" x 48'-0" with a lean-to 16'-0" x 36'-0" for coal, boiler, store and office rooms. Daily capacity 6000 to 10,000 pounds of milk.
- *W-2, 1 Plate - Cheese Factory, Brick and Limberger. Capacity 12,000 to 15,000 pounds of milk daily.
- *W-3, 1 Plate - Cheese Factory, Swiss, Capacity 6000 to 8000 pounds of milk daily.
- *W-4, 2 Plates - Creamery Refrigerator. Ice bunker overhead with storage space below.
- *W-5, 3 Plates - Creamery 30'-0" x 60'-0" with additional boiler room and coal bin.
- *W-6, 2 Plates - Creamery 24'-0" x 46'-0". About as small as is advisable.
- *W-7, 2 Plates - Cheese Factory, 28'-0" x 52'-0". Daily milk capacity 12000 pounds.

- *W-8, 2 Plates - Cheese Factory, 28'-0" x 40'-0".
Daily milk capacity 1200 pounds.
- *W-9, 3 Plates - Cheese Factory, 32'-0" x 73'-0".
Daily milk capacity 20,000 pounds.
- *-10, 4 Plates - Creamery 40'-0" x 60'-0".
Gable roof, no wings.

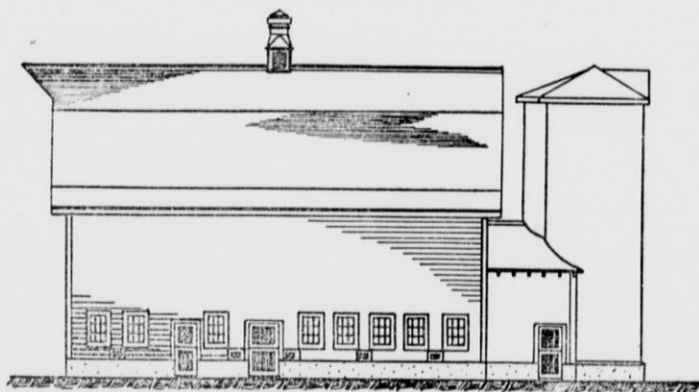
Any of the above plans are sent free upon request.

The following bulletins on farm buildings may be had free for the asking:

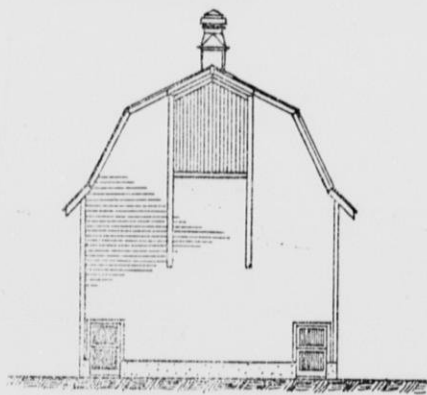
- Circular 87, Silos, Questions and Answers
- Circular 147, Turn on the Water. A brief description of the types of water systems used on farms.
- Circular 173, Septic Tanks
- Bulletin 325, Dairy Barns
- Bulletin 336, Poultry House Construction
- Bulletin 353, Farm Homes
- Stencil Bulletin 77, The Farm Cistern
- Leaflet on Rope Knots and Splices.



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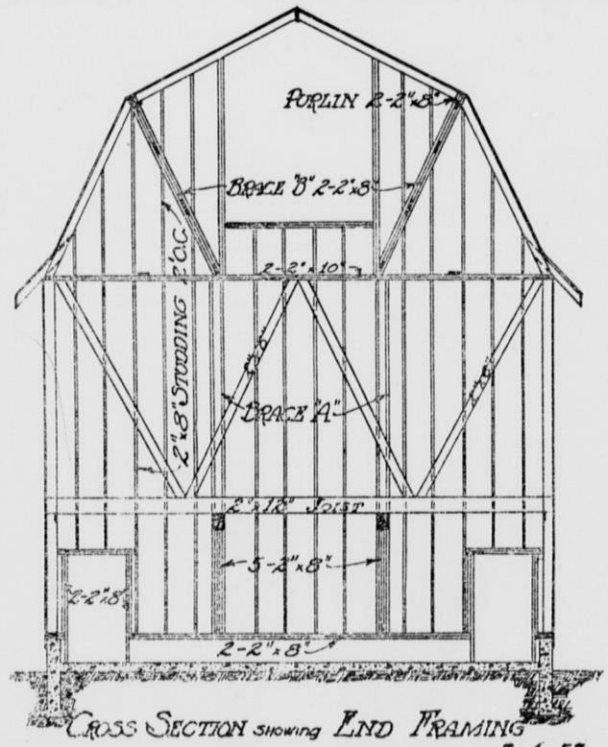
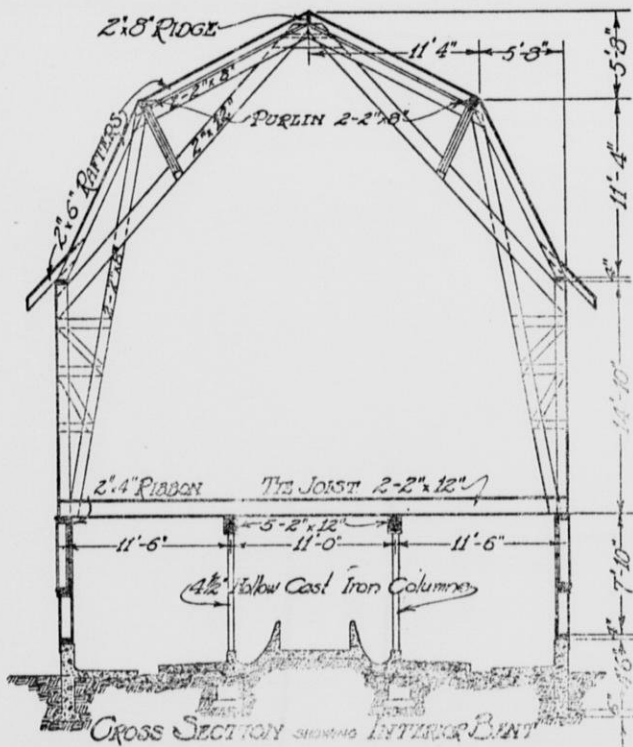


WEST ELEVATION



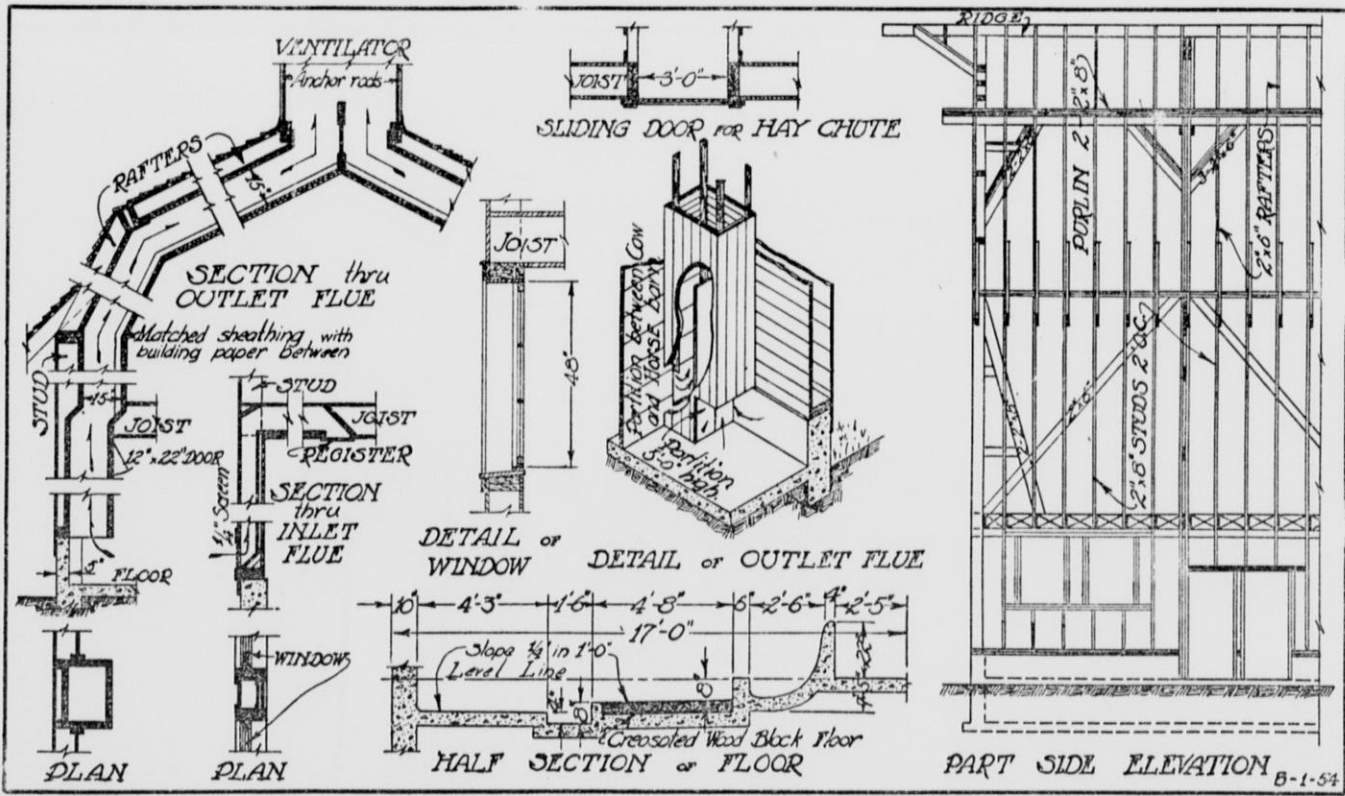
NORTH ELEVATION

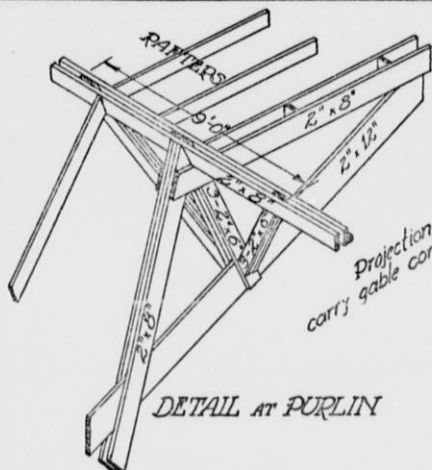
B-1-52



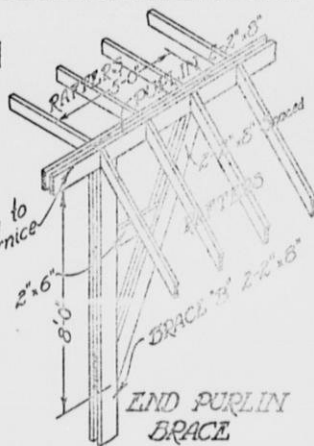
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DETAIL AT PURLIN



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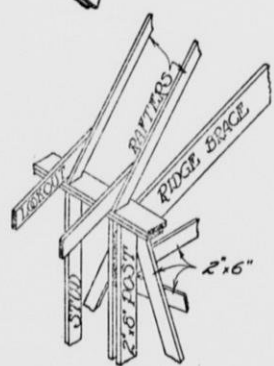
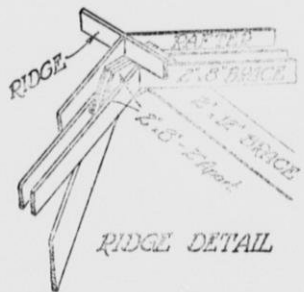
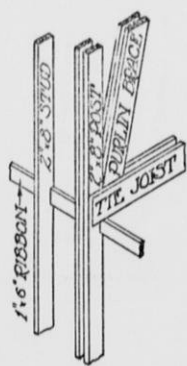


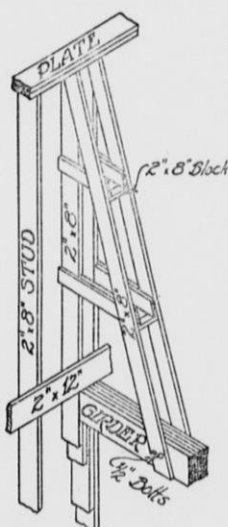
PLATE DETAIL



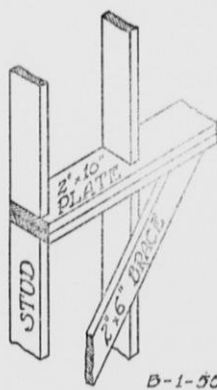
RIDGE DETAIL



TRUSS DETAIL.

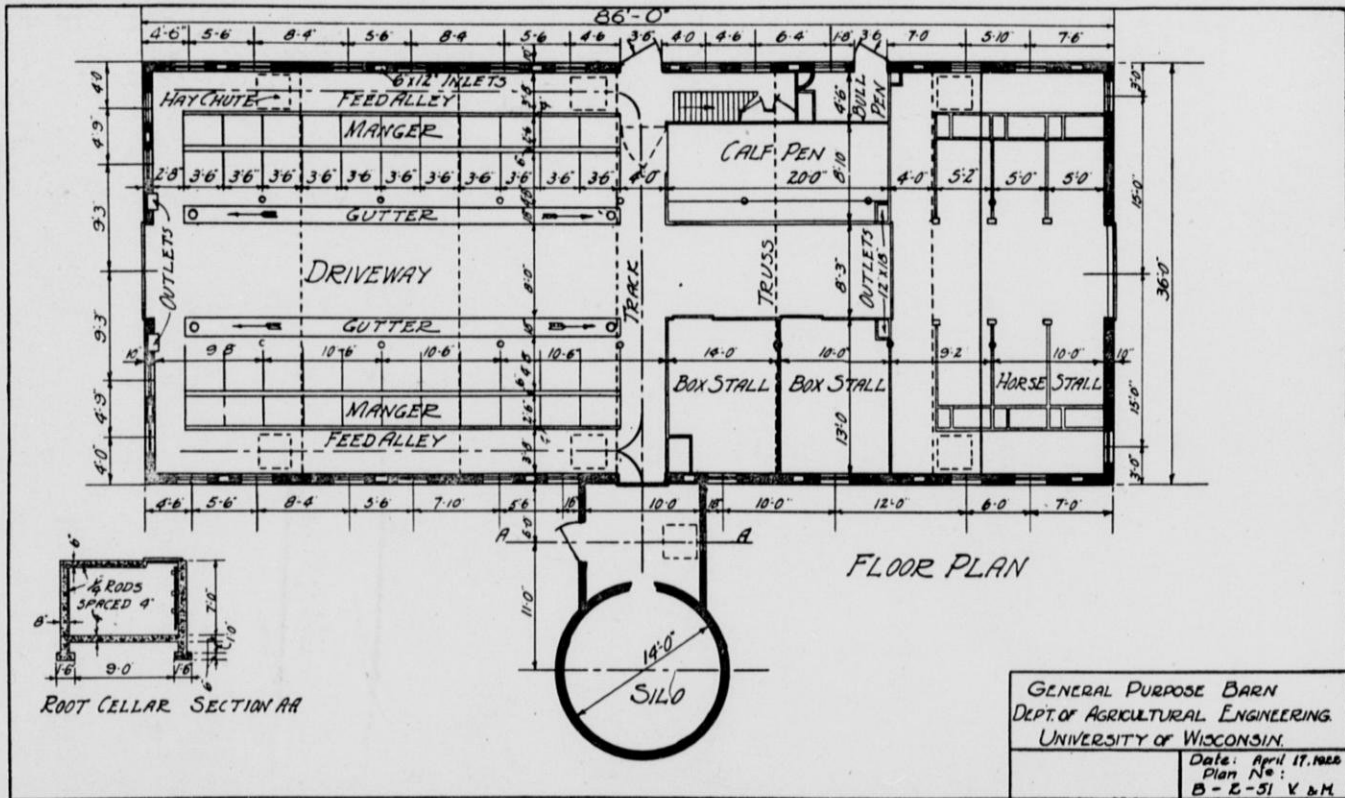


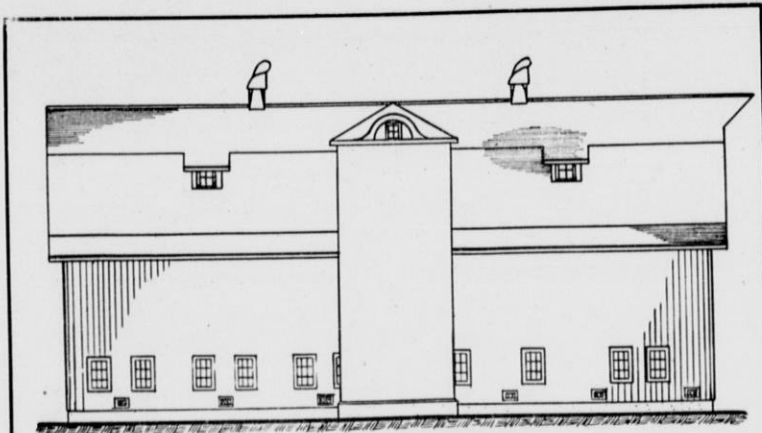
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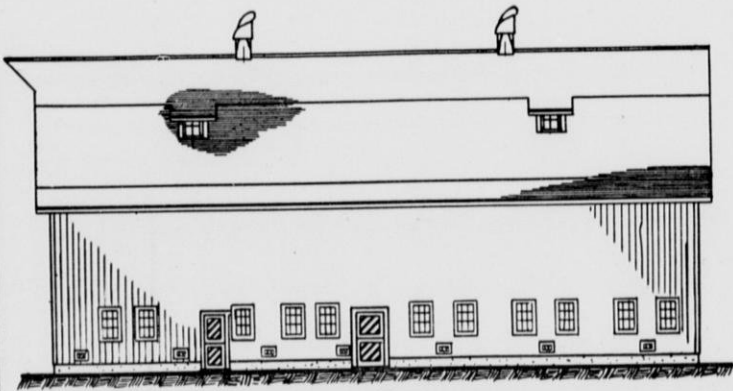
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B-1-55

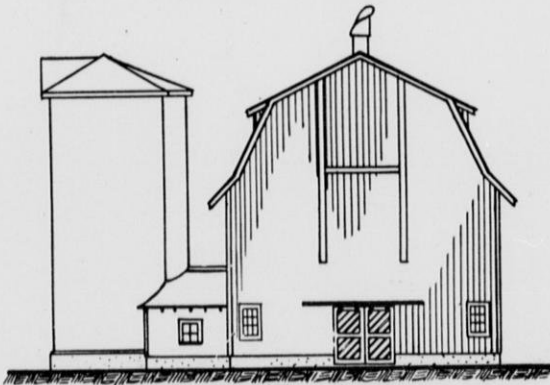




SOUTH ELEVATION

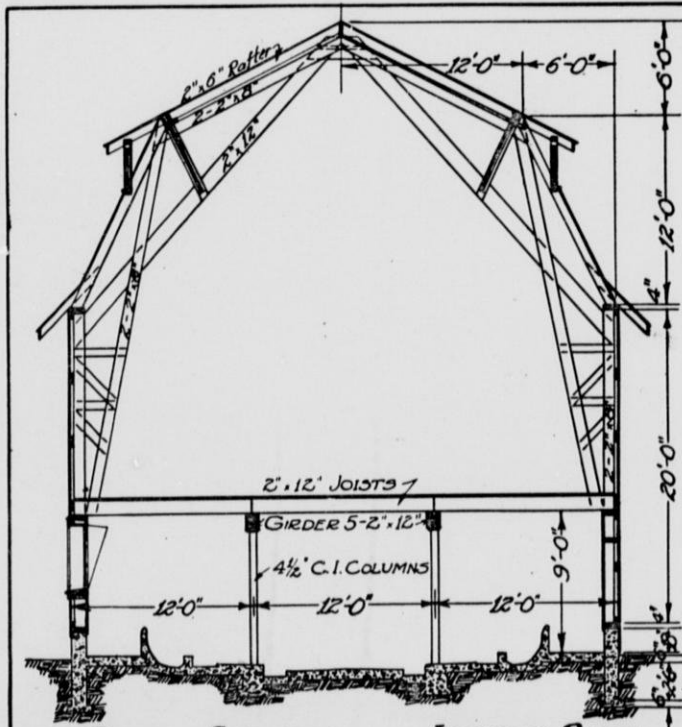


NORTH ELEVATION

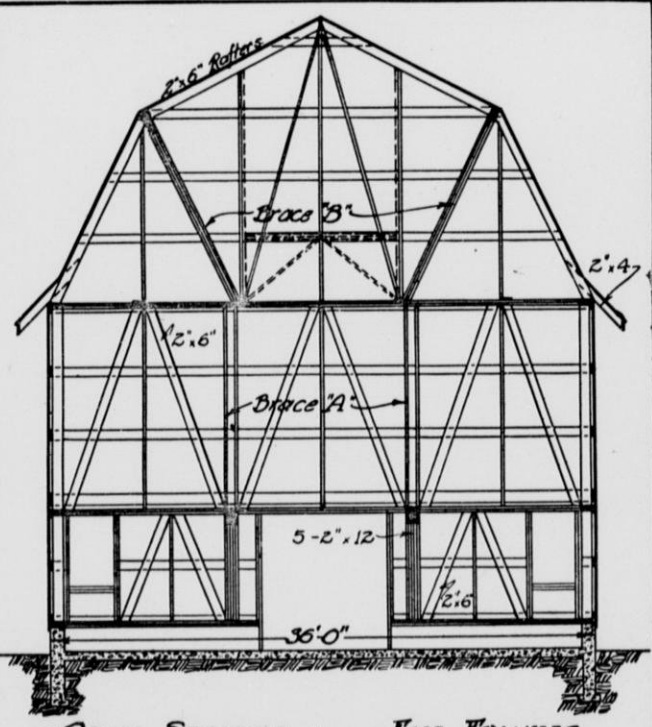


EAST ELEVATION

B-2-52 V

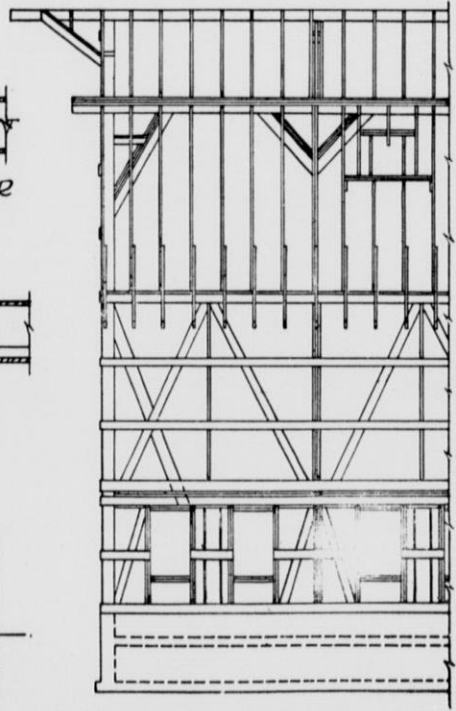
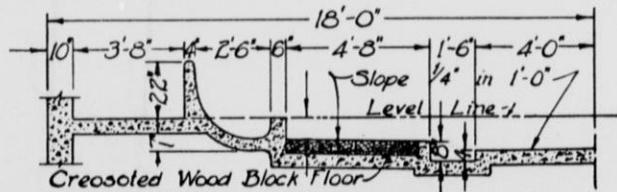
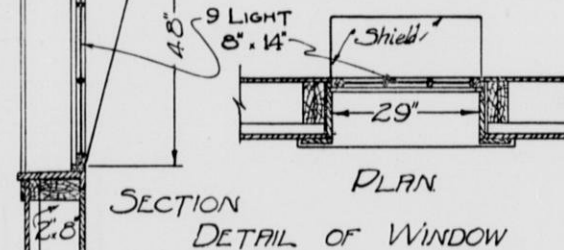
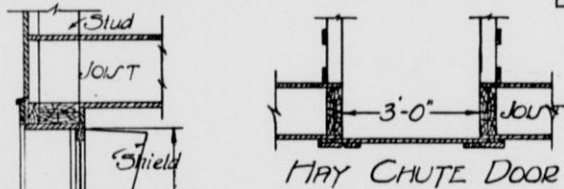
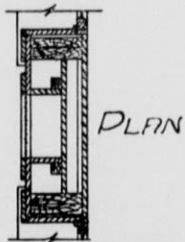
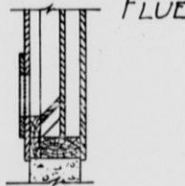
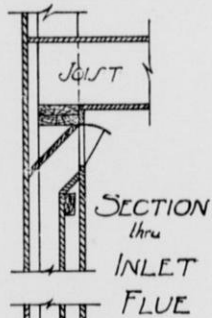


CROSS SECTION showing INTERIOR FRAMING.

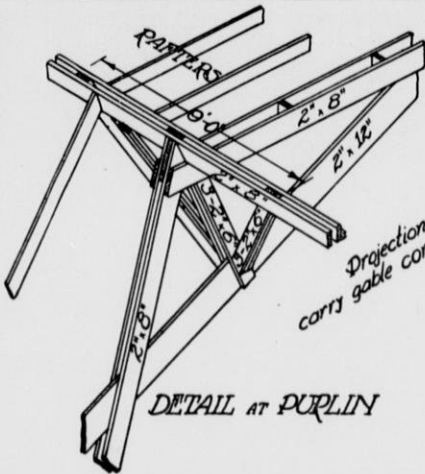


CROSS SECTION showing END FRAMING.

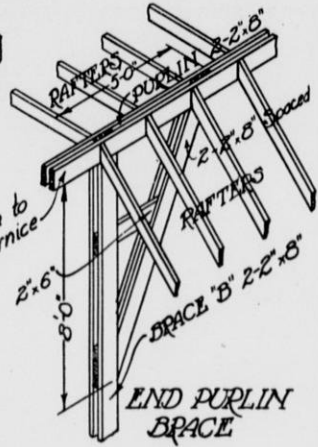
B-2-53 V



D-2-54 V



DETAIL AT PURLIN



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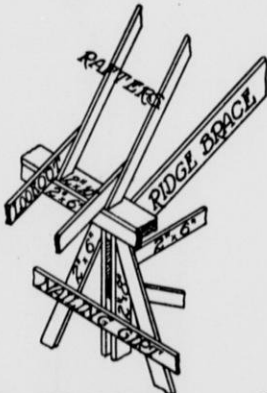
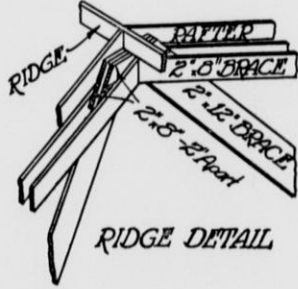
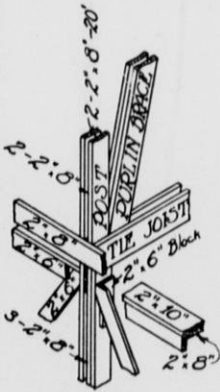


PLATE DETAIL



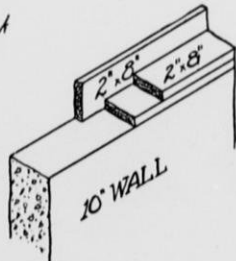
RIDGE DETAIL



TRUSS DETAIL

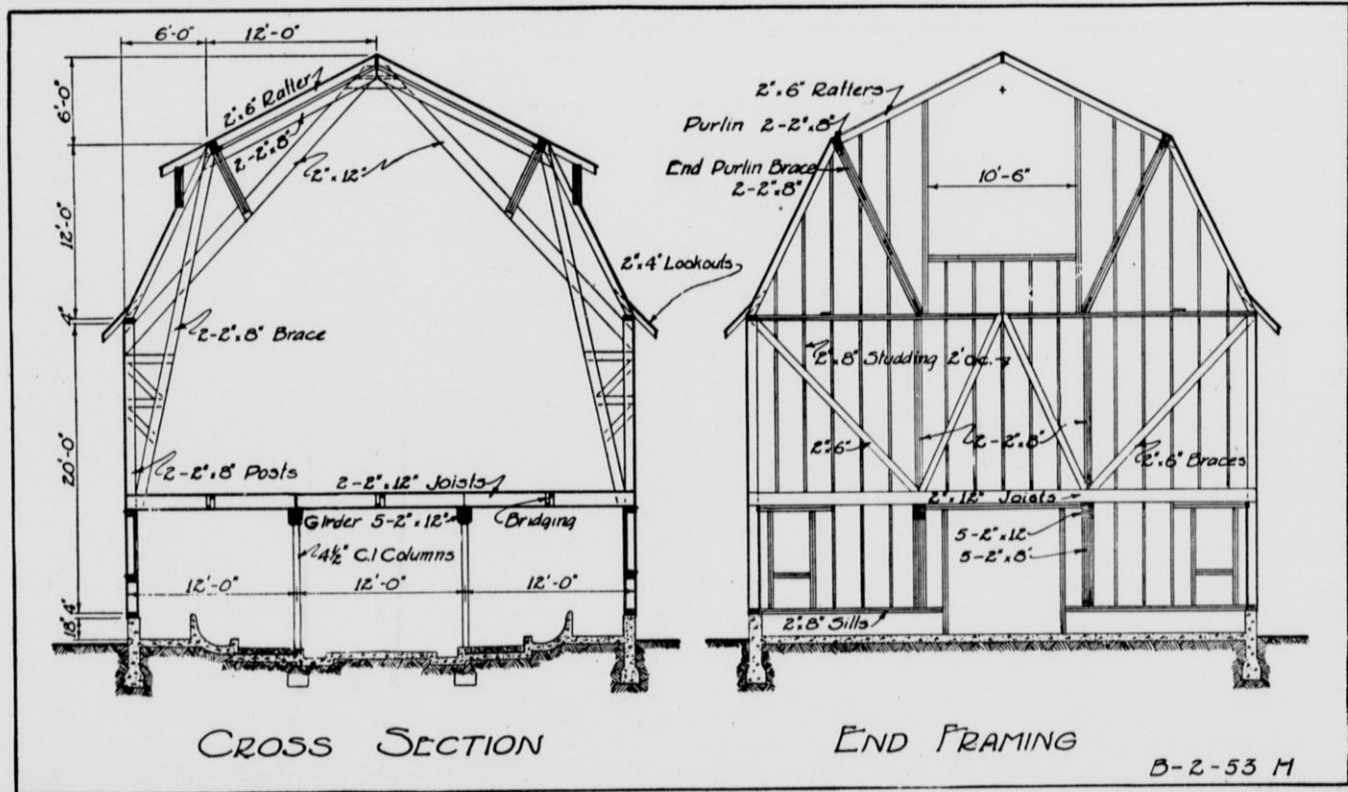


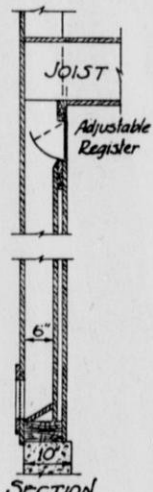
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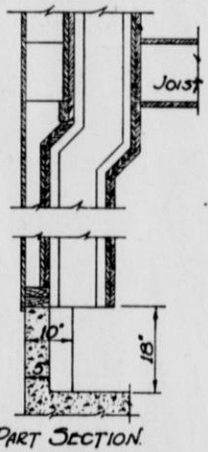
SILL DETAIL

B-2-55 V

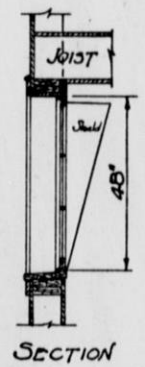




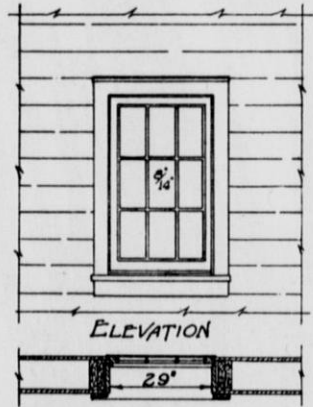
PLAN
INLET FLUE



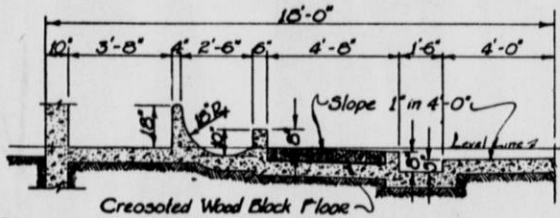
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OUTLET FLUE



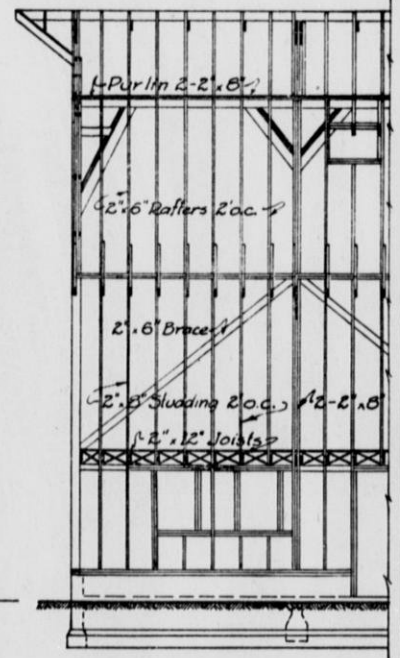
SECTION
PLAN



DETAIL OF WINDOW

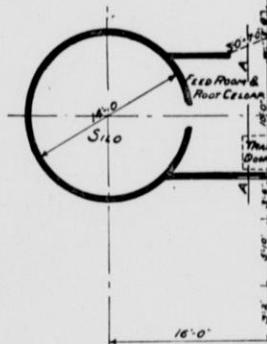


HALF SECTION OF FLOOR

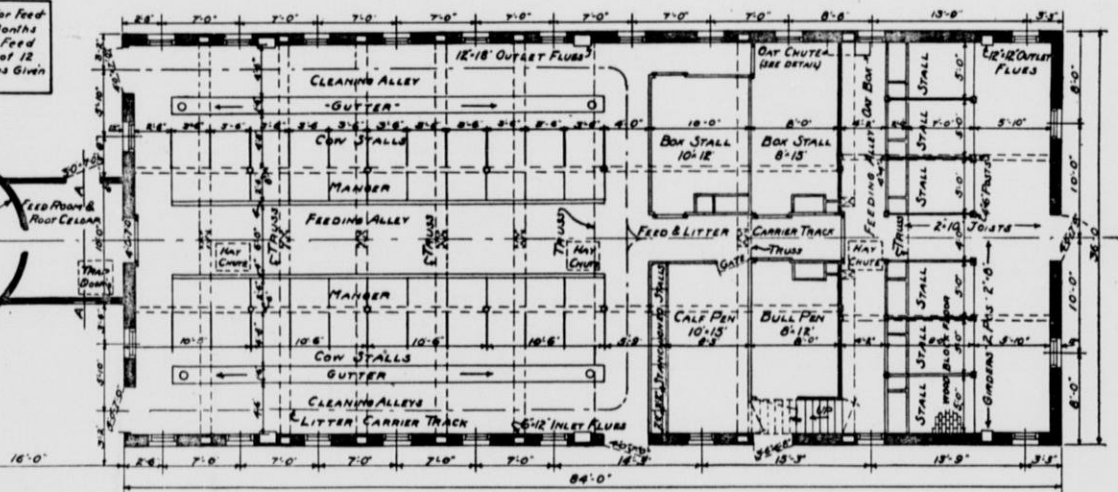


PART SIDE FRAMING.
B-2-54 M

Silo Planned for Feeding Season of 8 Months For 6 Months Feed Use a Diameter of 12 Feet And Height as Given on Elevation.

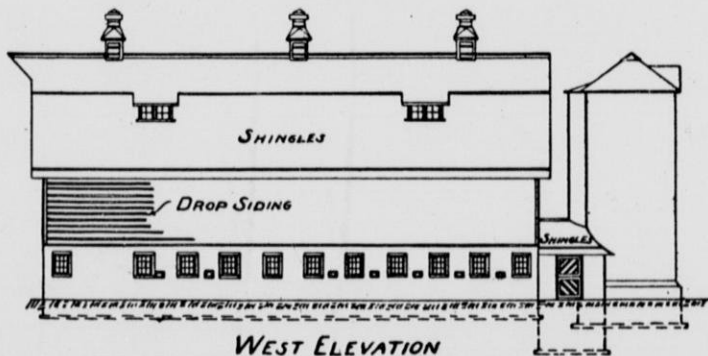
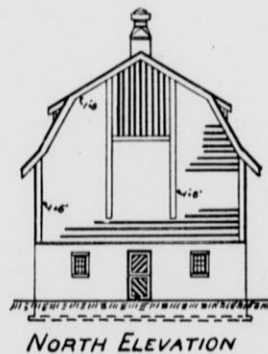
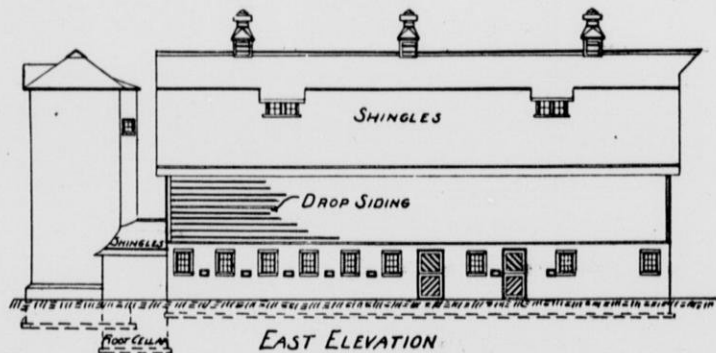


SECTION ON AA

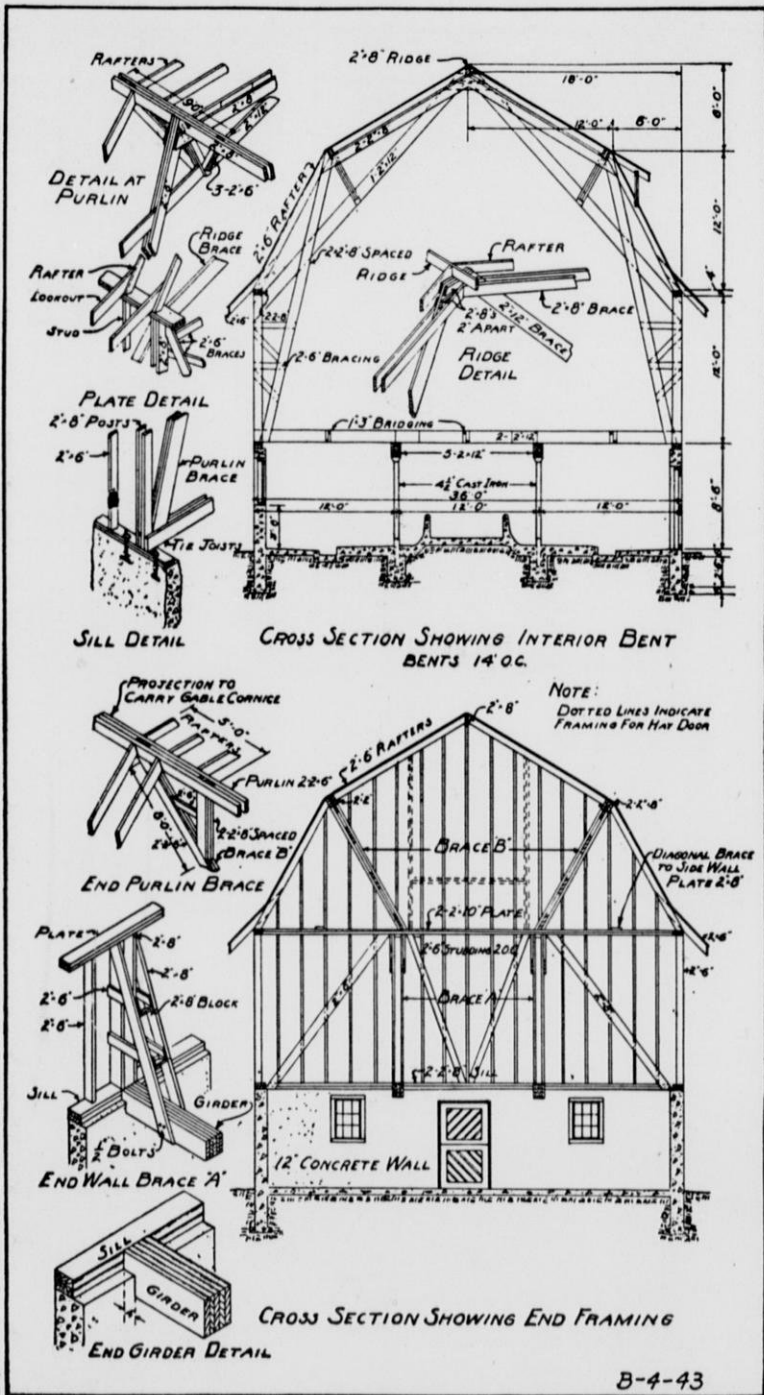


FRAME DESIGNED FOR NO. 1 HEMLOCK - IF NO. 1 YELLOW PINE IS USED THE FOLLOWING CHANGES SHOULD BE MADE -
 GIRDERS - 4 PCS 2-12 (OVER HORSE STALLS) 2 PCS 2-8
 JOISTS - 2-12 (OVER HORSE STALLS) 2-8

GENERAL PURPOSE BARN
 DEPT. OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 DATE May 28, 1922 Plan No. B-4-41

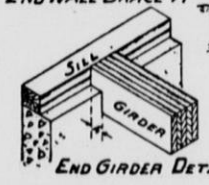
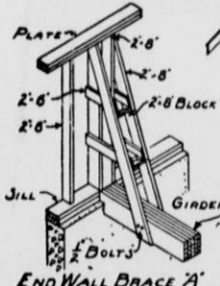
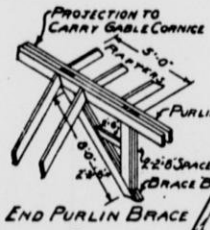


B-4-42



SILL DETAIL

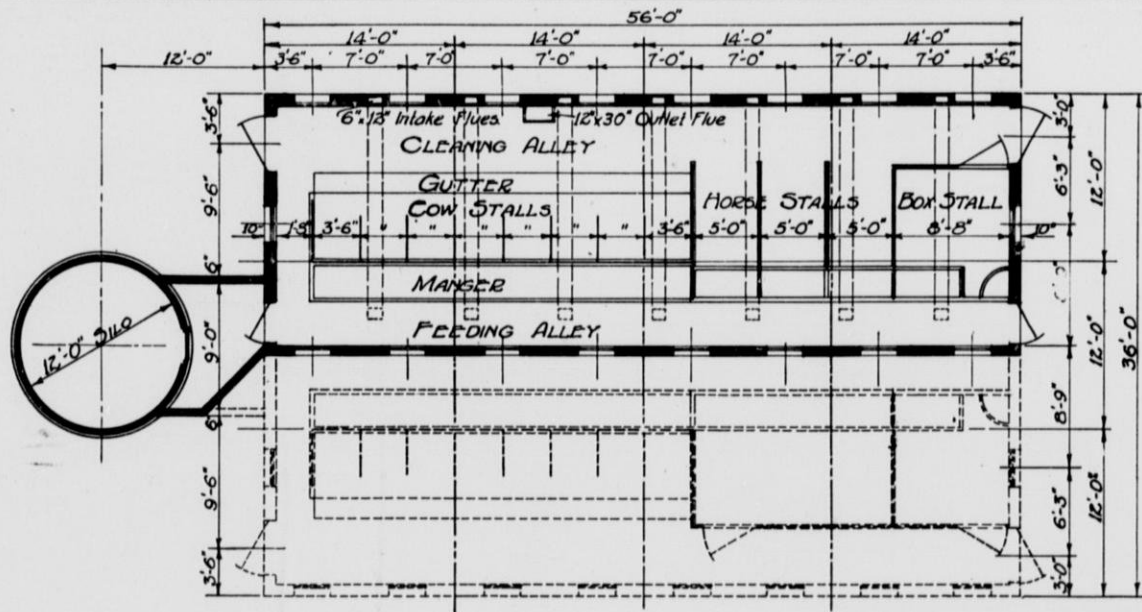
CROSS SECTION SHOWING INTERIOR BENT
BENTS 14' O.C.



NOTE:
DOTTED LINES INDICATE
FRAMING FOR HAY DOOR

CROSS SECTION SHOWING END FRAMING

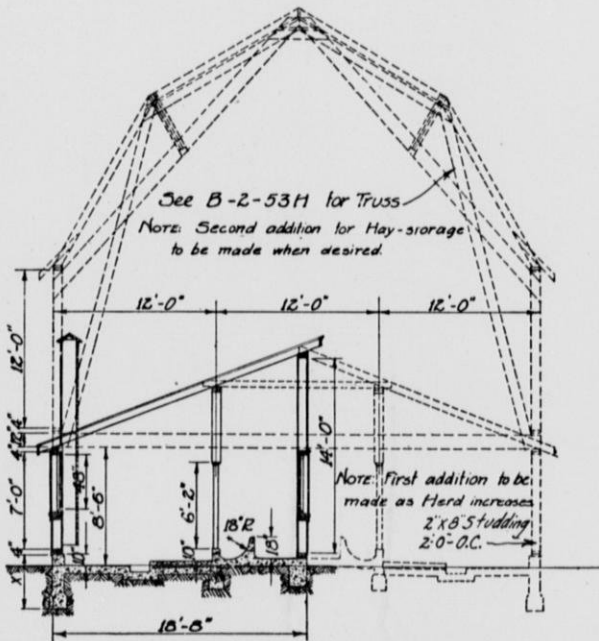
24



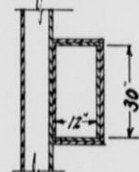
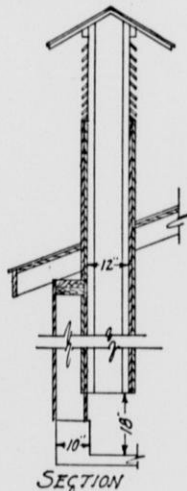
FLOOR PLAN

PIONEER BARN
 DEPT OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN

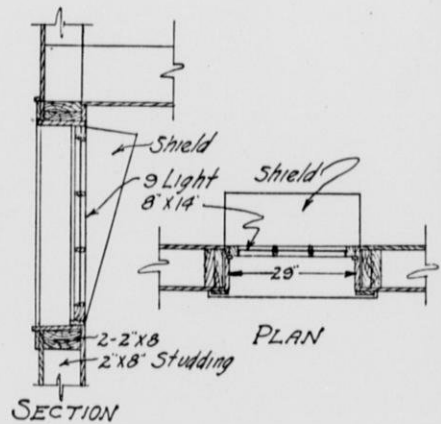
Drawn By E.M.B.	Date May 20, 1922
Traced By E.M.B.	Plan No.
Checked By	B-5-31



CROSS SECTION

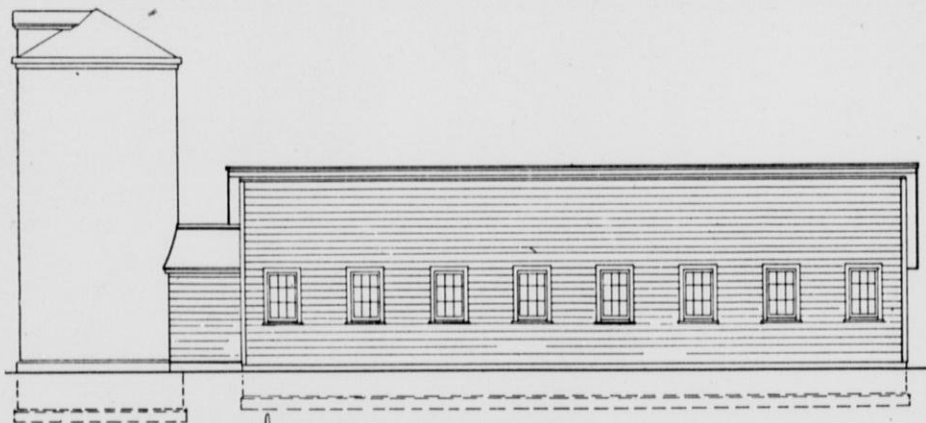


OUTLET FLUE

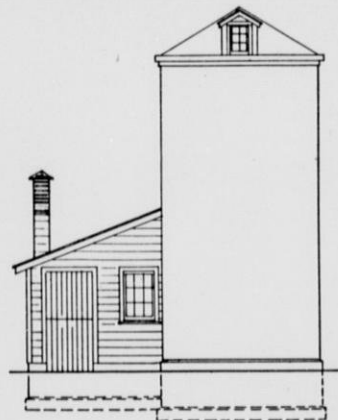


DETAIL OF WINDOW

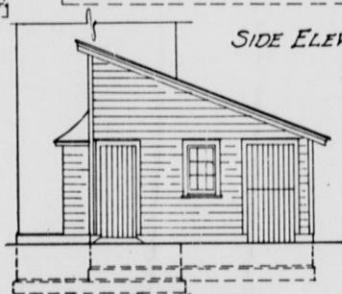
B-5-32



SIDE ELEVATION

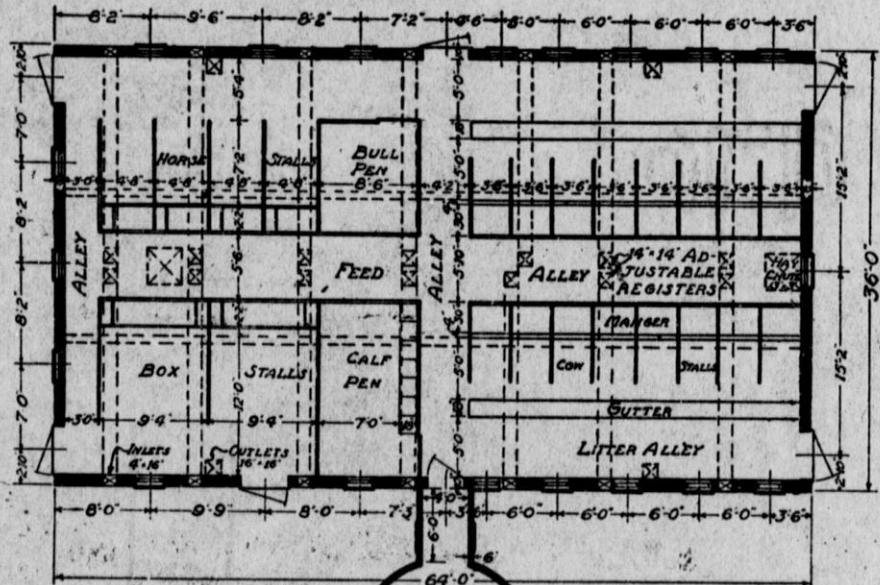


END ELEVATION



END ELEVATION

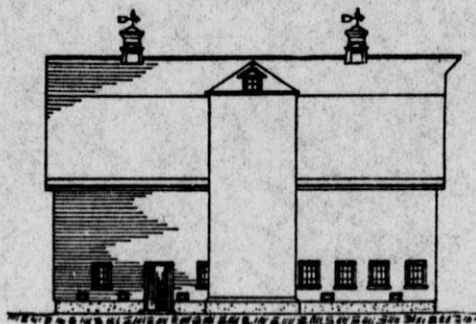
B-5-33



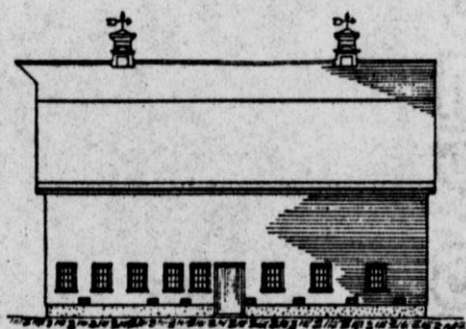
GROUND PLAN

SILLO

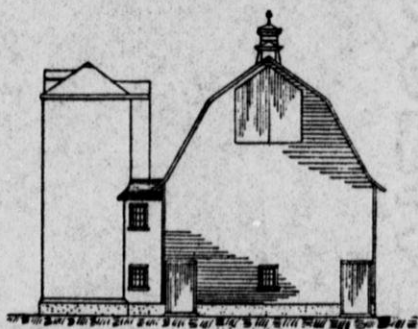
GENERAL PURPOSE BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. B-6-41



SIDE ELEVATION

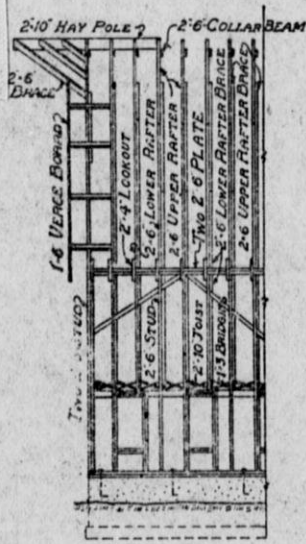


SIDE ELEVATION

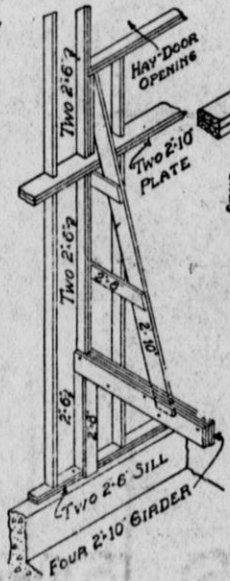


END ELEVATION

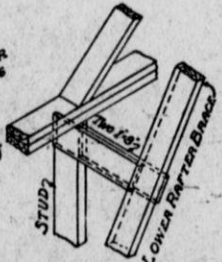
PLAN No. D-6-42



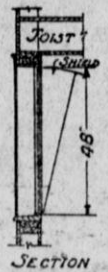
SIDE FRAMING



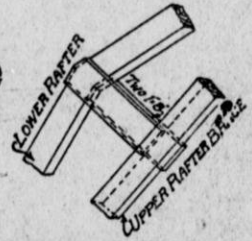
END WALL BRACE



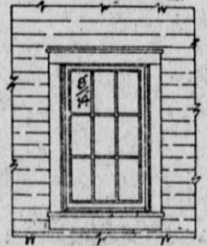
WALL TIE



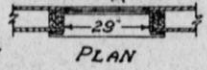
SECTION



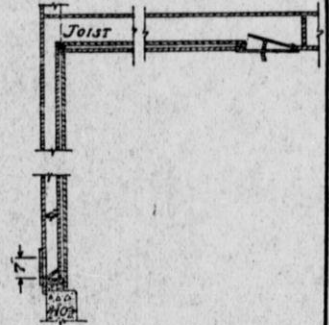
RAFTER TIE



ELEVATION



PLAN



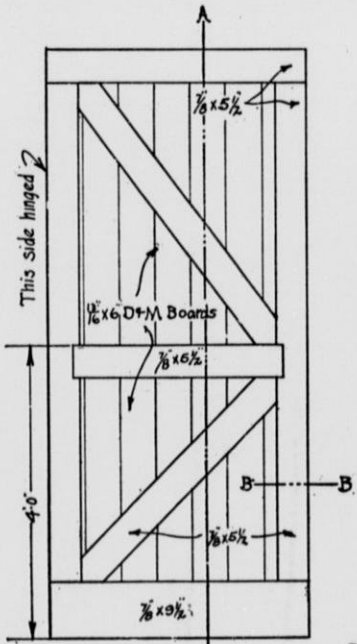
SECTION



PLAN

INLET FLUE

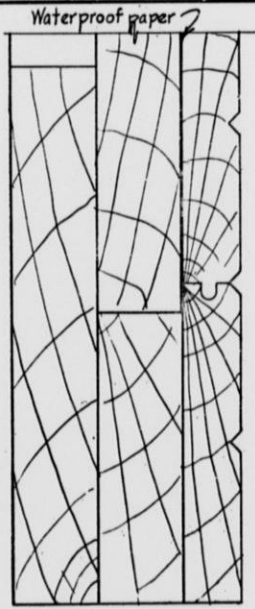
PLAN No. B-6-44



OUTSIDE ELEVATION

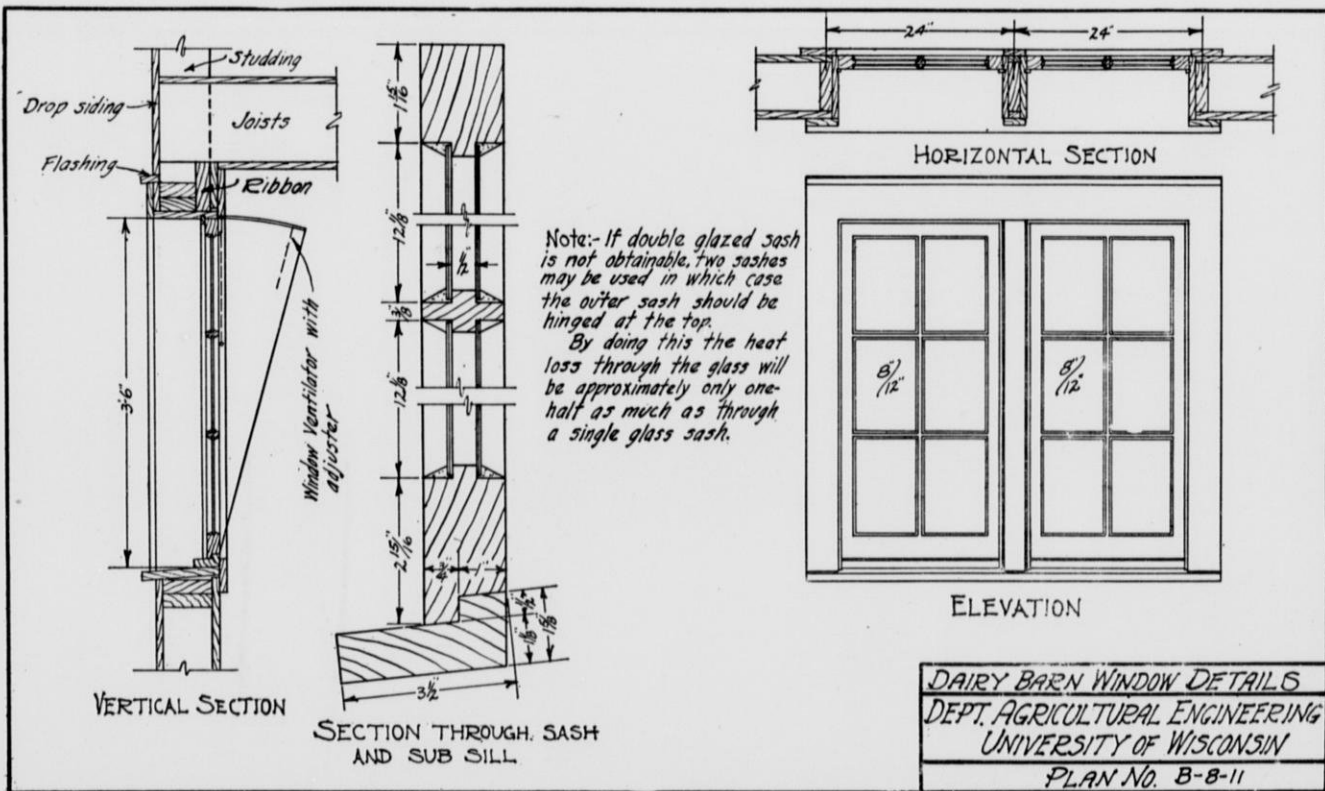


INSIDE ELEVATION
 CATTLE DOORS 3'-8" WIDE.
 HORSE DOORS 4'-0" ..
 FEED ALLEY DOORS 3'-6" ..



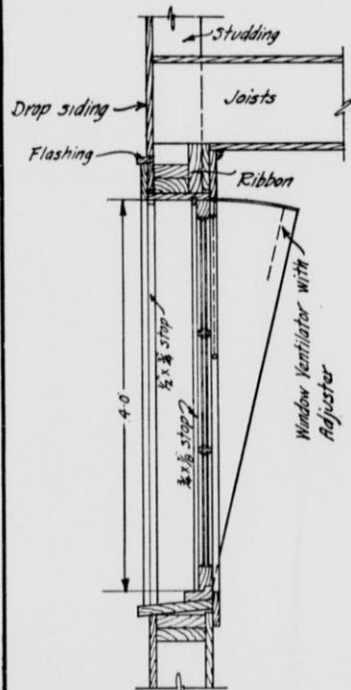
SECTION B-B

BARN DOOR DETAILS
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. B-T-11

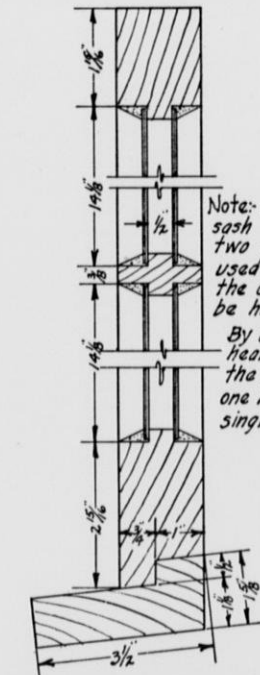


Note: - If double glazed sash is not obtainable, two sashes may be used in which case the outer sash should be hinged at the top.
 By doing this the heat loss through the glass will be approximately only one-half as much as through a single glass sash.

DAIRY BARN WINDOW DETAILS
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN NO. B-8-11



VERTICAL SECTION

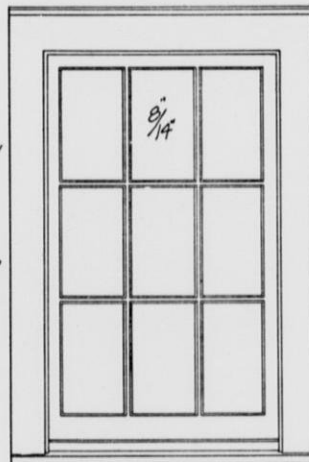


SECTION THROUGH SASH AND SUB SILL

Note: If double glazed sash is not obtainable, two sashes may be used in which case the outer sash should be hinged at the top. By doing this the heat loss through the glass will be only one half as much as a single glass sash.



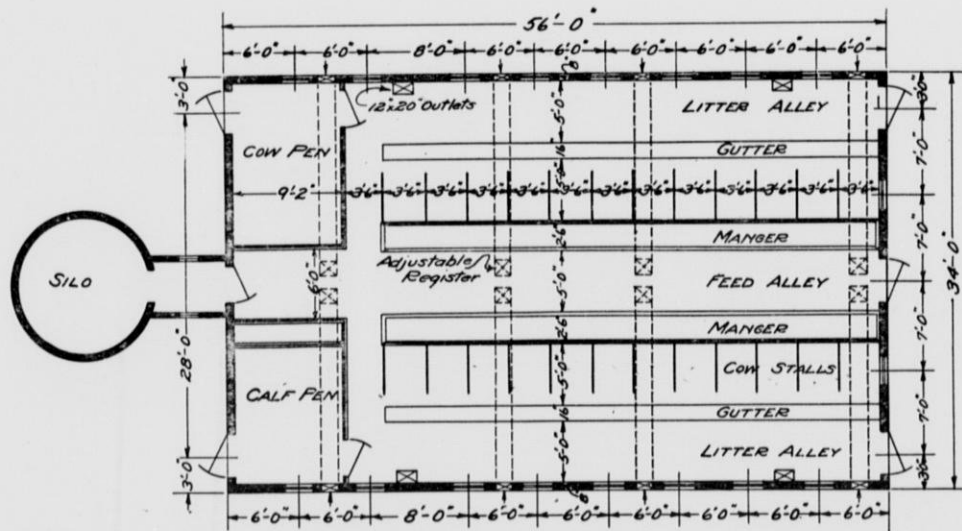
HORIZONTAL SECTION



ELEVATION

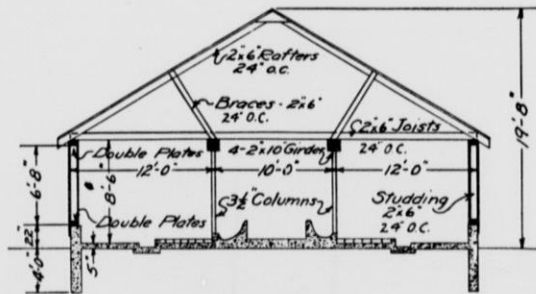
DAIRY BARN WINDOW DETAILS
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN

PLAN No. B-9-11

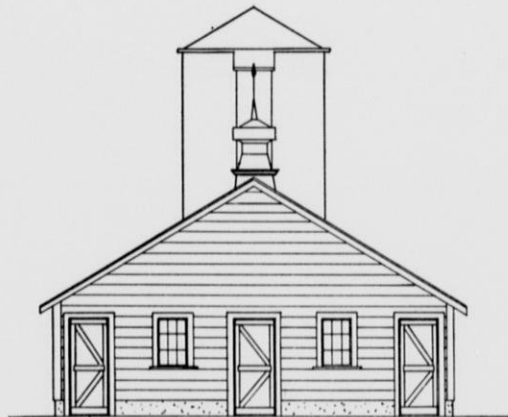


PLAN

ONE STORY DAIRY BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. B-10-31

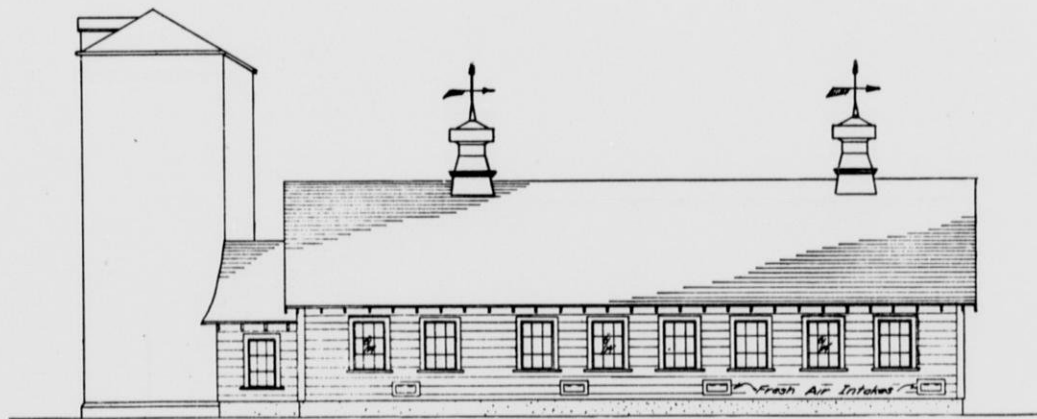


CROSS SECTION



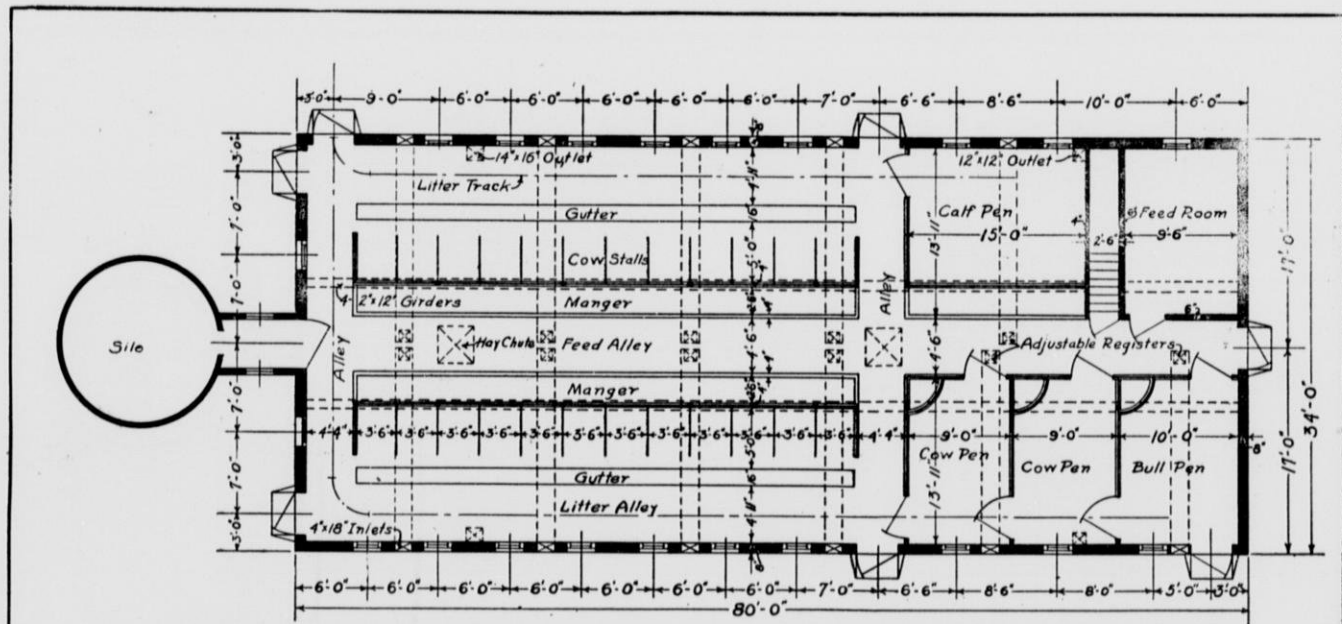
END ELEVATION

PLAN No. B-10-32

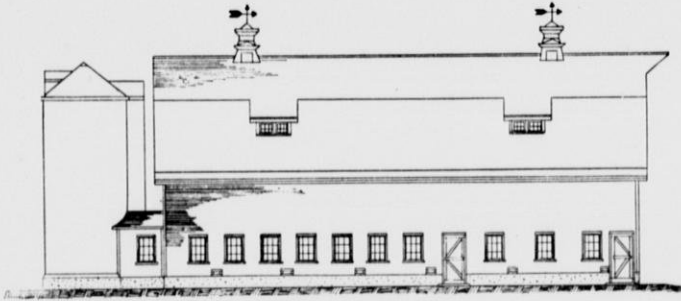


SIDE ELEVATION

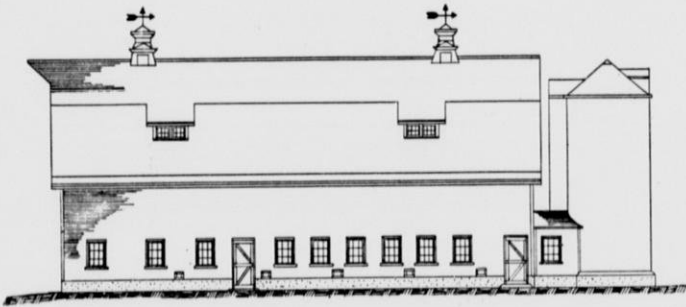
PLAN No B-10-33



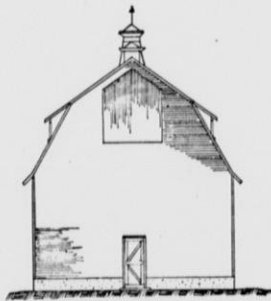
DAIRY BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. B-11-41



SIDE ELEVATION

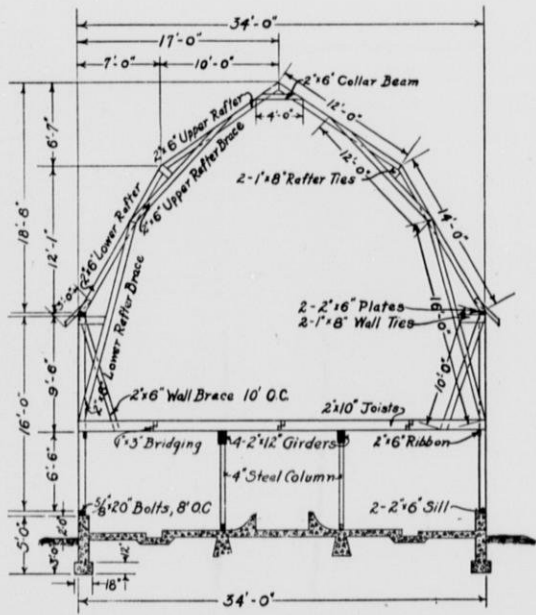


SIDE ELEVATION

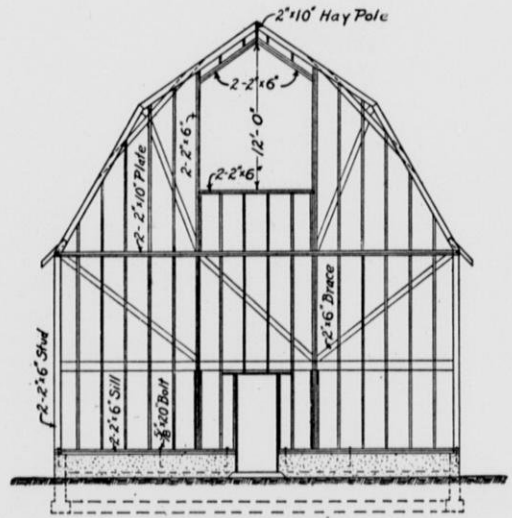


END ELEVATION

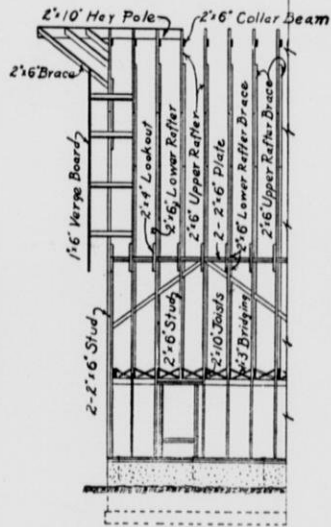
PLAN No. B-11-42



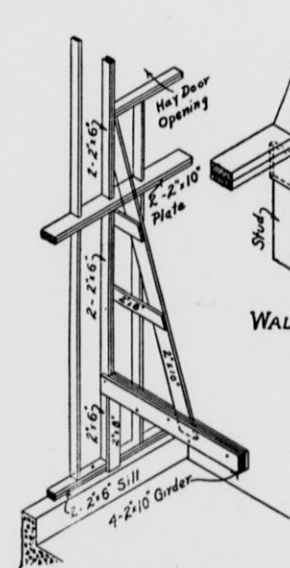
CROSS SECTION



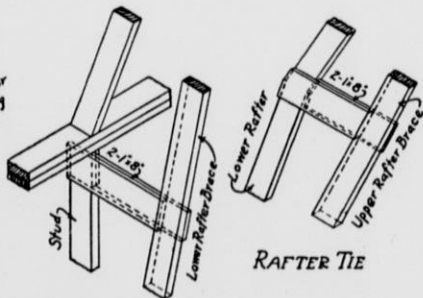
END FRAMING



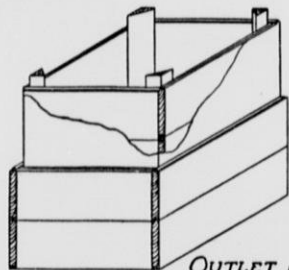
SIDE FRAMING



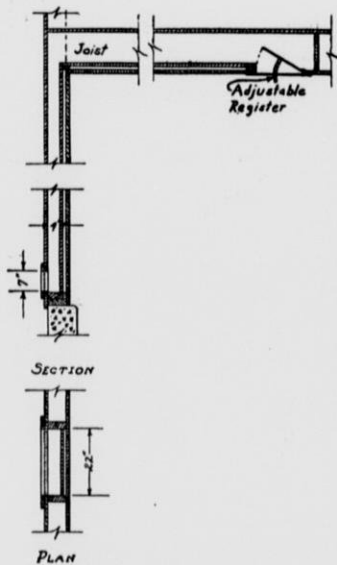
END WALL BRACE



RAFTER TIE



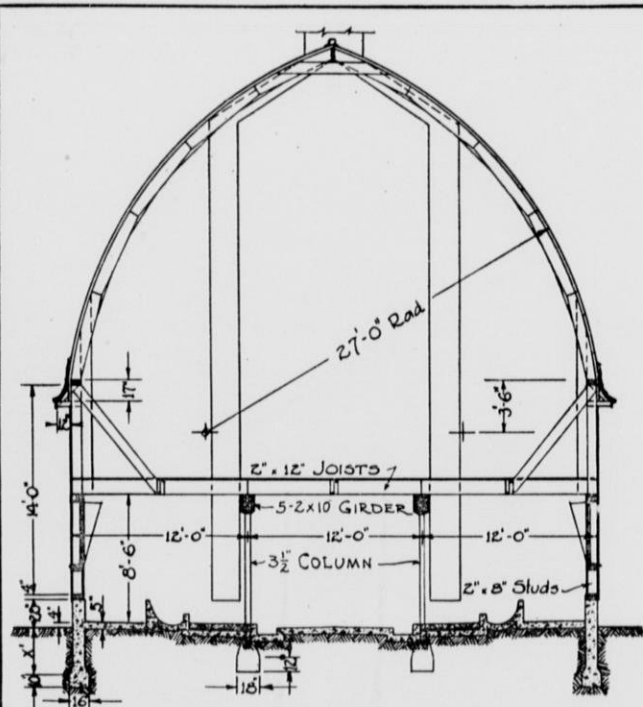
OUTLET FLUE



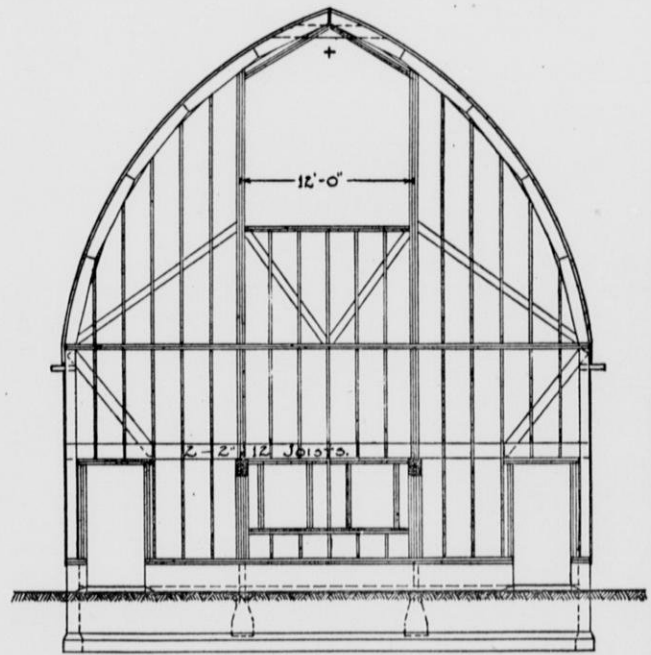
SECTION

PLAN

INLET FLUE

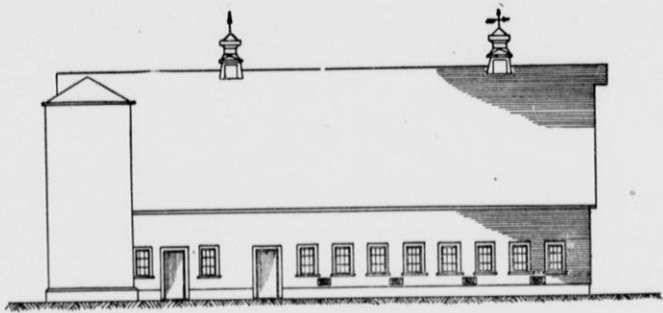


CROSS SECTION

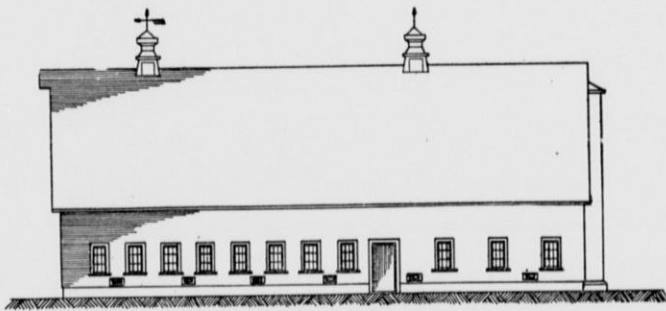


END FRAMING

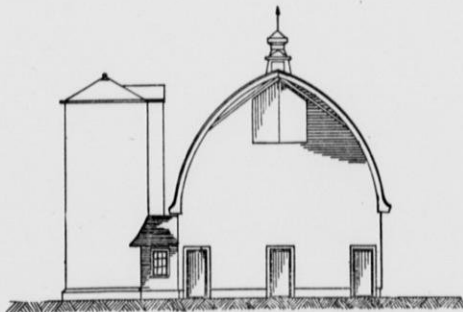
B-3-43



SIDE ELEVATION

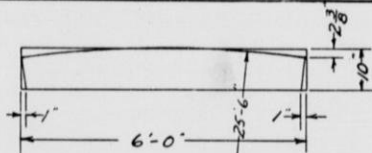


SIDE ELEVATION



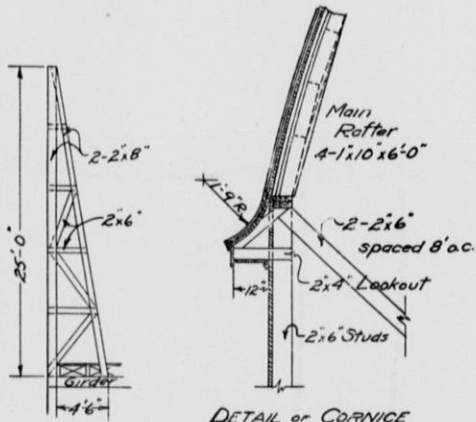
END ELEVATION

PLAN No B-14-43



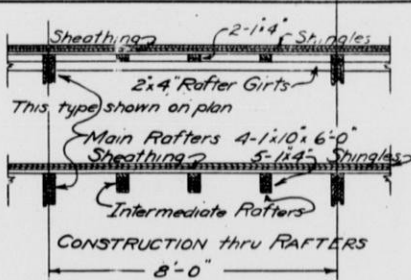
RIB-BOARD DETAIL

NOTE: Main curved rafter made of six lengths of 6" rib boards and four thicknesses - joints at quarter points

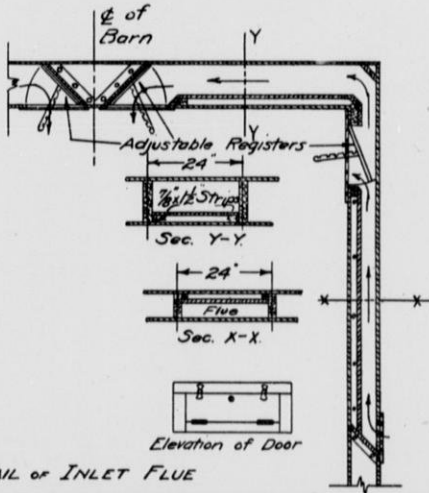


DETAIL OF CORNICE

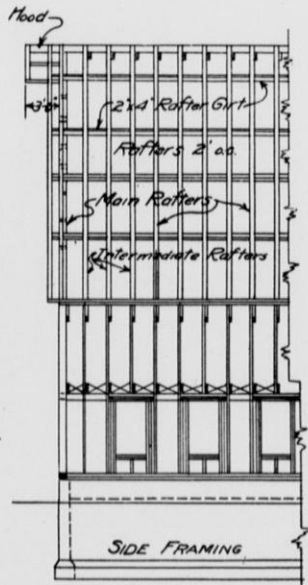
END STAY



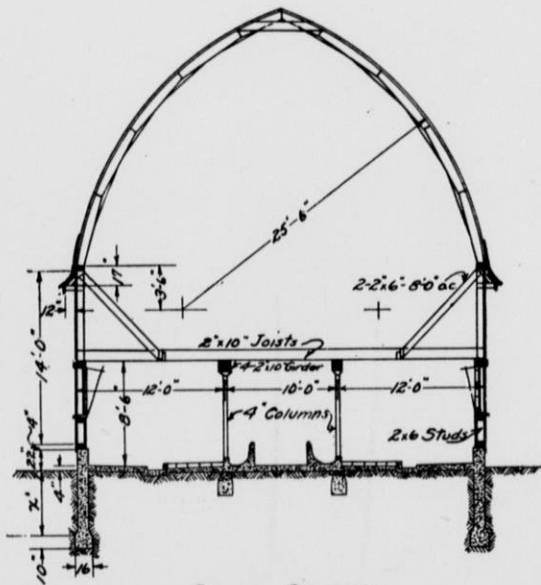
CONSTRUCTION THRU RAFTERS



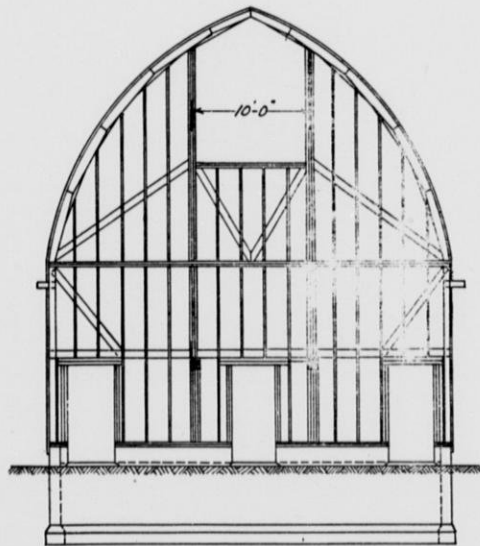
DETAIL OF INLET FLUE



PLAN No. B-14-44

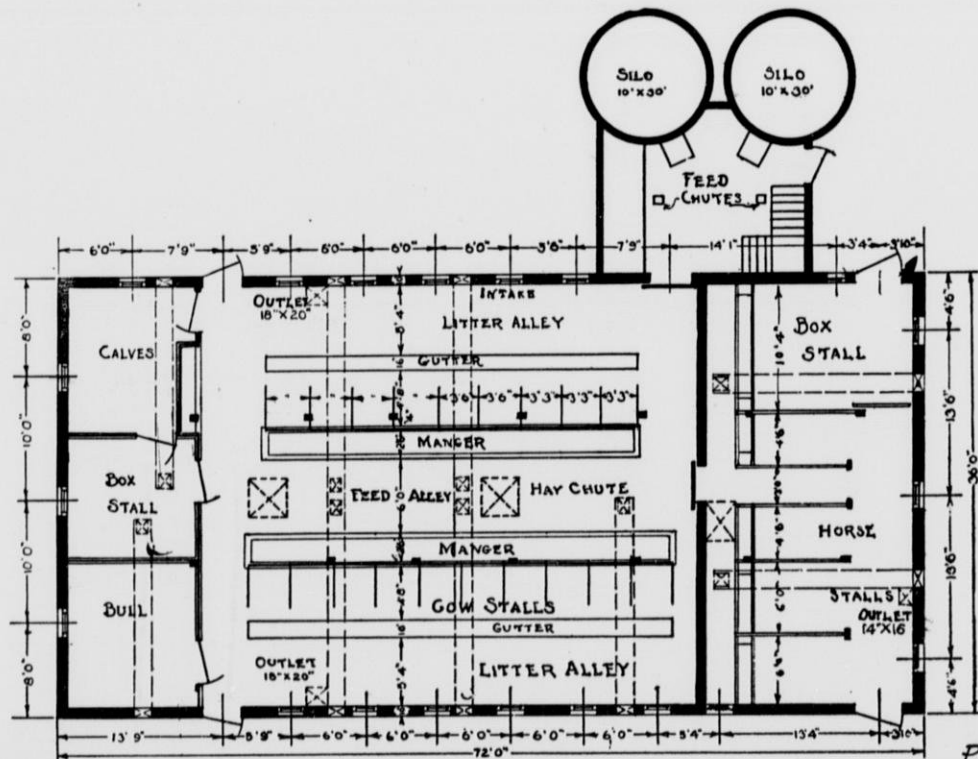


CROSS SECTION

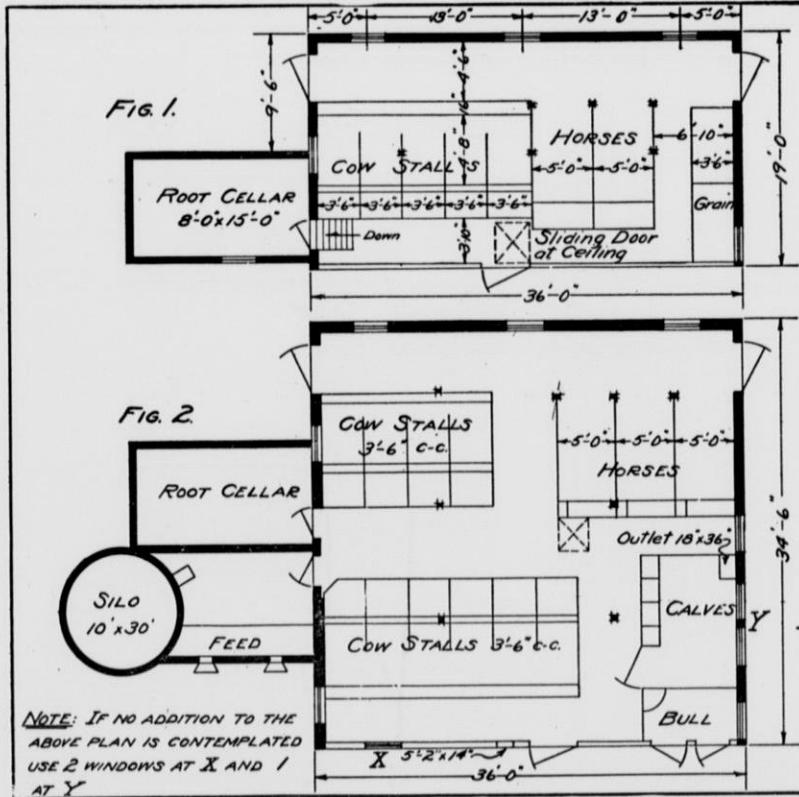


END FRAMING

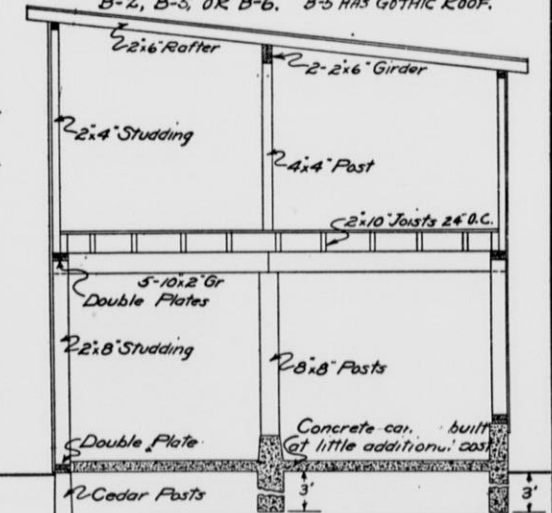
PLAN No. B-14-42



PLAN No. B-13-22

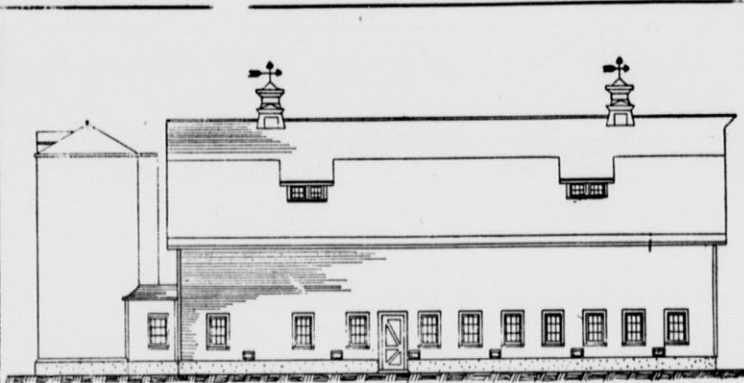


FRAME WALL AS SHOWN IS RECOMMENDED.
 STONE MAY BE USED WHERE PLENTIFUL.
 MOW IN FIRST SECTION MAY BE OF POLE
 CONSTRUCTION
 FOR PLANS OF SUPER-STRUCTURE SEE PLANS
 B-2, B-5, OR B-6. B-5 HAS GOTHIC ROOF.

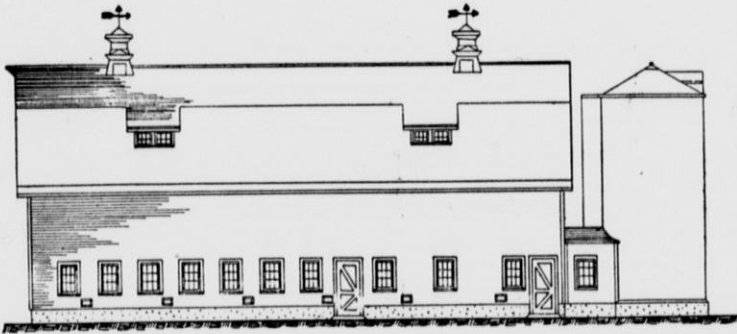


PIONEER BARN
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. B-13-21

NOTE: IF NO ADDITION TO THE ABOVE PLAN IS CONTEMPLATED USE 2 WINDOWS AT X AND 1 AT Y



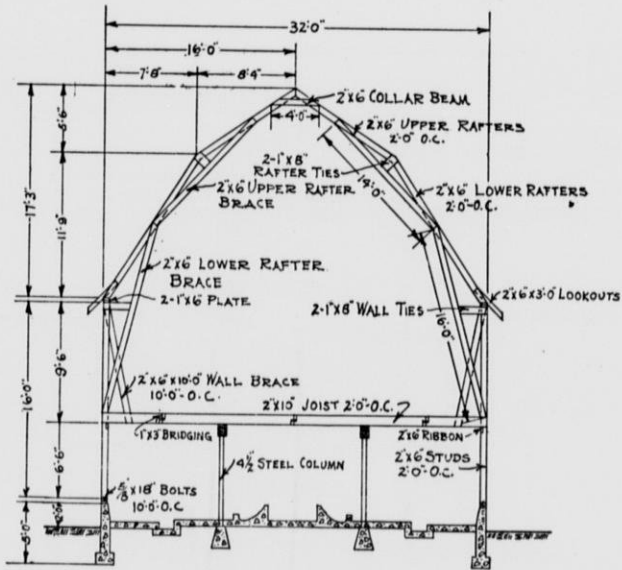
SIDE ELEVATION



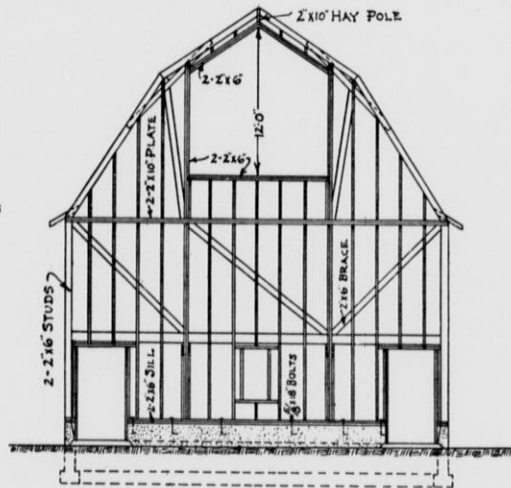
SIDE ELEVATION



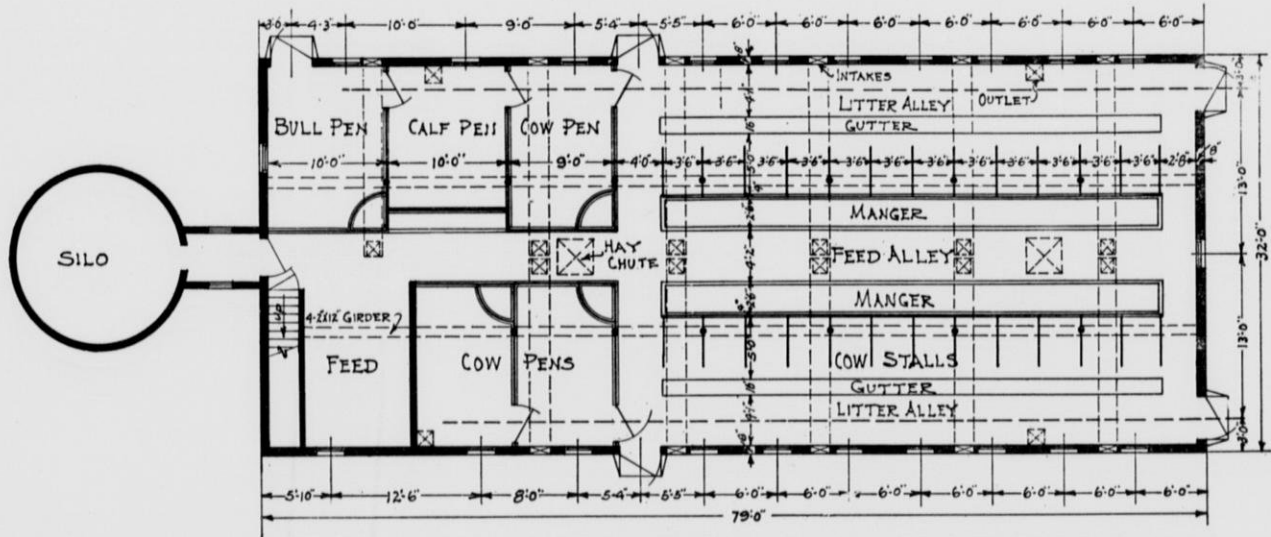
END ELEVATION



CROSS SECTION

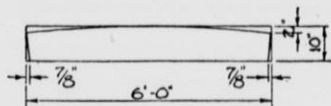


END FRAMING



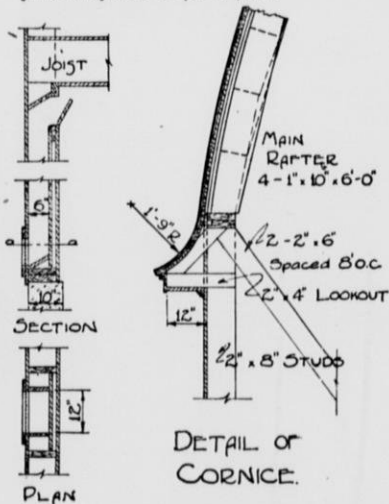
PLAN

DAIRY BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. B-12-41

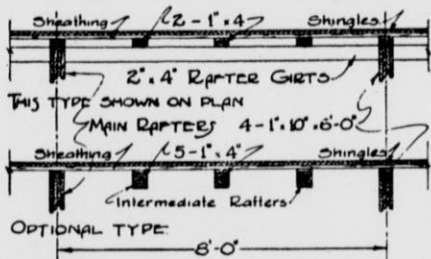


RIB-BOARD DETAIL

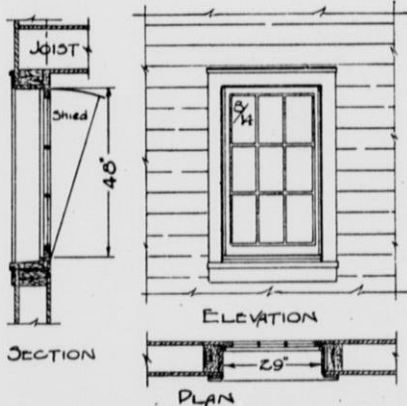
NOTE: Main curved rafter made of six lengths of above 6' rib-boards and four thicknesses - the joints being made at quarter points.



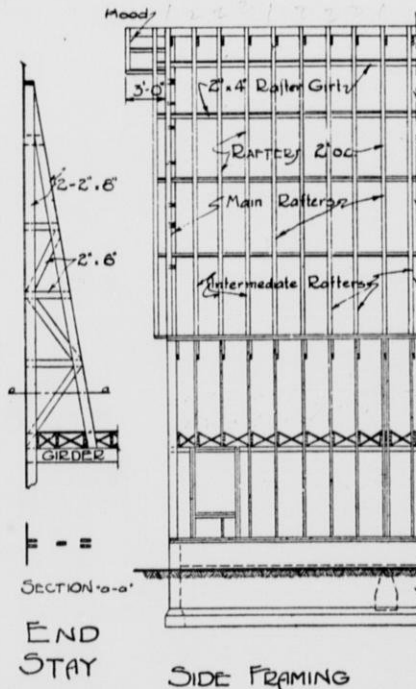
INLET FLUE

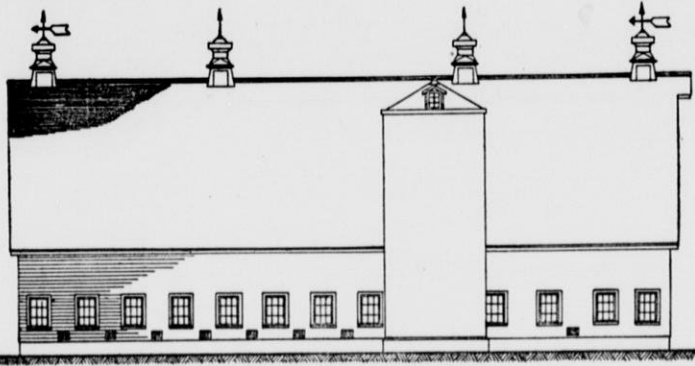


CONSTRUCTION thru RAFTERS

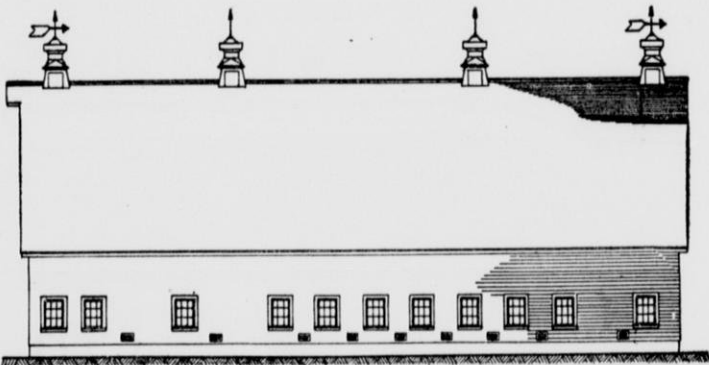


DETAIL OF WINDOW

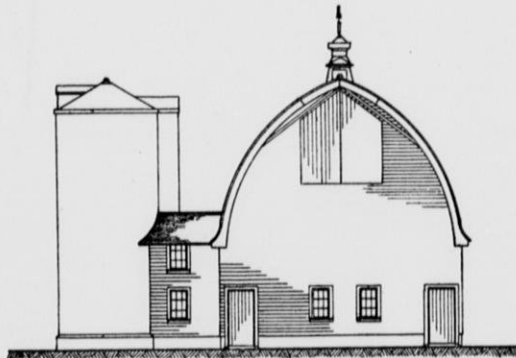




SIDE ELEVATION



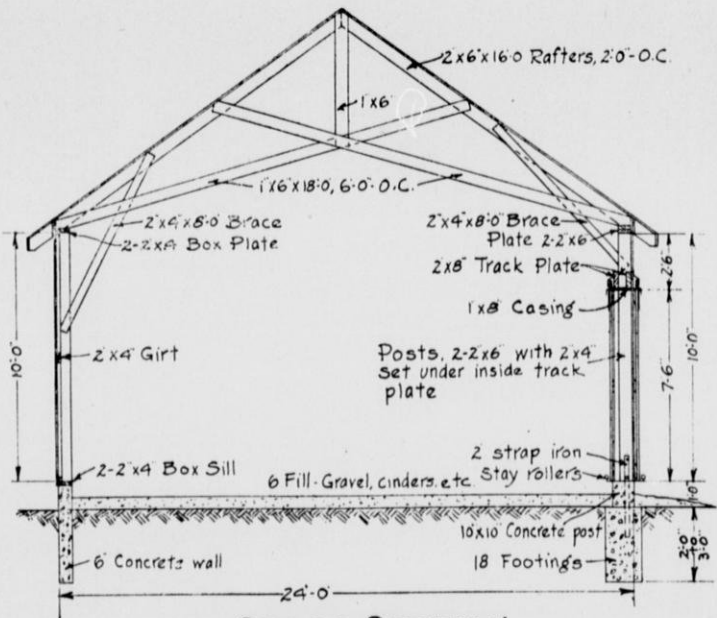
SIDE ELEVATION



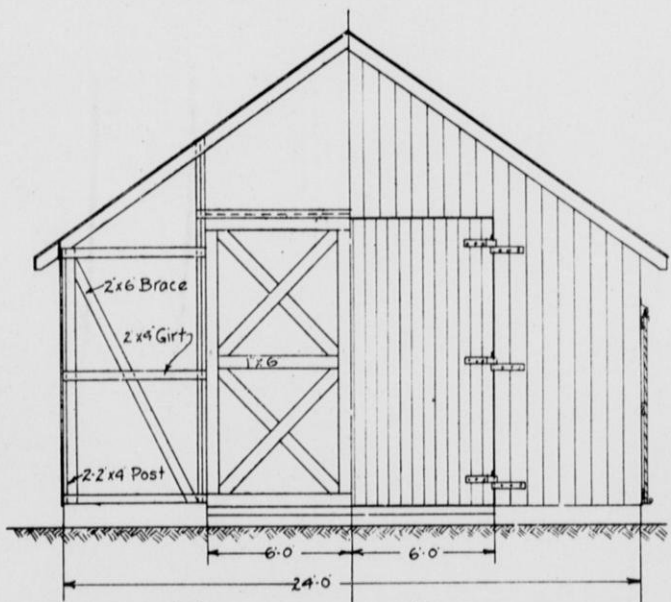
END ELEVATION

B-3-42

55

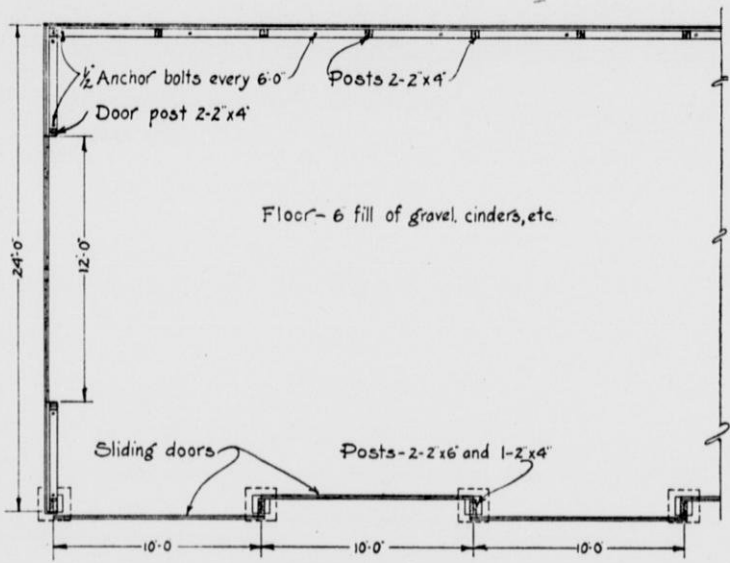


CROSS SECTION

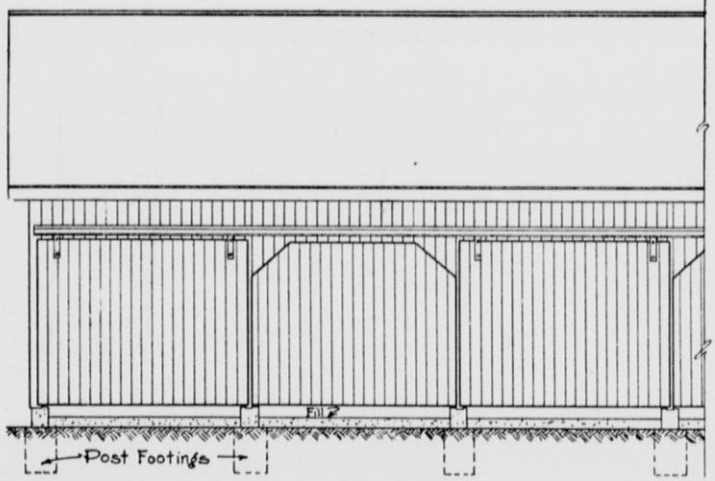


HALF FRAMING

ELEVATION



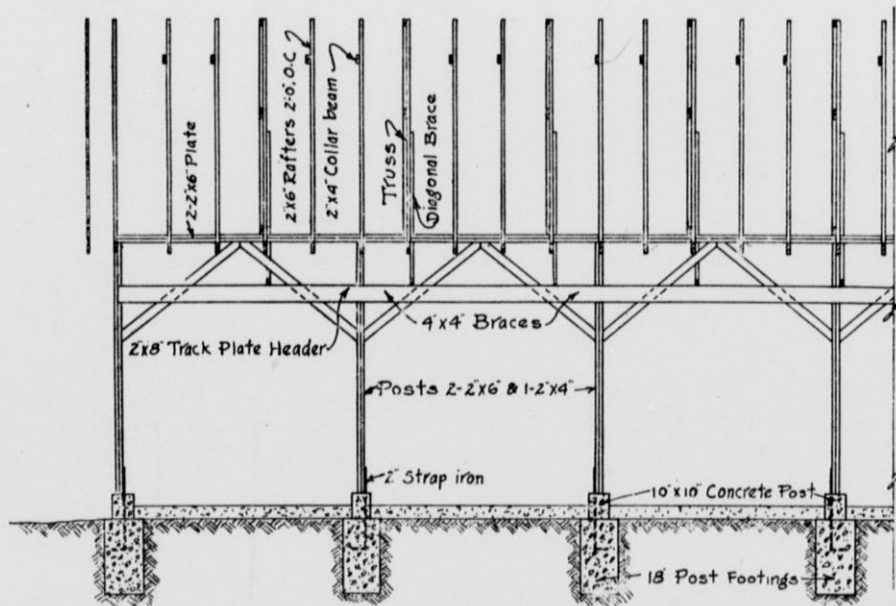
FLOOR PLAN



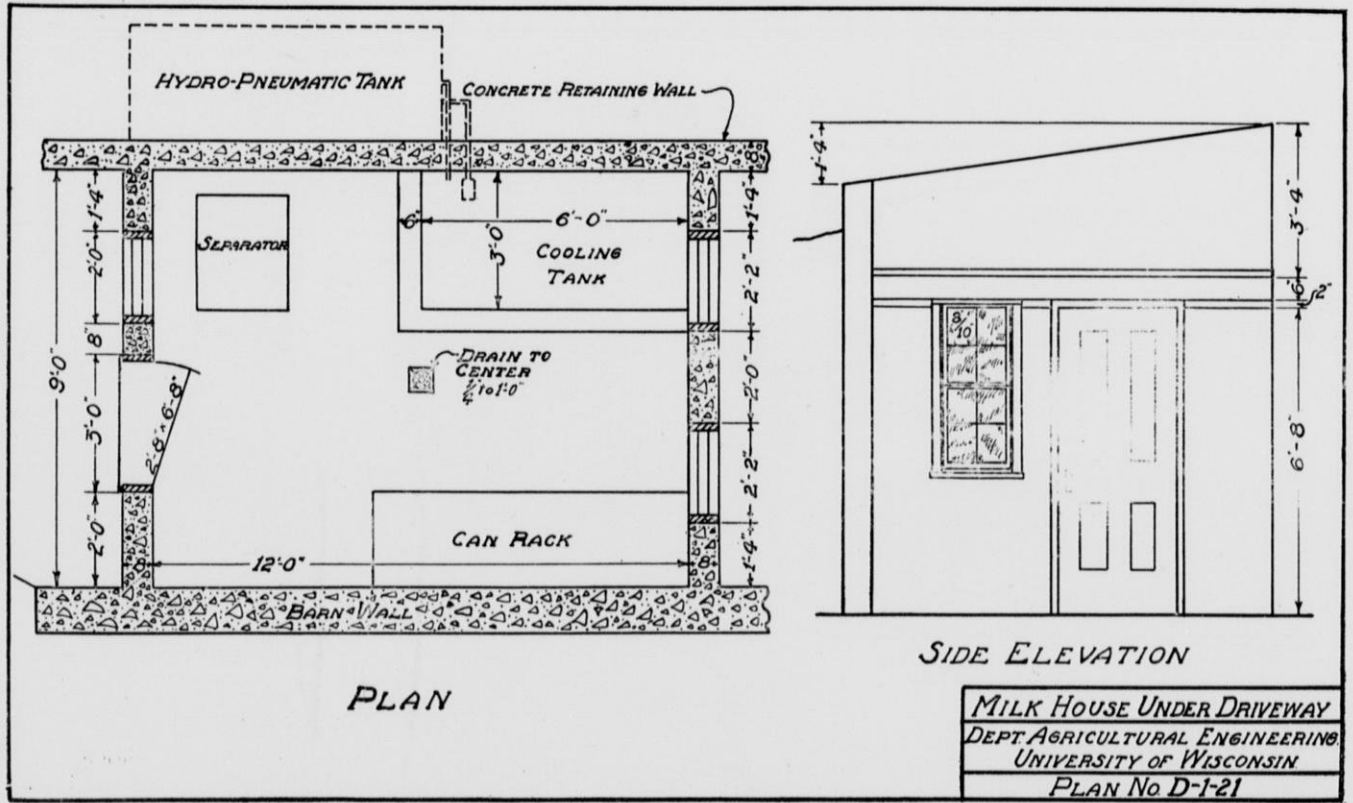
FRONT ELEVATION

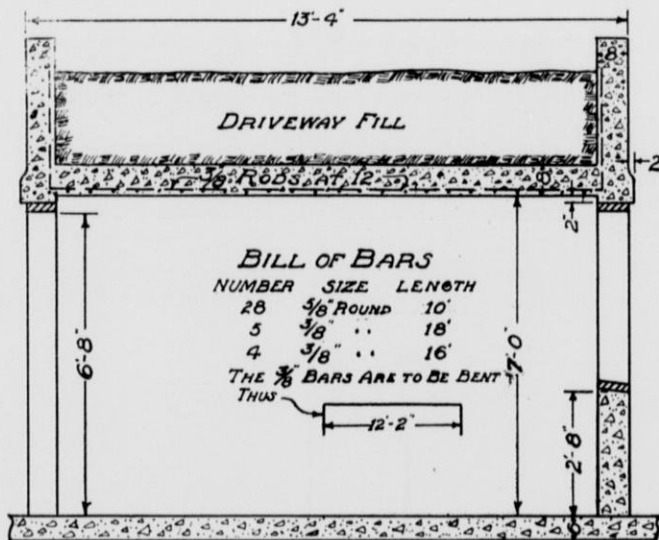
MACHINE SHED
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. C-1-31

74



FRAMING ELEVATION

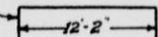




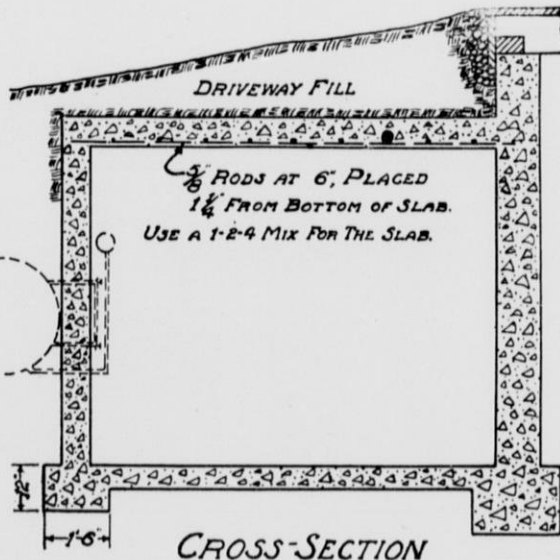
BILL OF BARS

NUMBER	SIZE	LENGTH
28	3/8" ROUND	10'
5	3/8"	18'
4	3/8"	16'

THE 3/8" BARS ARE TO BE BENT
THUS



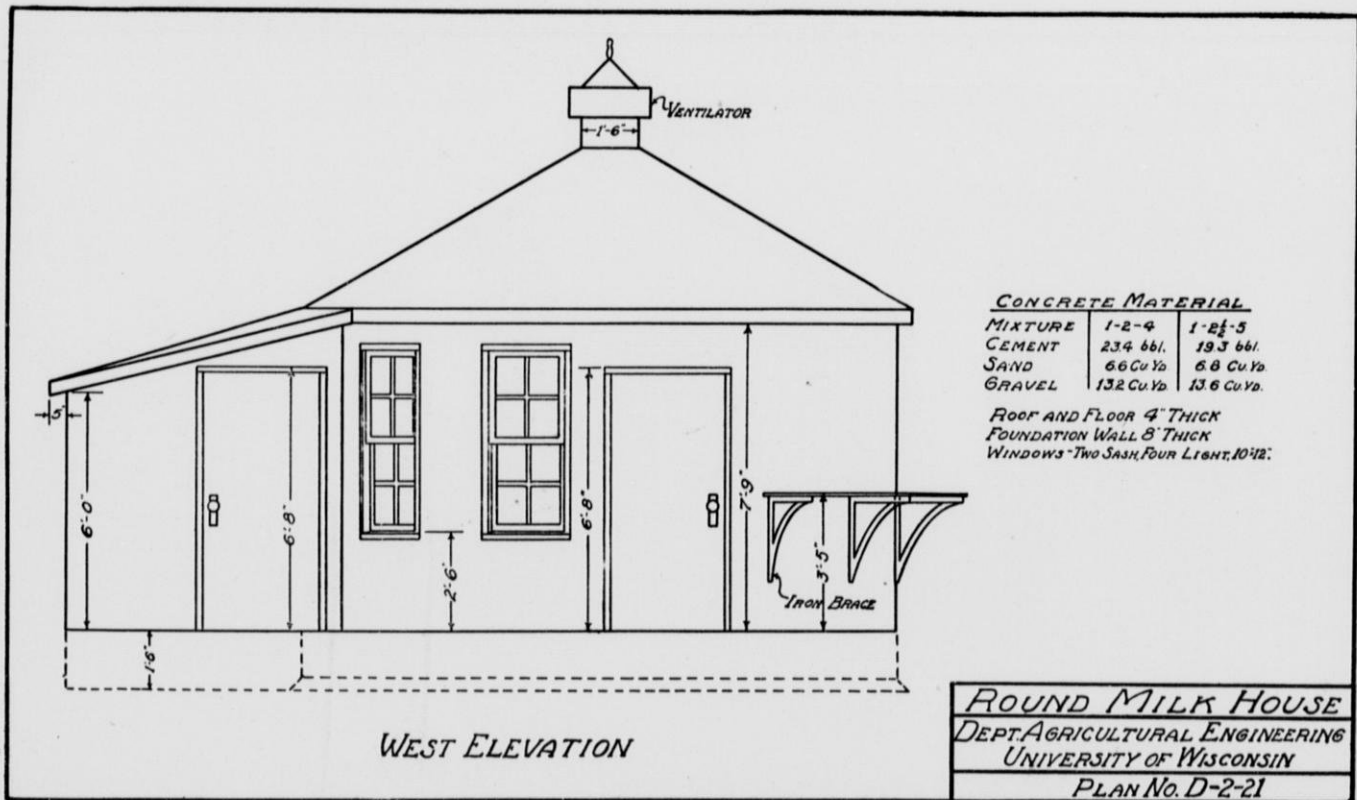
LONGITUDINAL SECTION

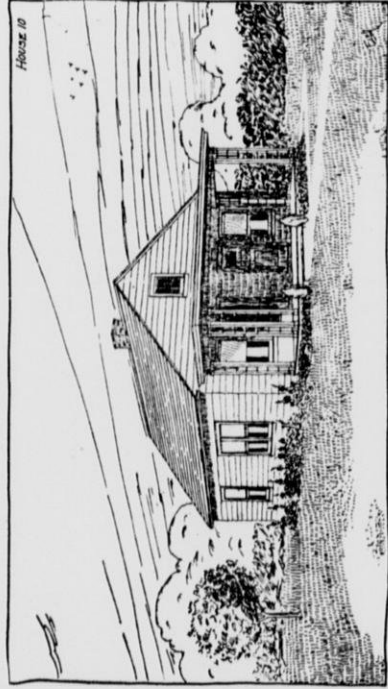


CROSS-SECTION

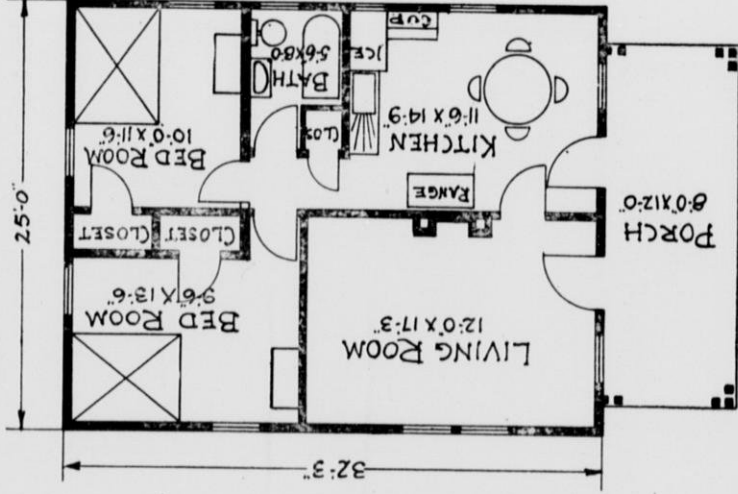
SIDE RETAINING WALLS TO BE OF SUCH HEIGHT
AND LENGTH AS TO PREVENT WATER FROM
DRAINING TOWARD DAIRY HOUSE.

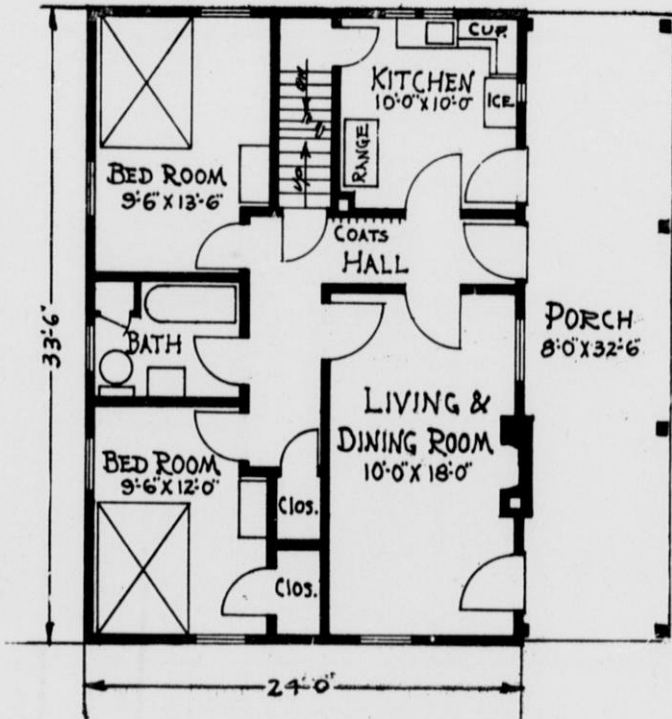
PLAN No D-1-22

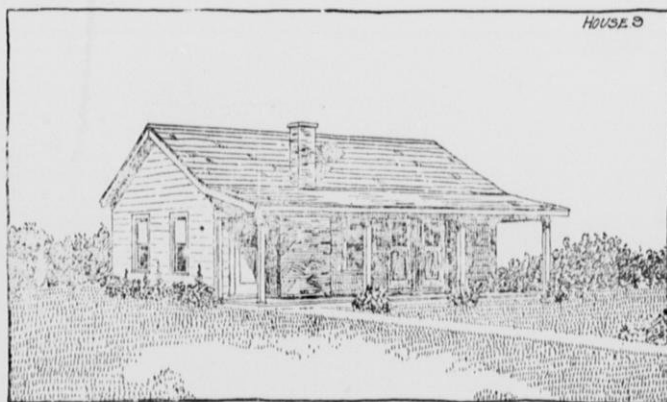
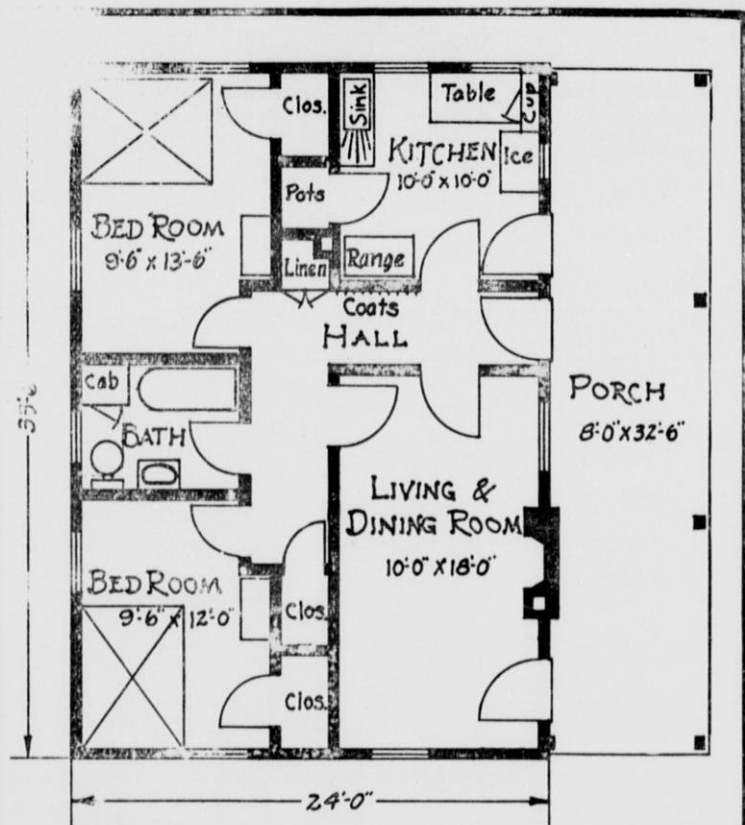


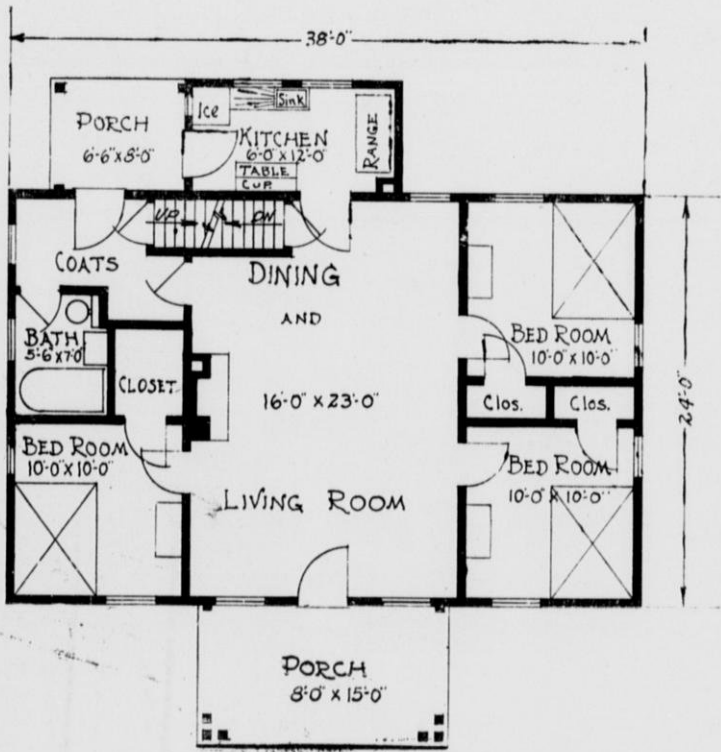


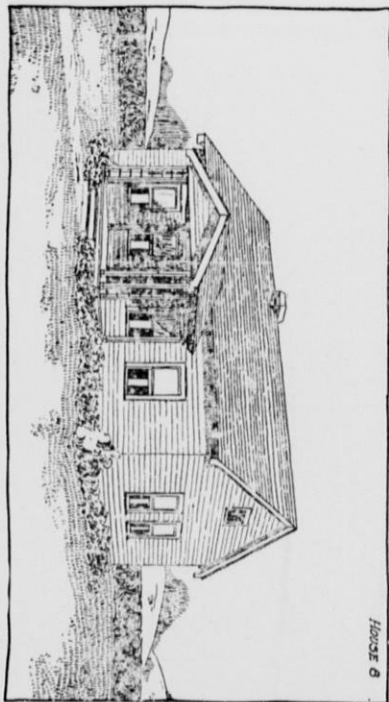
House 10



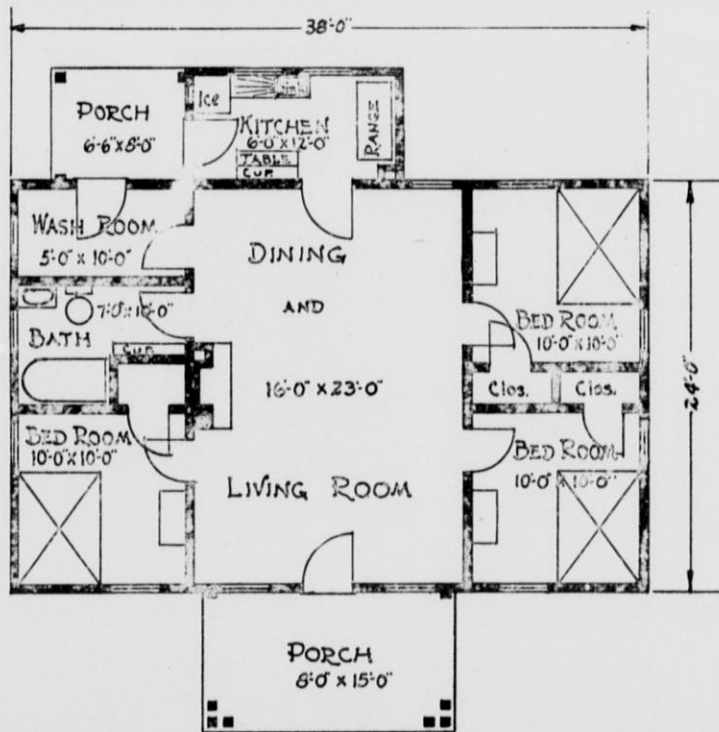


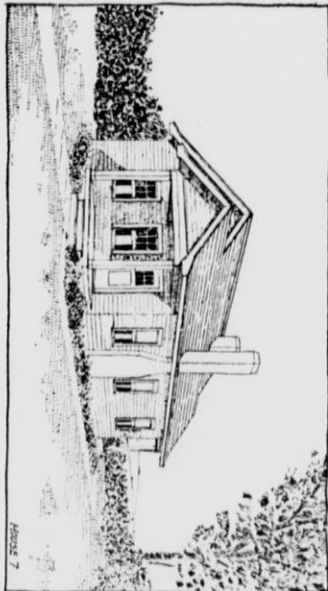




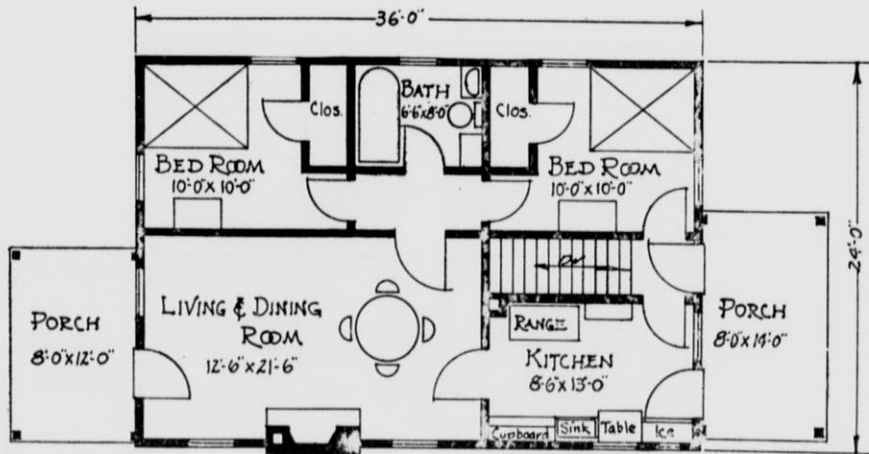


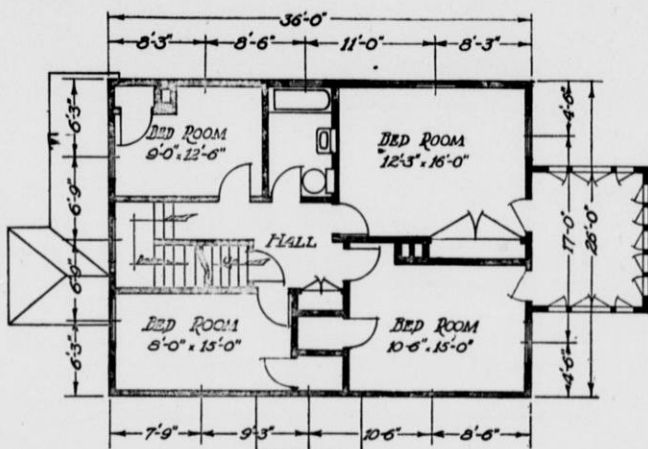
House B



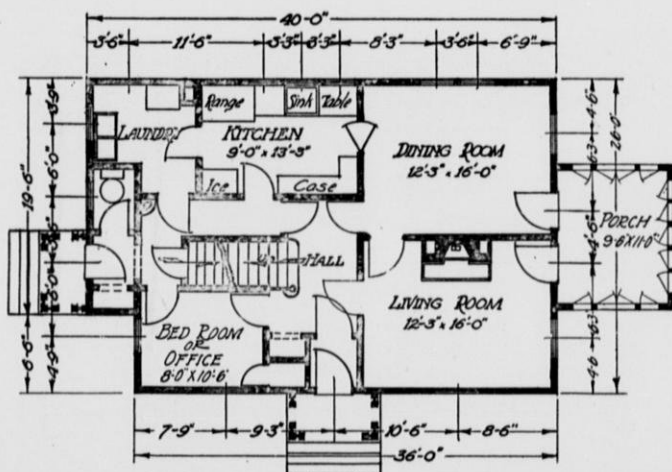


HOUSE 7

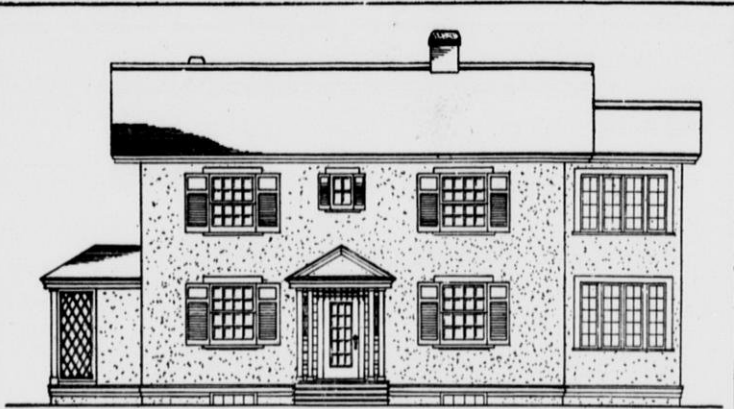




SECOND FLOOR PLAN



FIRST FLOOR PLAN



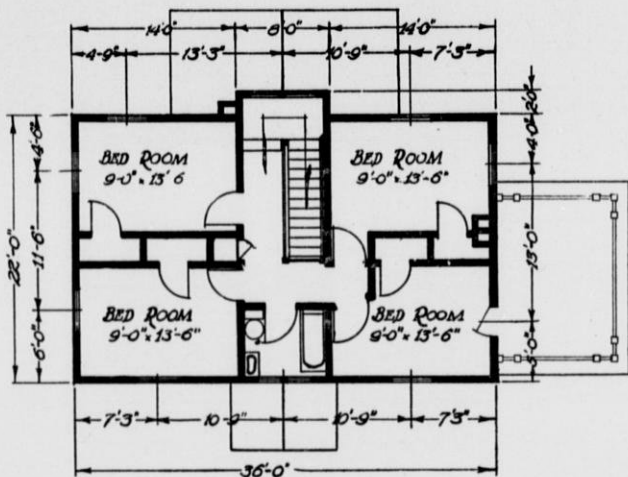
FRONT ELEVATION



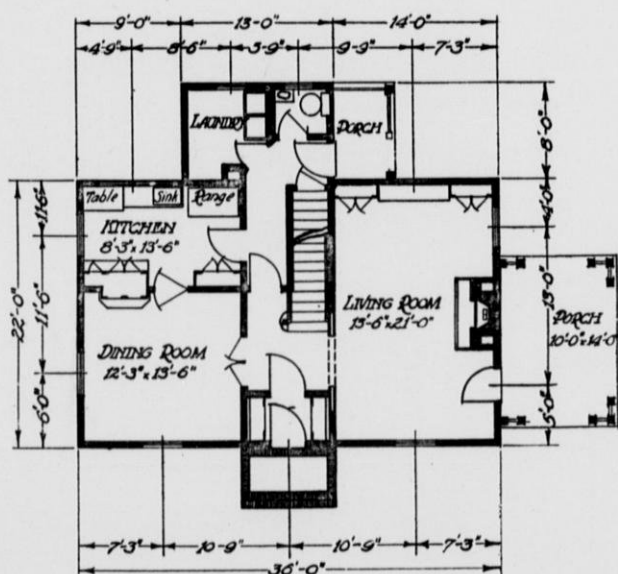
LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION



SECOND FLOOR PLAN



FIRST FLOOR PLAN



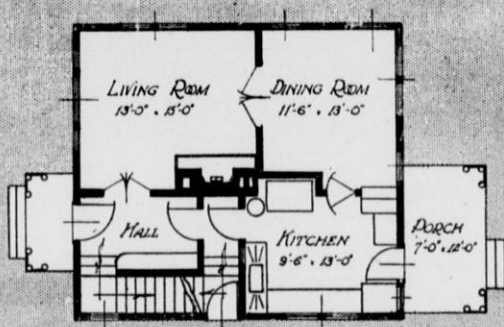
FRONT ELEVATION



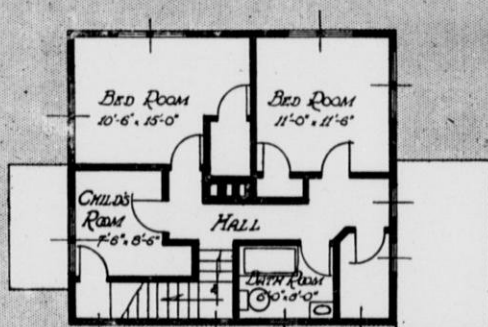
RIGHT SIDE ELEVATION



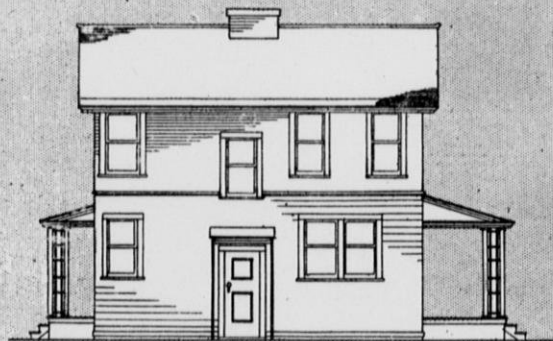
REAR ELEVATION



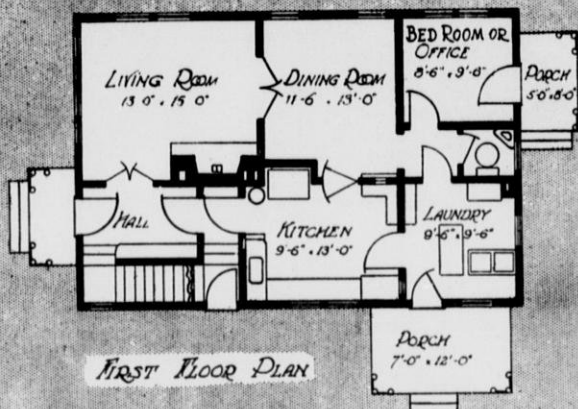
FIRST FLOOR PLAN



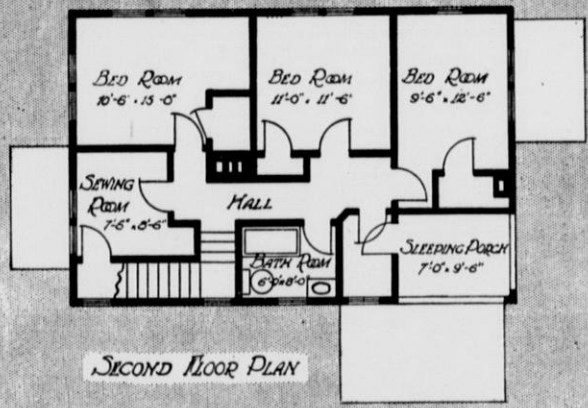
SECOND FLOOR PLAN



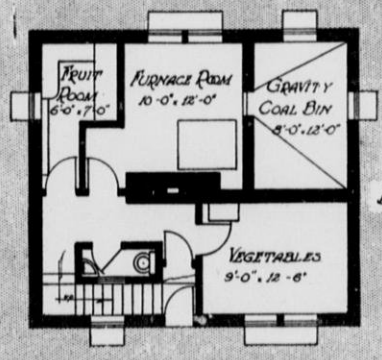
RIGHT SIDE ELEVATION



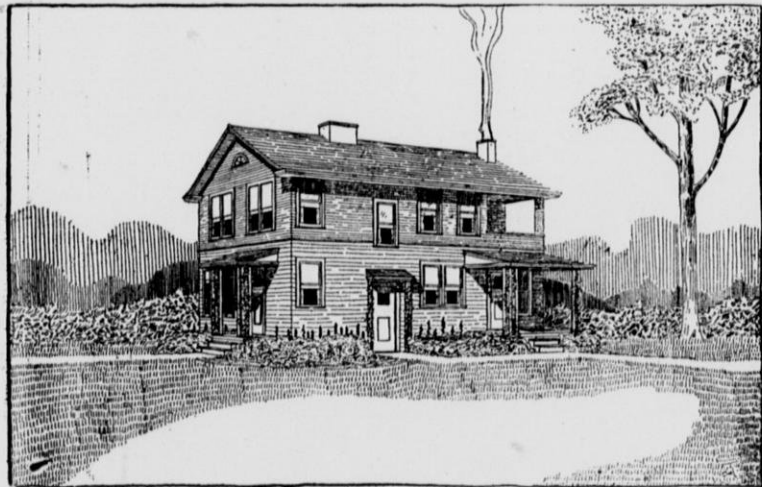
FIRST FLOOR PLAN

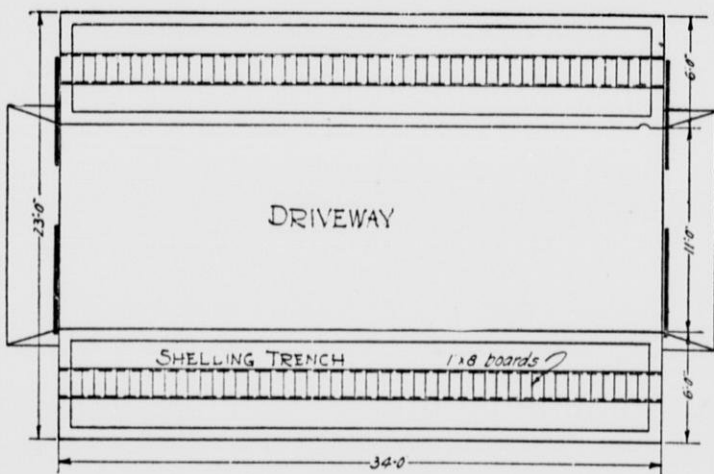


SECOND FLOOR PLAN

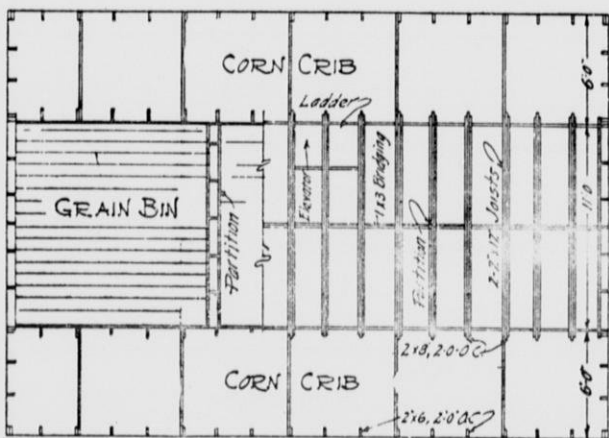


BASEMENT PLAN



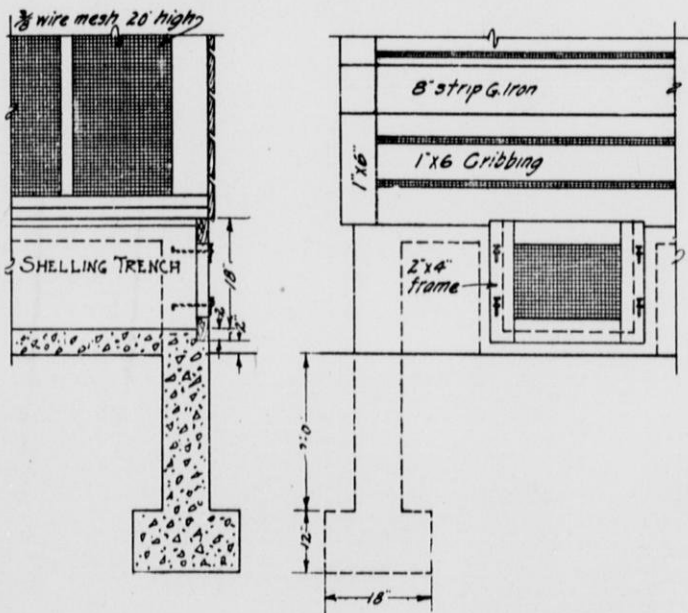
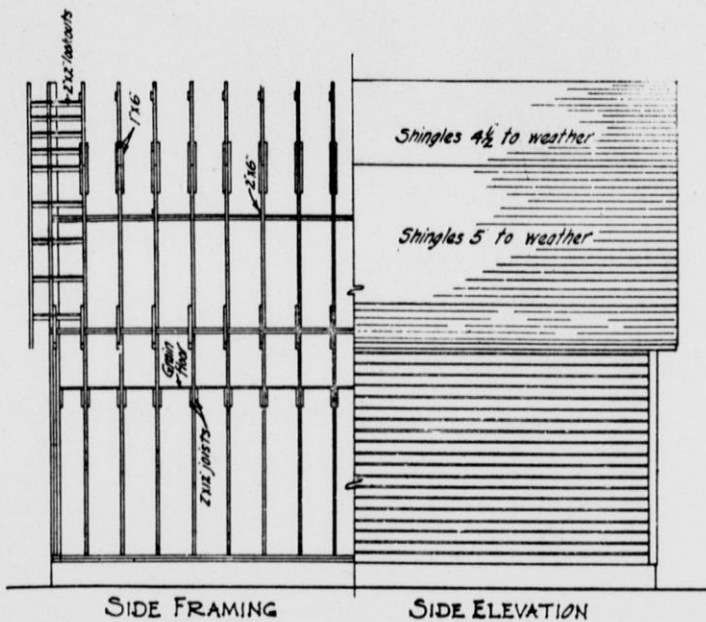


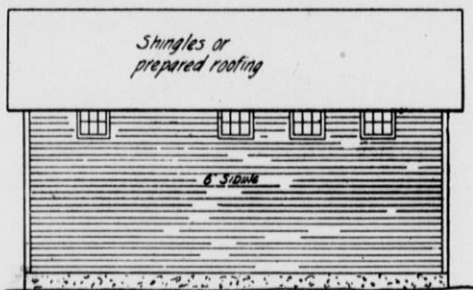
FIRST FLOOR PLAN



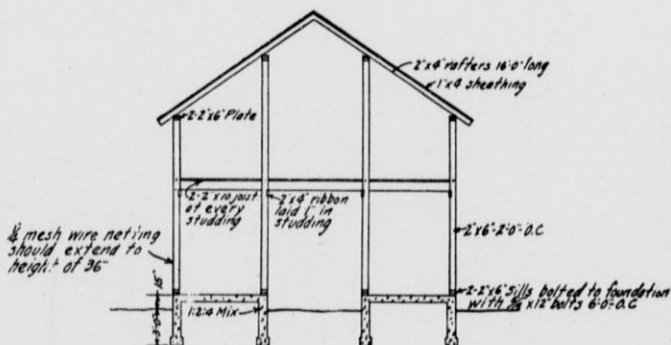
SECOND FLOOR PLAN

GRANARY AND CORN CRIB
DEPT AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. G-2-31





SIDE ELEVATION



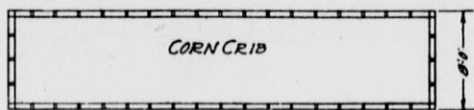
CROSS SECTION



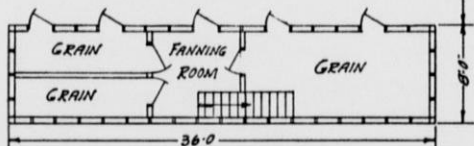
DETAIL OF CRIB SIDING

GRANARY AND CORN CRIB
DEPT. OF AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN

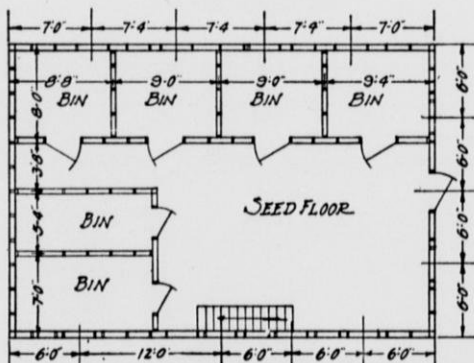
Date - Apr 13, 1922
PLAN NO
G-1-22



DRIVEWAY



FIRST FLOOR PLAN



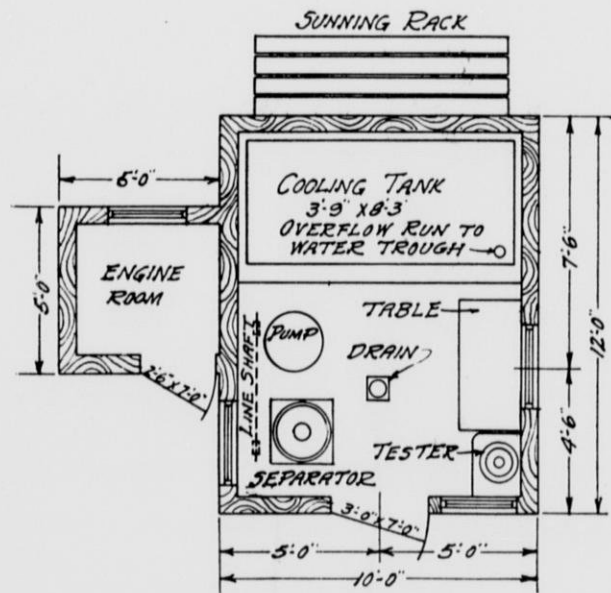
SECOND FLOOR PLAN



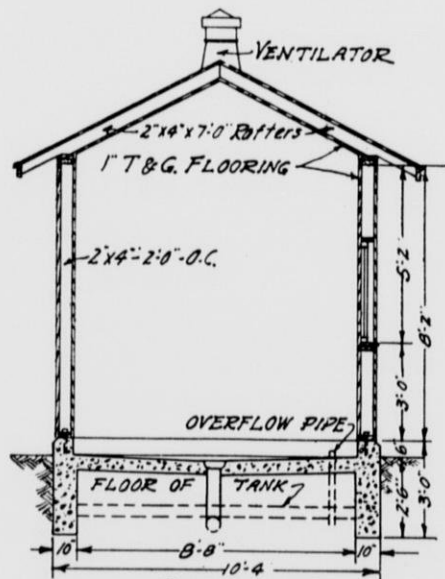
END ELEVATION

GRANARY AND CORN CRIB
 DEPT. OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN

Date: - Apr 13, 1922
 PLAN NO
 G-1-21

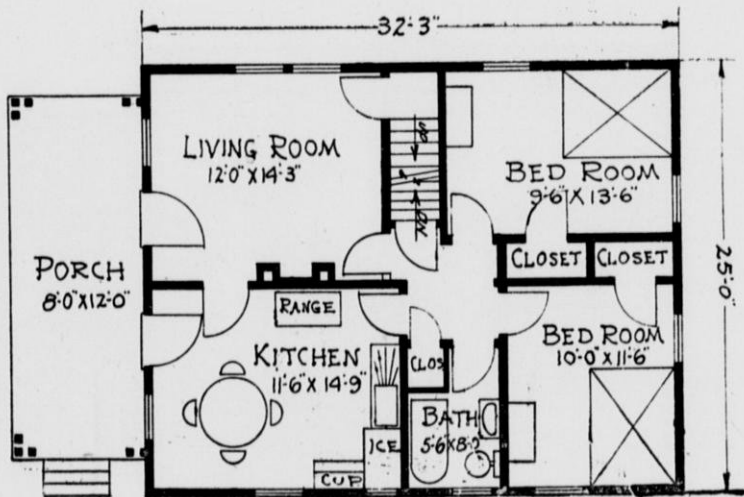


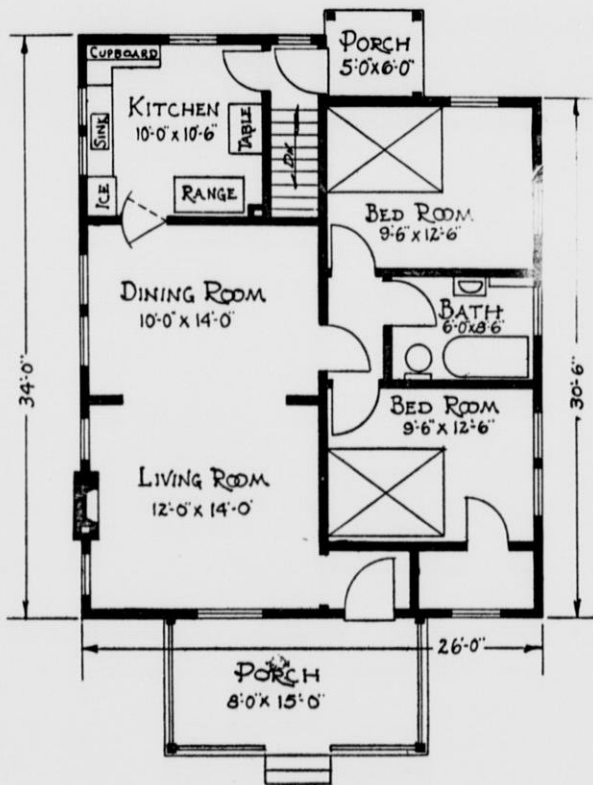
GROUND PLAN



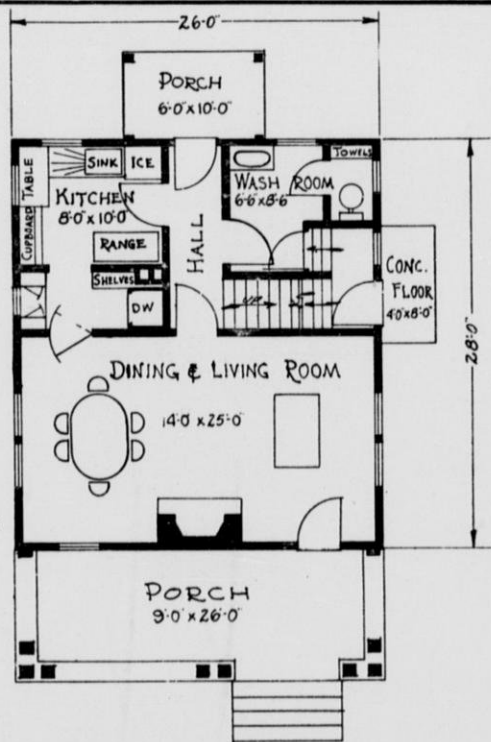
SECTION

DAIRY HOUSE
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO. D-3-11

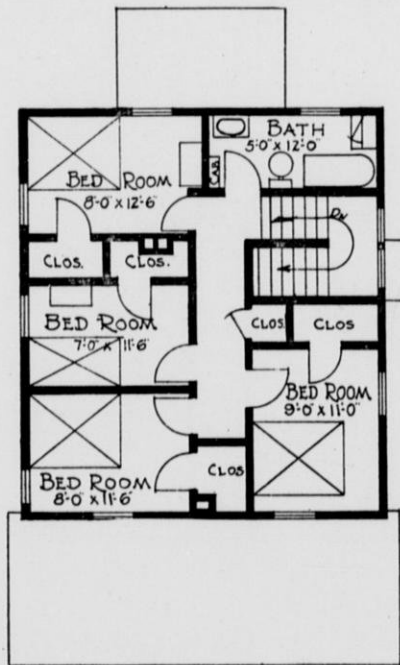






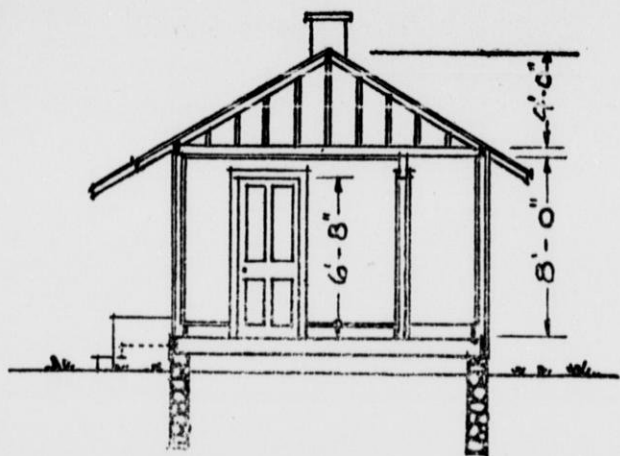


FIRST FLOOR PLAN



SECOND FLOOR PLAN

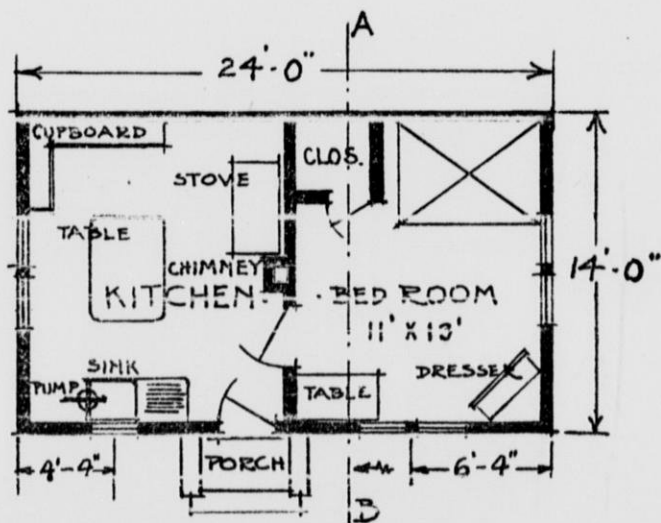
HOUSE 12



SECTION ON LINE A-B



PERSPECTIVE VIEW

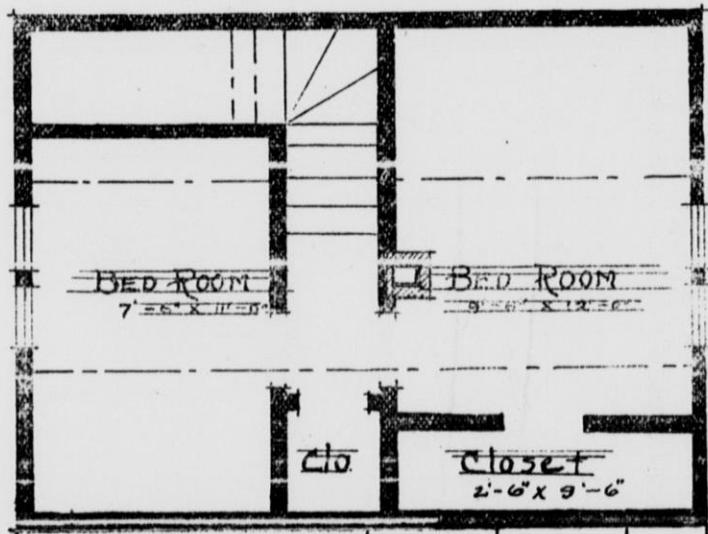
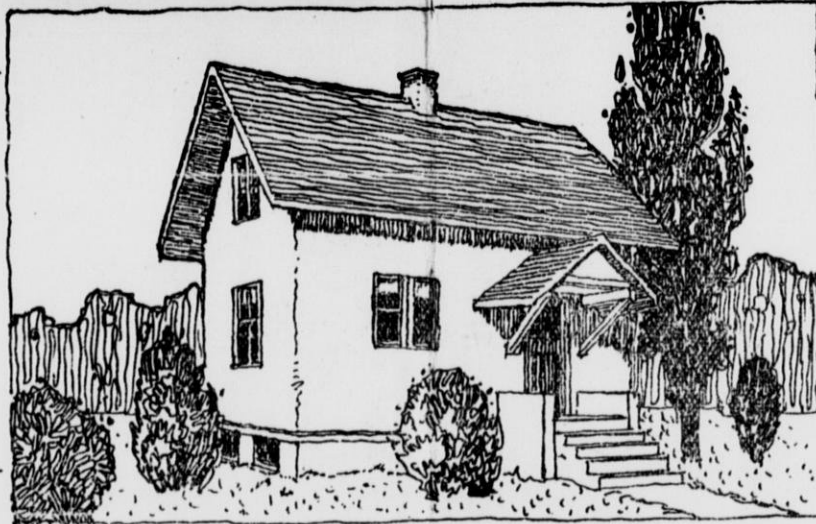
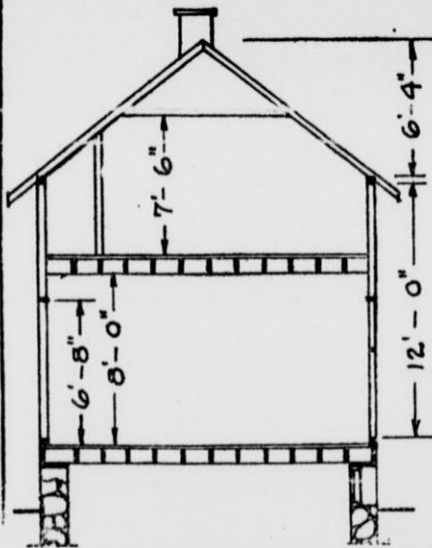


FLOOR PLAN

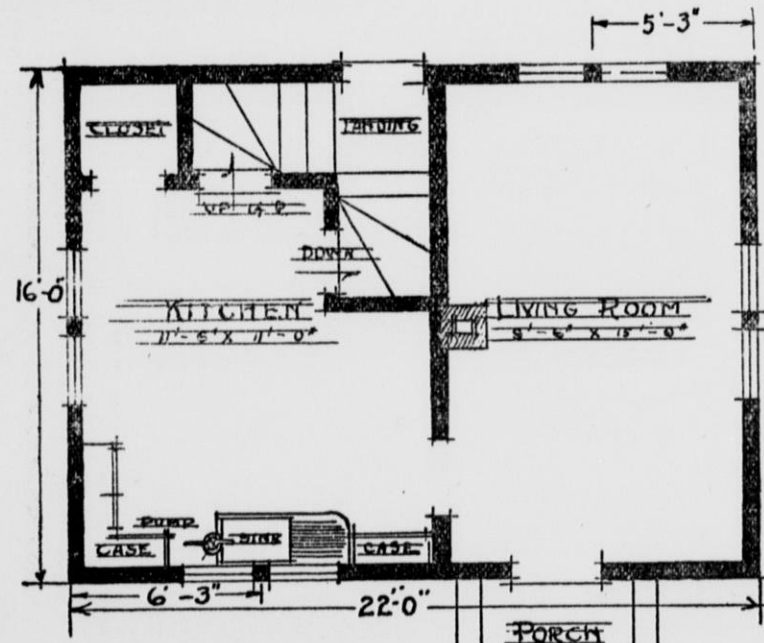
Note - Walls to be built of 2" x 4" studs @ 16" o.c. Outside walls covered with building paper, sheathing and 3 ply roofing paper. Rafter 2' o.c. covered with sheathing and 3 ply roofing paper. Ceiling joists 2" x 4" @ 16" o.c. Inside walls and ceiling covered with wall board or lath and plaster. Joists 2" x 10" @ 16" o.c. covered with 6" pine flooring. Foundation of field stone.

No. 1251
PIONEER HOUSE

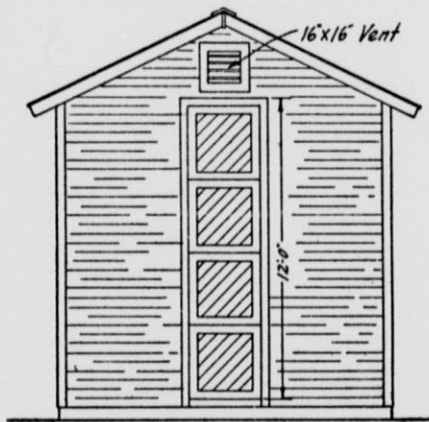
No. 1261
FOUR ROOM HOUSE



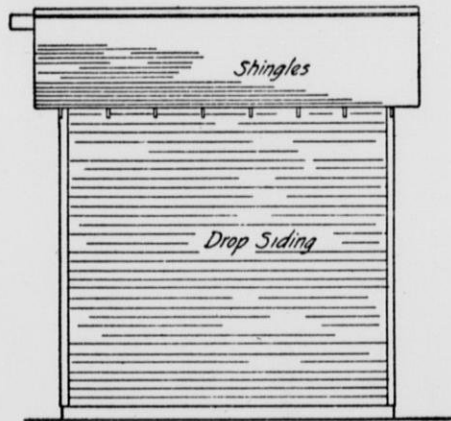
SECOND FLOOR



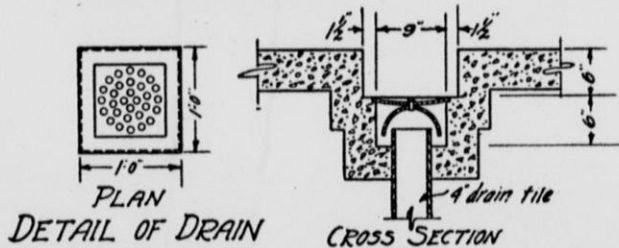
FIRST FLOOR
SCALE $\frac{3}{8}'' = 1'-0''$



FRONT ELEVATION



SIDE ELEVATION



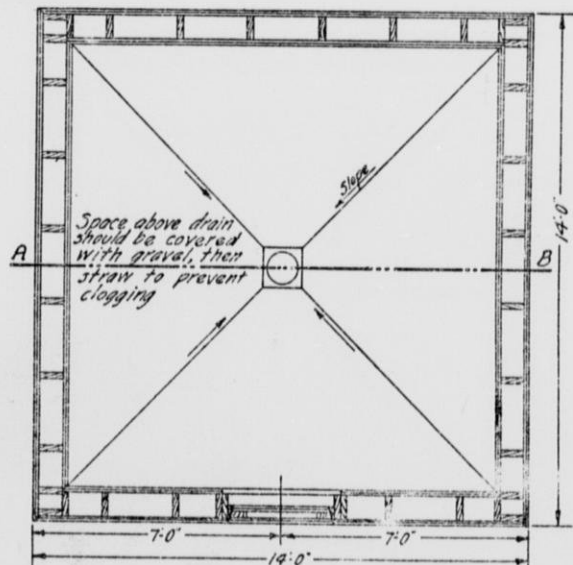
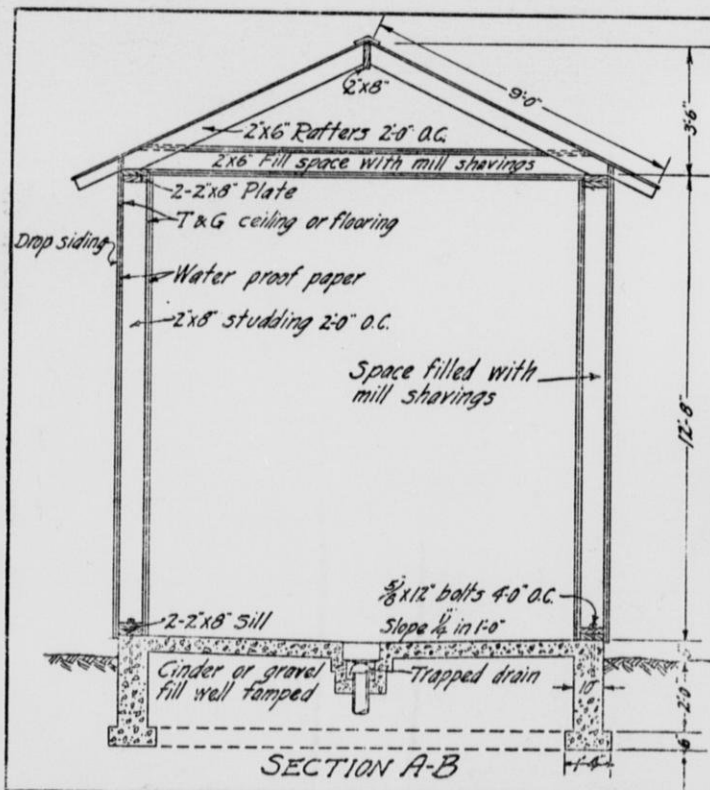
DETAIL OF DRAIN

CROSS SECTION

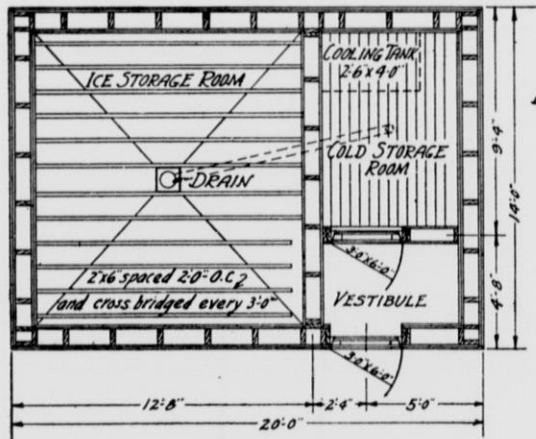


DETAIL OF DOOR

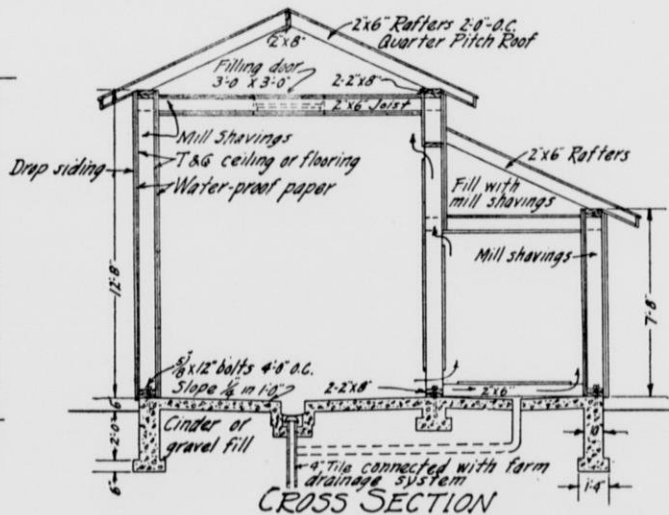
PLAN No 1-1-22



FARM ICE HOUSE 40 TON CAPACITY
DEPT. OF AGRICULTURAL ENGINEERING UNIVERSITY OF WISCONSIN
PLAN No 1-1-21



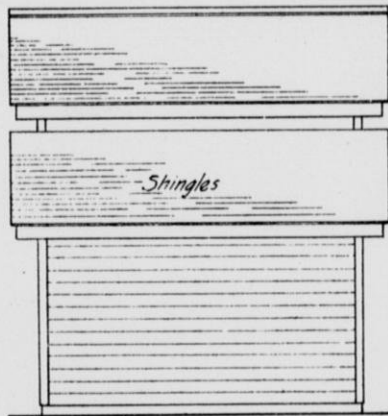
FLOOR PLAN



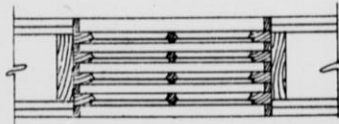
FARM ICE HOUSE
WITH COLD STORAGE ROOM
DEPT. OF AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO I-2-21



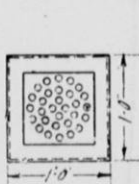
FRONT ELEVATION



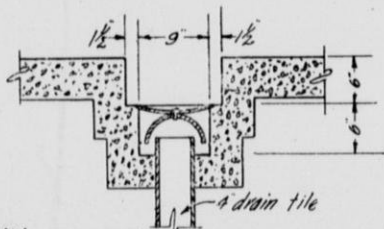
SIDE ELEVATION



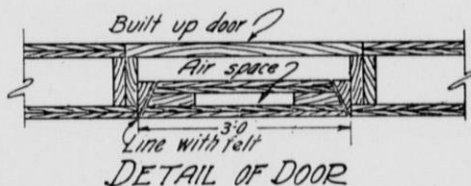
DETAIL OF FRAMING
COLD STORAGE WINDOWS



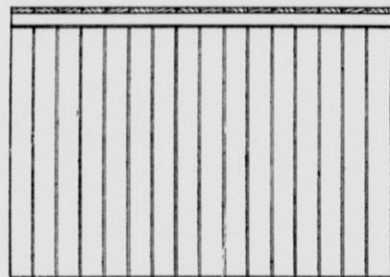
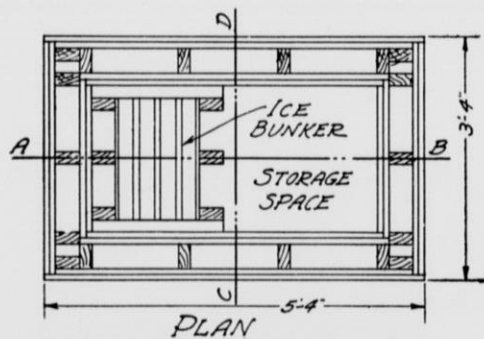
PLAN
DETAIL OF DRAIN



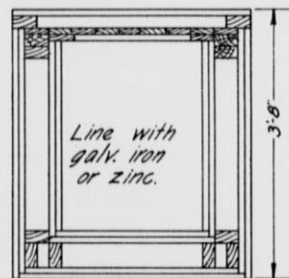
CROSS SECTION



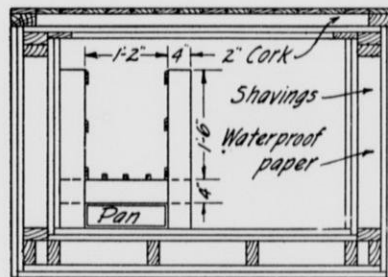
DETAIL OF DOOR



ELEVATION

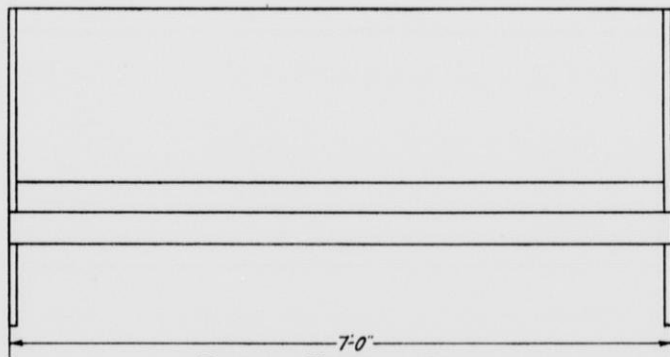
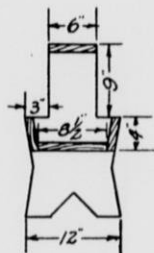
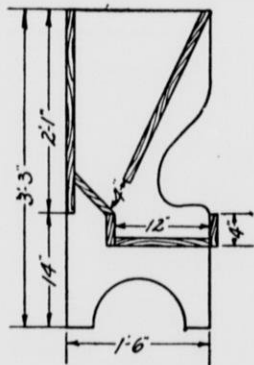


SECTION C-D

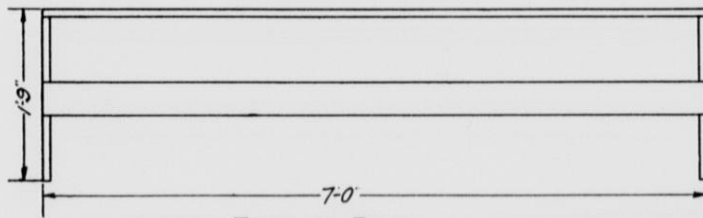


SECTION A-B

ICE BOX
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO I-3-11

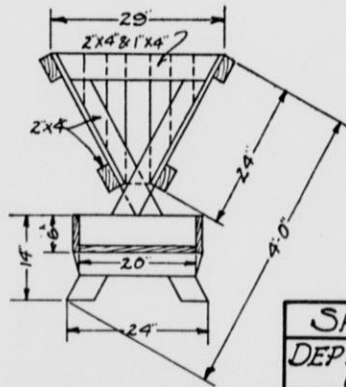
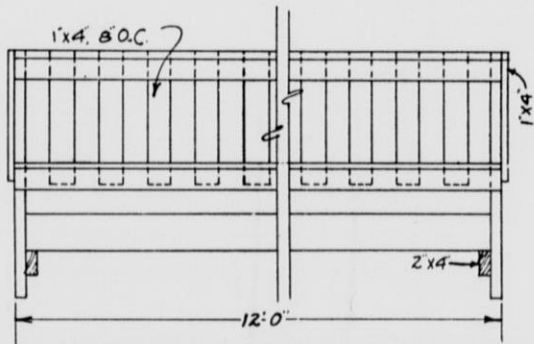
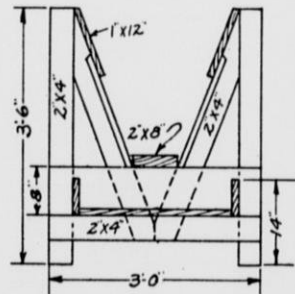
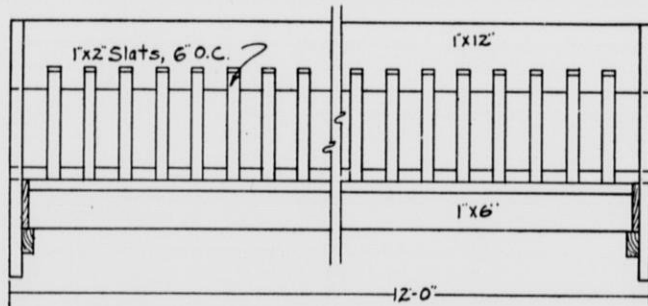
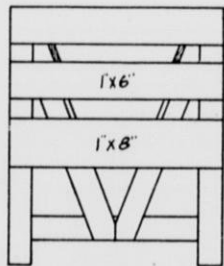


SHEEP FEEDING RACK

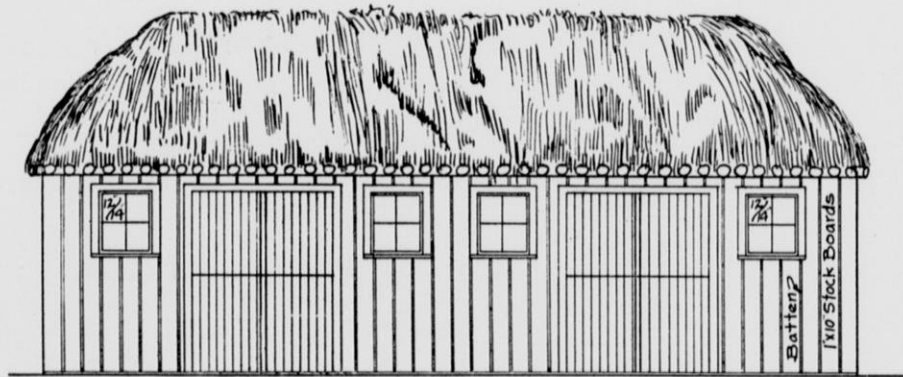
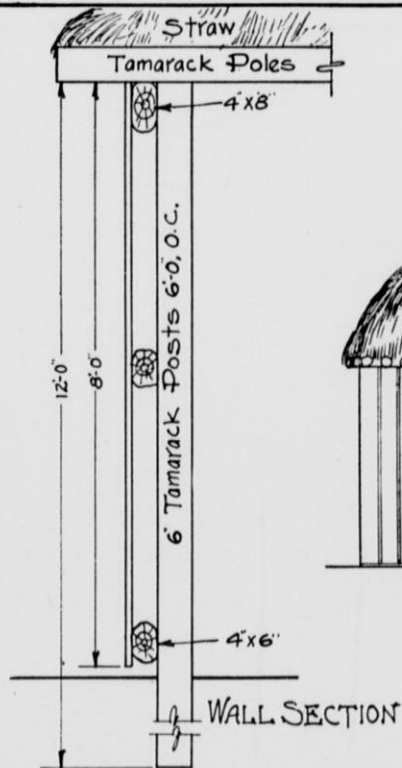


LAMB FEEDING RACK

<i>SHEEP FEEDING RACK</i>	
<i>DEPT. OF AGRICULTURAL ENGINEERING</i>	
<i>UNIVERSITY OF WISCONSIN</i>	
<i>DATE SEPT. 16, 1922</i>	<i>PLAN NO. K-1-11</i>

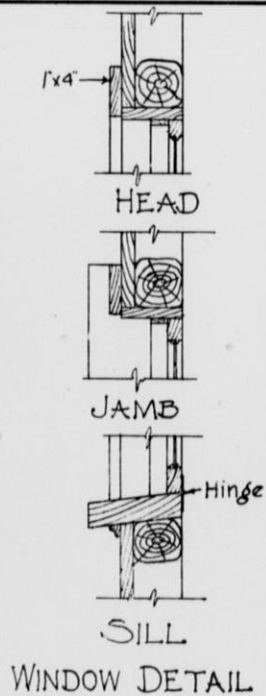
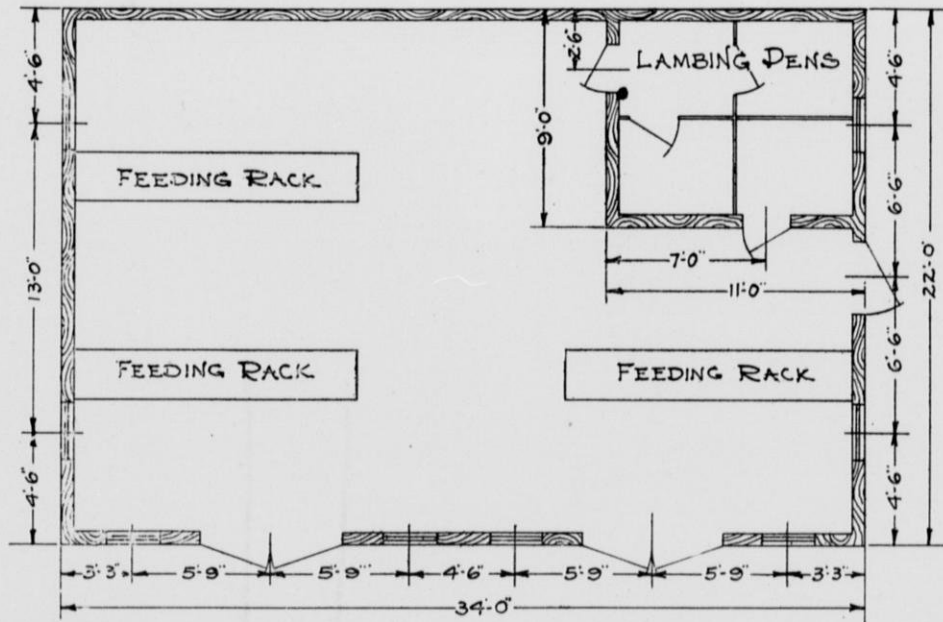


SHEEP FEEDING RACKS
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. K-2-11

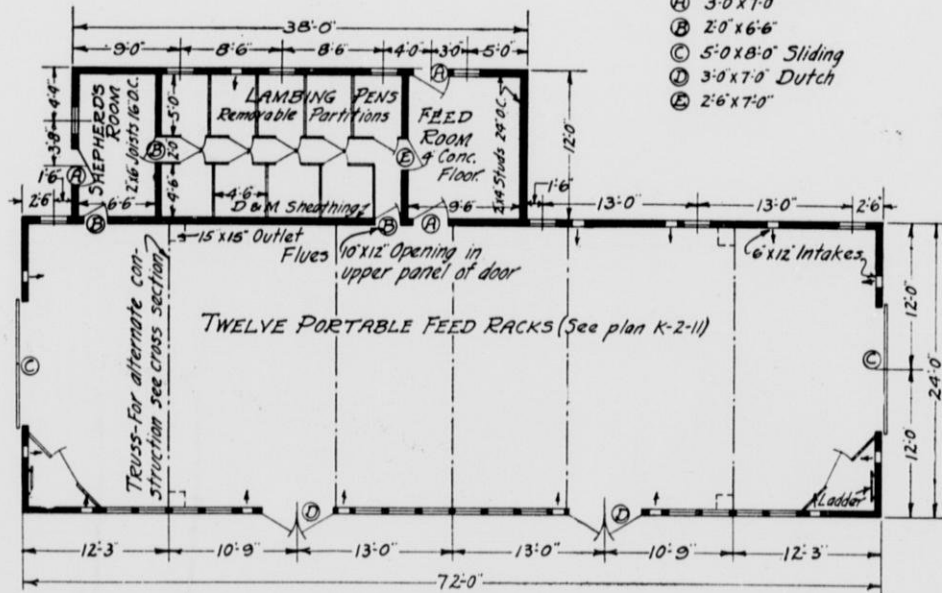


ELEVATION

SHEEP BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. K-3-21



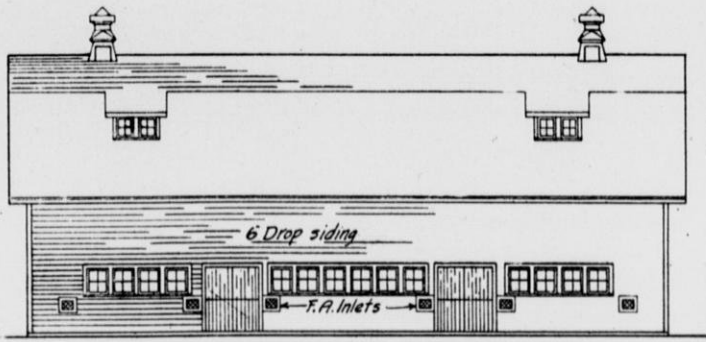
K-3-22



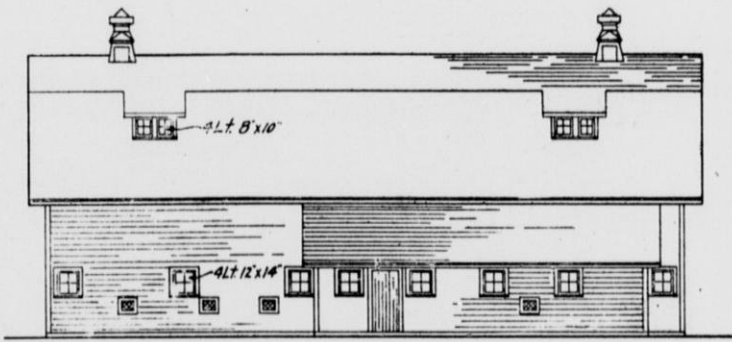
DOOR SCHEDULE

- Ⓐ 3'0" x 7'0"
- Ⓑ 2'0" x 6'6"
- Ⓒ 5'0" x 8'0" Sliding
- Ⓓ 3'0" x 7'0" Dutch
- Ⓔ 2'6" x 7'0"

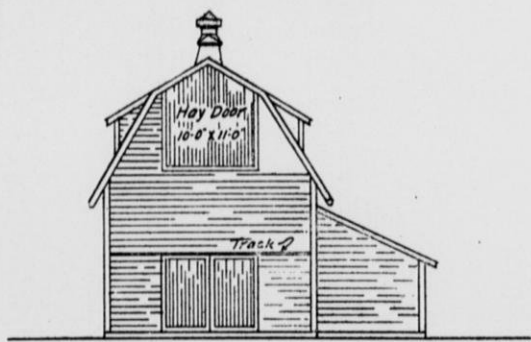
SHEEP BARN
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO K-4-41



SIDE ELEVATION



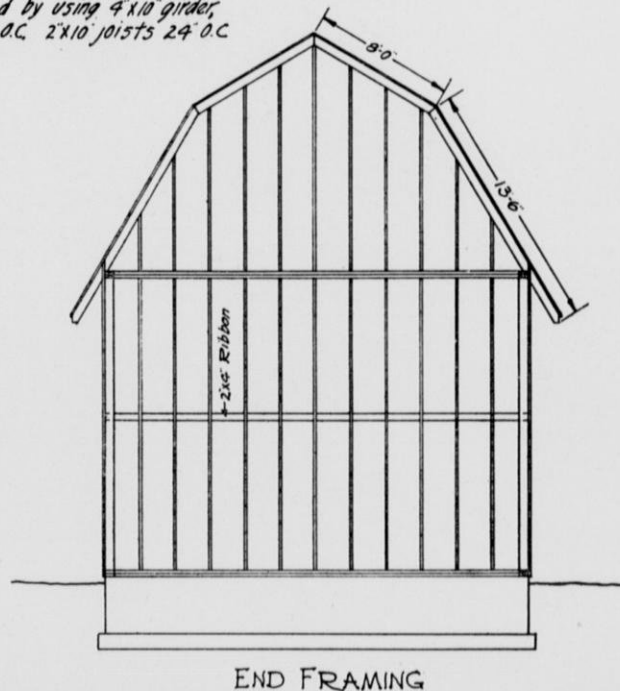
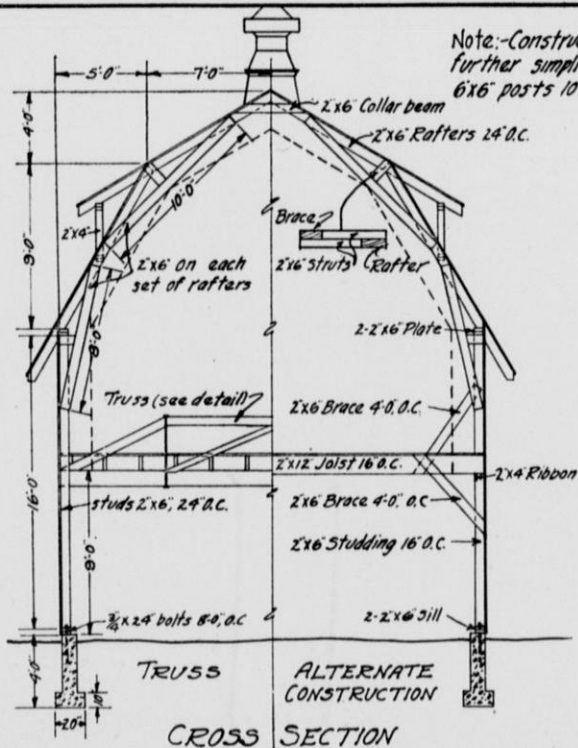
SIDE ELEVATION



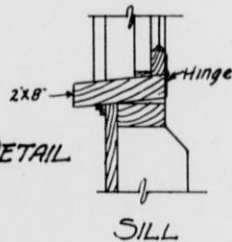
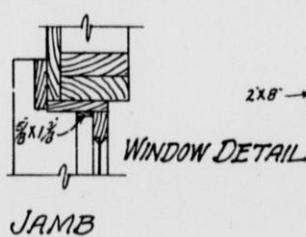
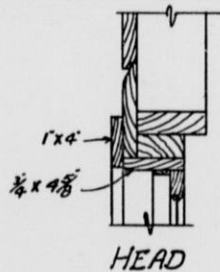
END ELEVATION

K-4-42

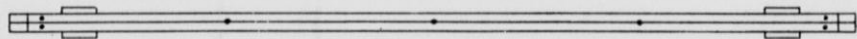
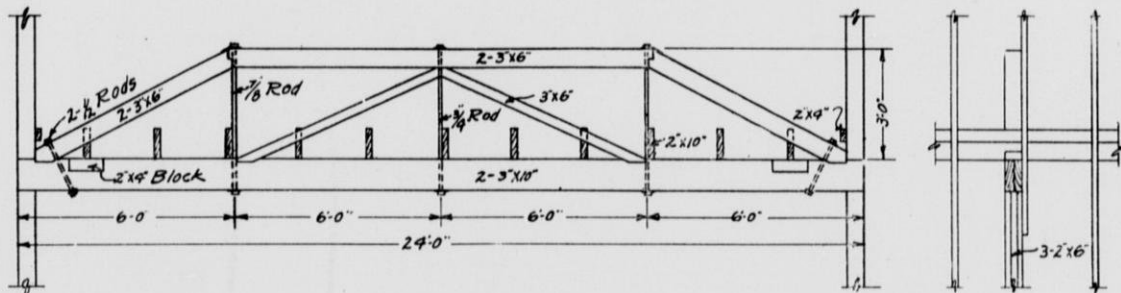
Note: - Construction of mow floor can be further simplified by using 4x10 girder, 6x6 posts 10'-0" O.C. 2x10 joists 24" O.C.



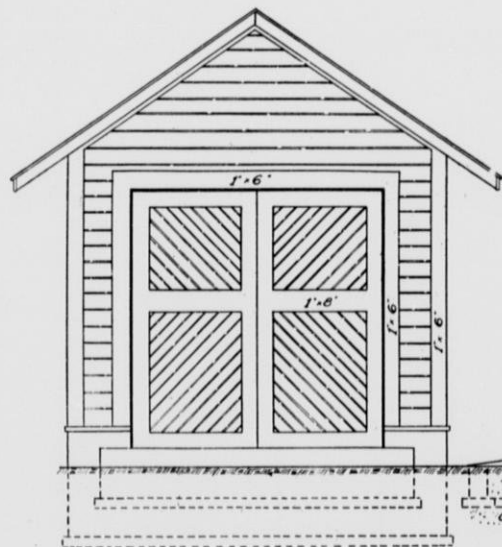
K-4-43



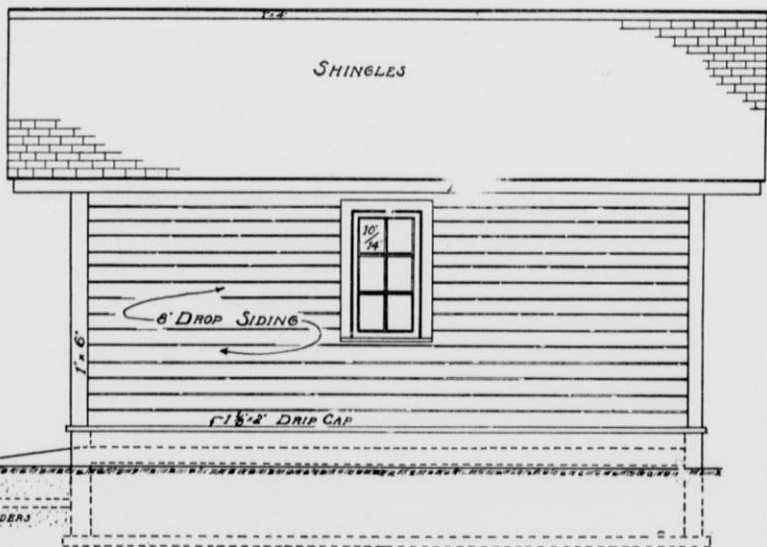
WINDOW DETAIL



DETAIL OF TRUSS

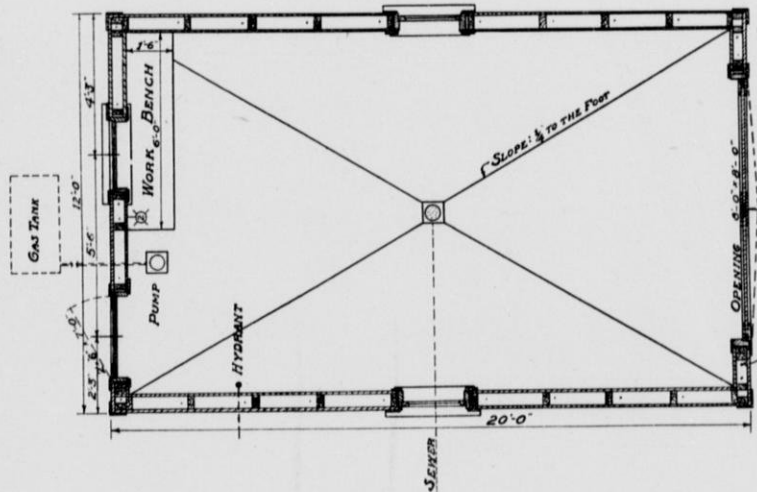


⇒ FRONT ELEVATION ⇒

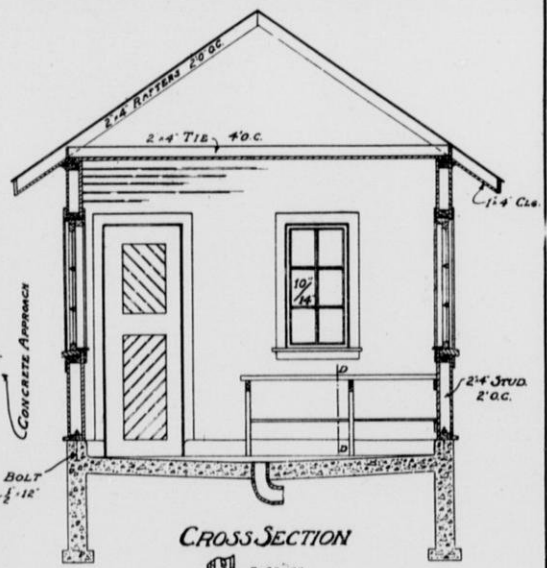


⇒ SIDE ELEVATION ⇒

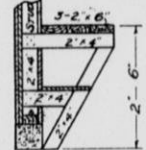
ONE CAR GARAGE
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. L-1-21



GROUND PLAN



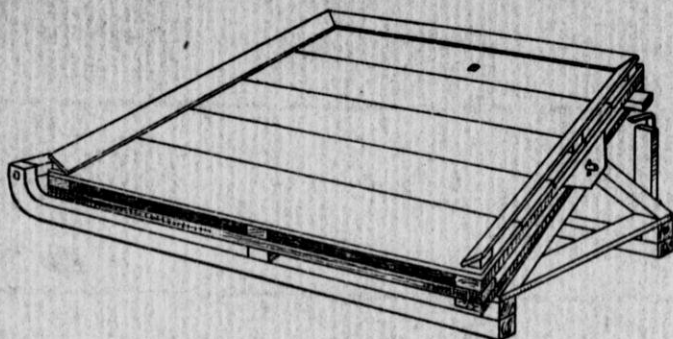
CROSS SECTION



BENCH SECTION ON D-D

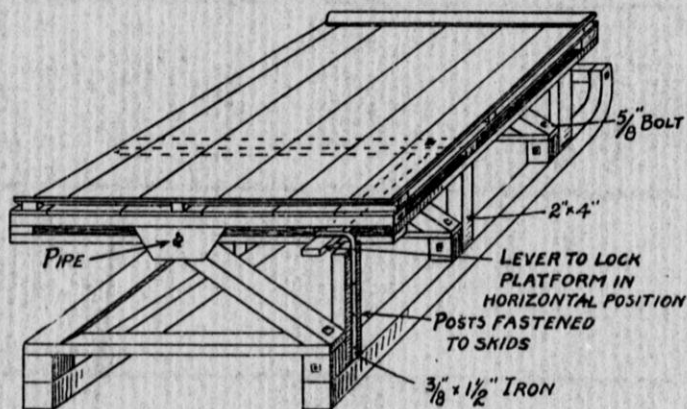
PLAN No L-1-22

HOMEMADE DUMP DRAY



UNLOADING VIEW FROM REAR

SKIDS 8'0" x 4" x 4"
CROSSBARS 4'0" x 2" x 4"
UPRIGHTS 1'9" x 2" x 4"
PLATFORM 5'0" x 7'0"
HEIGHT OF PLATFORM 2'6"



NATURAL HEWN POLES MAY BE USED FOR SKIDS AND OTHER CHANGES IN CONSTRUCTION MADE, NOT AFFECTING THE GENERAL IDEA OF A DUMP STONE-BOAT

DEPARTMENT OF AGRICULTURAL ENGINEERING
LAND CLEARING SECTION
UNIVERSITY OF WISCONSIN
IDEA SUGGESTED BY
CARL ANLEMUS, MEADOWLANDS, MINNESOTA

MALLET STUMP PULLER
(PAUL DUNION'S HAMMER)

DEPARTMENT OF
AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
LAND CLEARING-1921

TO TEAM →

CHAIN SHOULD BE AT LEAST 12'0" LONG TO GIVE TEAM BETTER CHANCE - REGULAR SKIDDING CHAIN IS GOOD

HANDLE MAY BE 6" IRONWOOD, OAK OR OTHER CONVENIENT STOUT WOOD ABOUT 6'0" LONG

30"

10"

3/8" CHAIN 10'0" LONG, A ROUND HOOK OR RING ON ONE END AND GRAB HOOK ON THE OTHER

BLOCK TO BE CEDAR OR AS LIGHT AS POSSIBLE

STUMP SPLIT WITH DYNAMITE

TO TEAM →

30"

10"

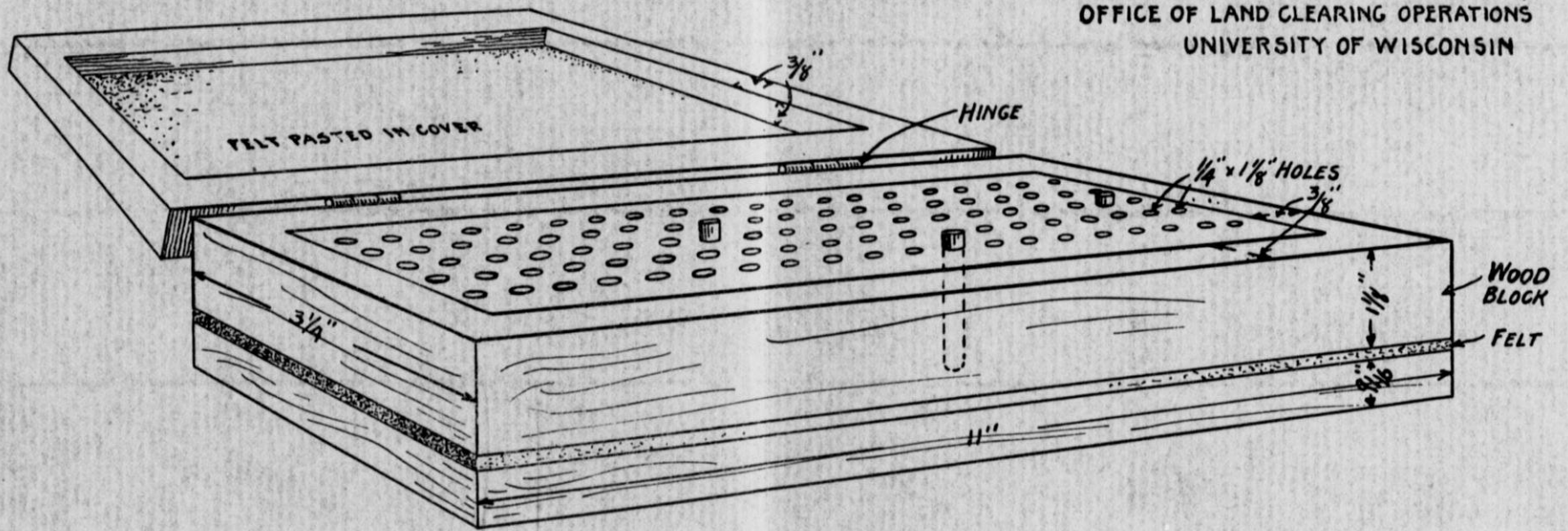
3/4" STEEL RING 7" IN DIAMETER WITH GRAB HOOK ATTACHED

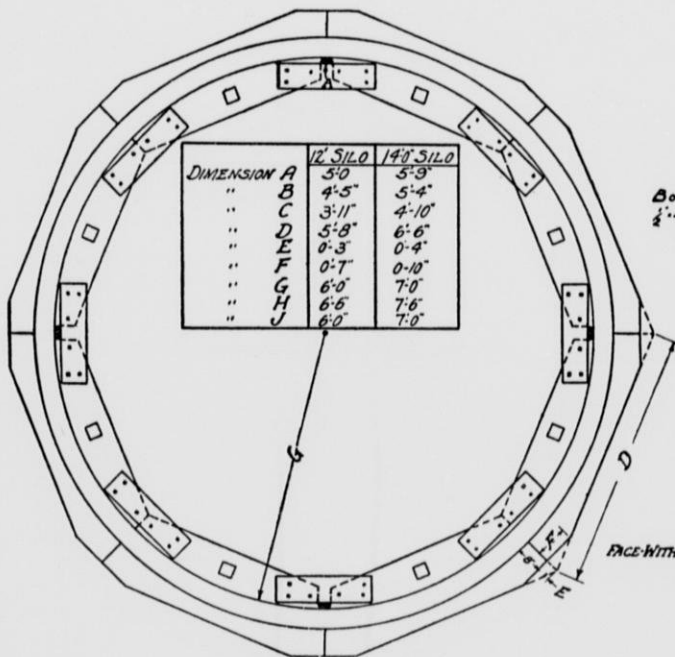
SWAMP HOOK HERE

1/2" CHAIN 4'0" LONG

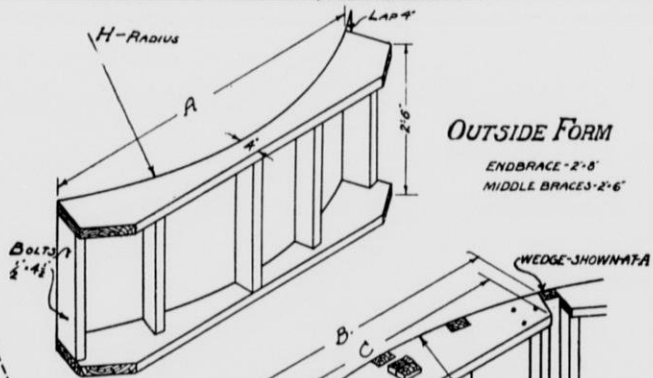
HOMEMADE HANDY CAP BOX

DEPARTMENT OF AGRICULTURAL ENGINEERING
OFFICE OF LAND CLEARING OPERATIONS
UNIVERSITY OF WISCONSIN





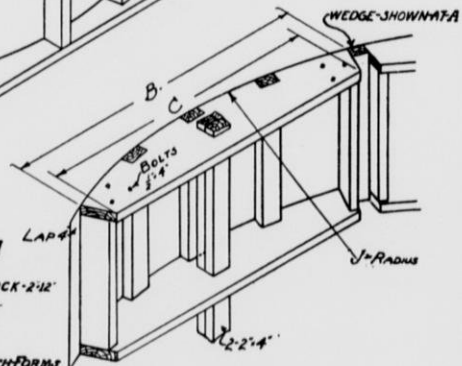
GROUND PLAN



OUTSIDE FORM

END BRACE - 2'-8"
MIDDLE BRACES - 2'-6"

BOLTS
1/2" x 4 1/2"



INSIDE FORM

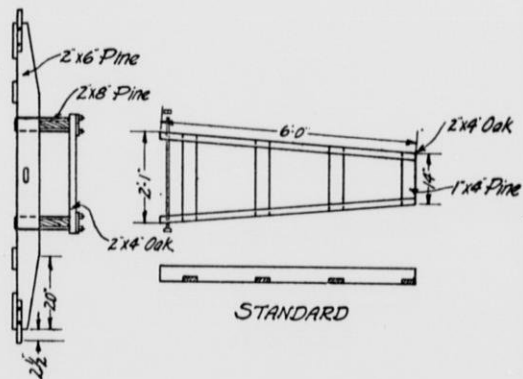
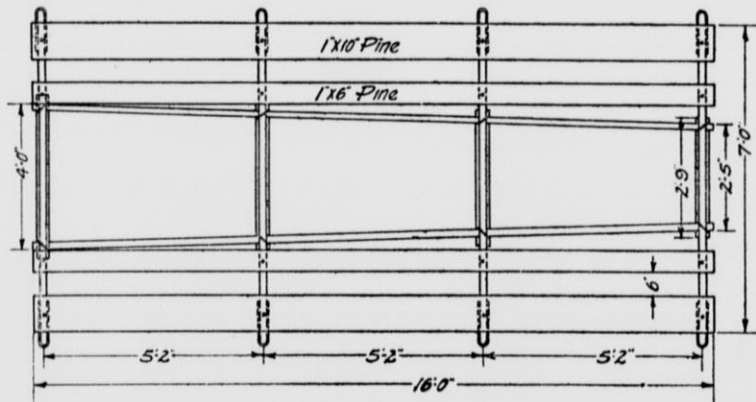
FORM FRAME STOCK - 2"x12"
END BRACE - 2'-6"
BRACES - 2'-4"

FACE WITH NO. 16 SHEET IRON BOTH FORMS

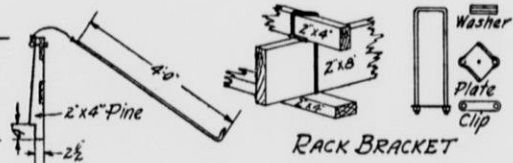
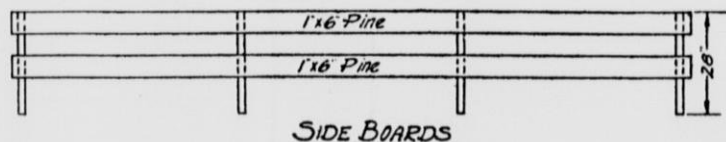
12' & 14' WOOD SILO FORMS

DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN

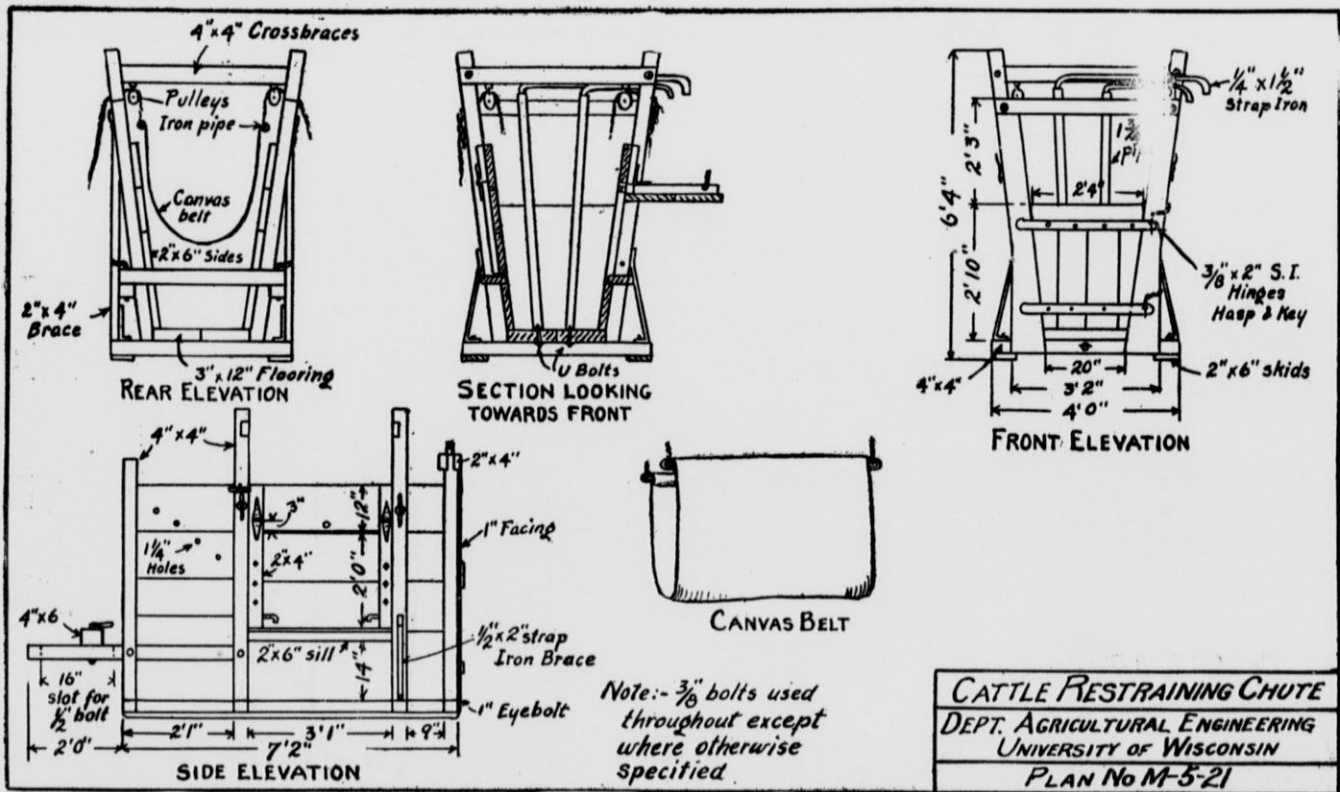
PLAN No. M-1-11

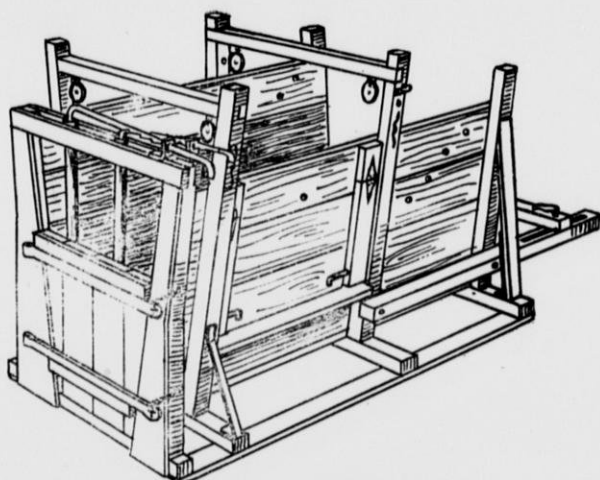


STANDARD

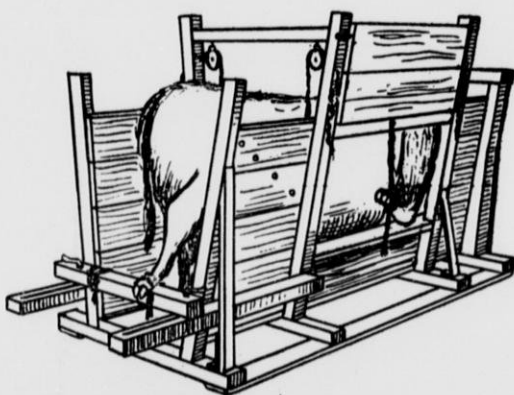


BASKET HAYRACK
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. M-4-11



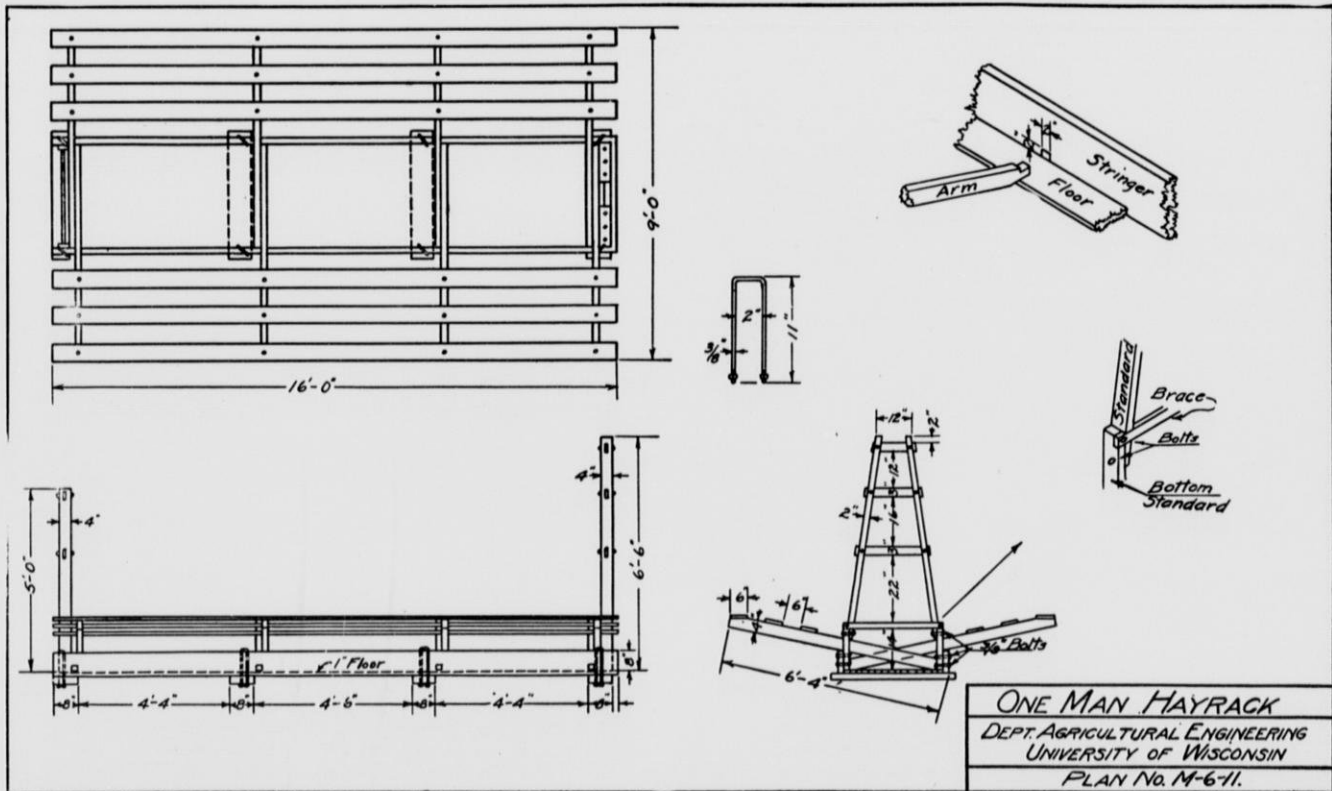


PERSPECTIVE OF CRATE

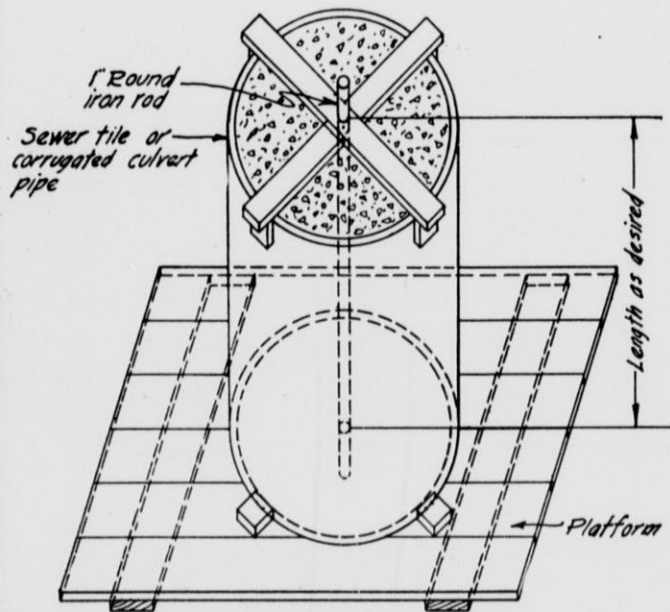


PERSPECTIVE OF CRATE
SHOWING ANIMAL IN POSITION

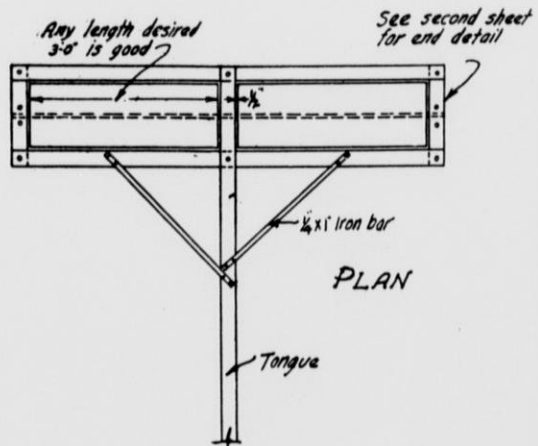
PLAN No. M-5-22



ONE MAN HAYRACK
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. M-6-11.

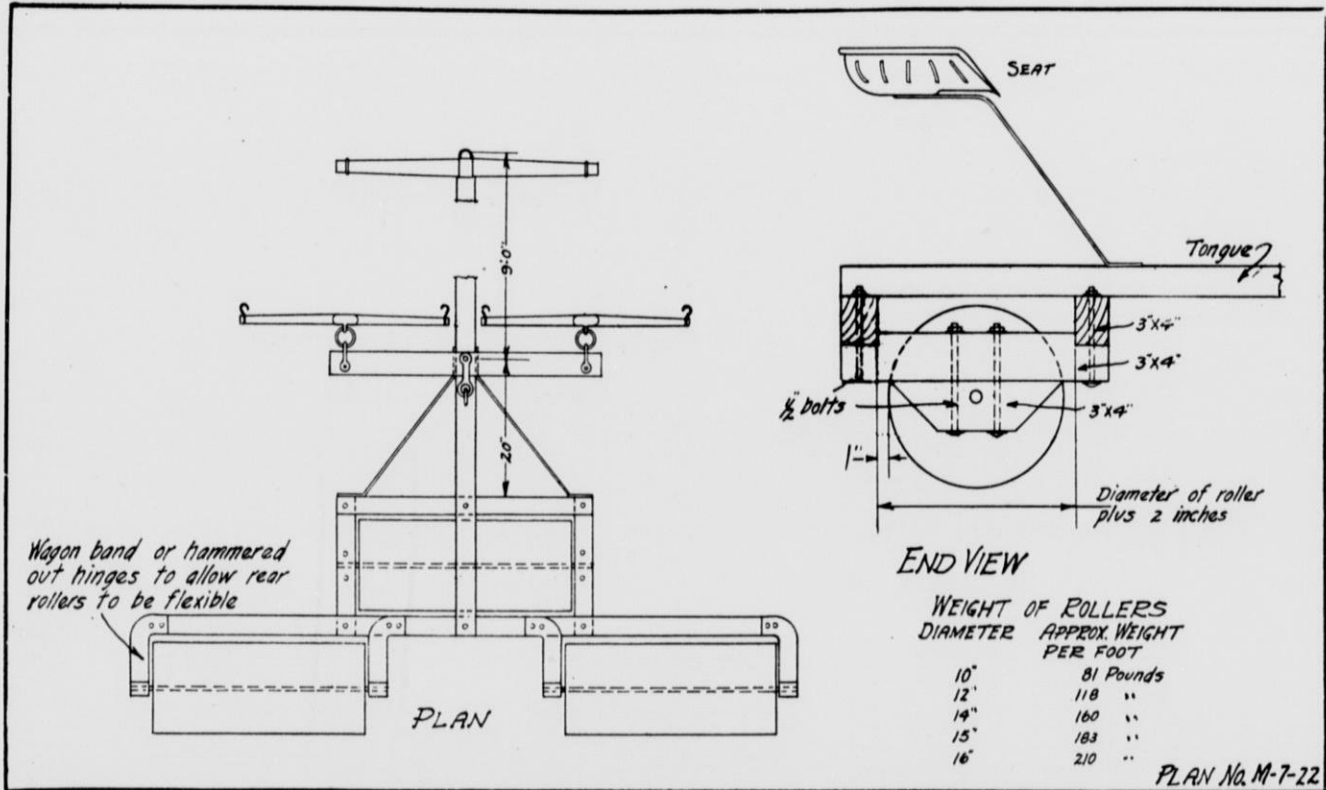


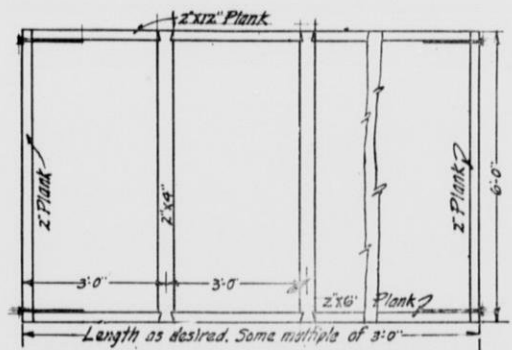
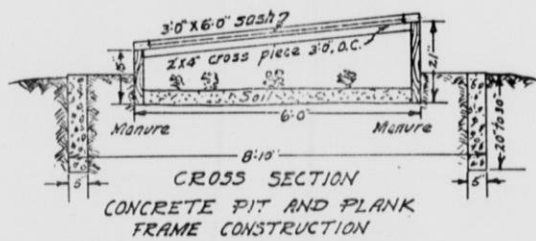
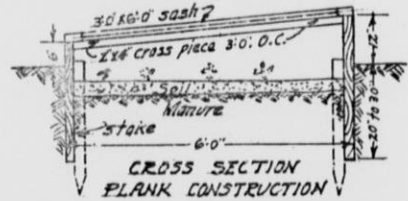
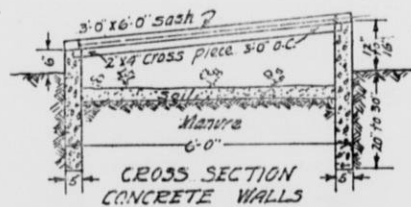
METHOD OF POURING CONCRETE
AND CENTERING ROD



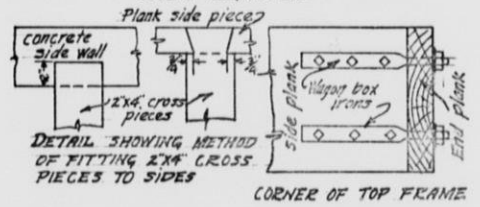
PLAN

CONCRETE ROLLER DESIGNS
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. M-7-21

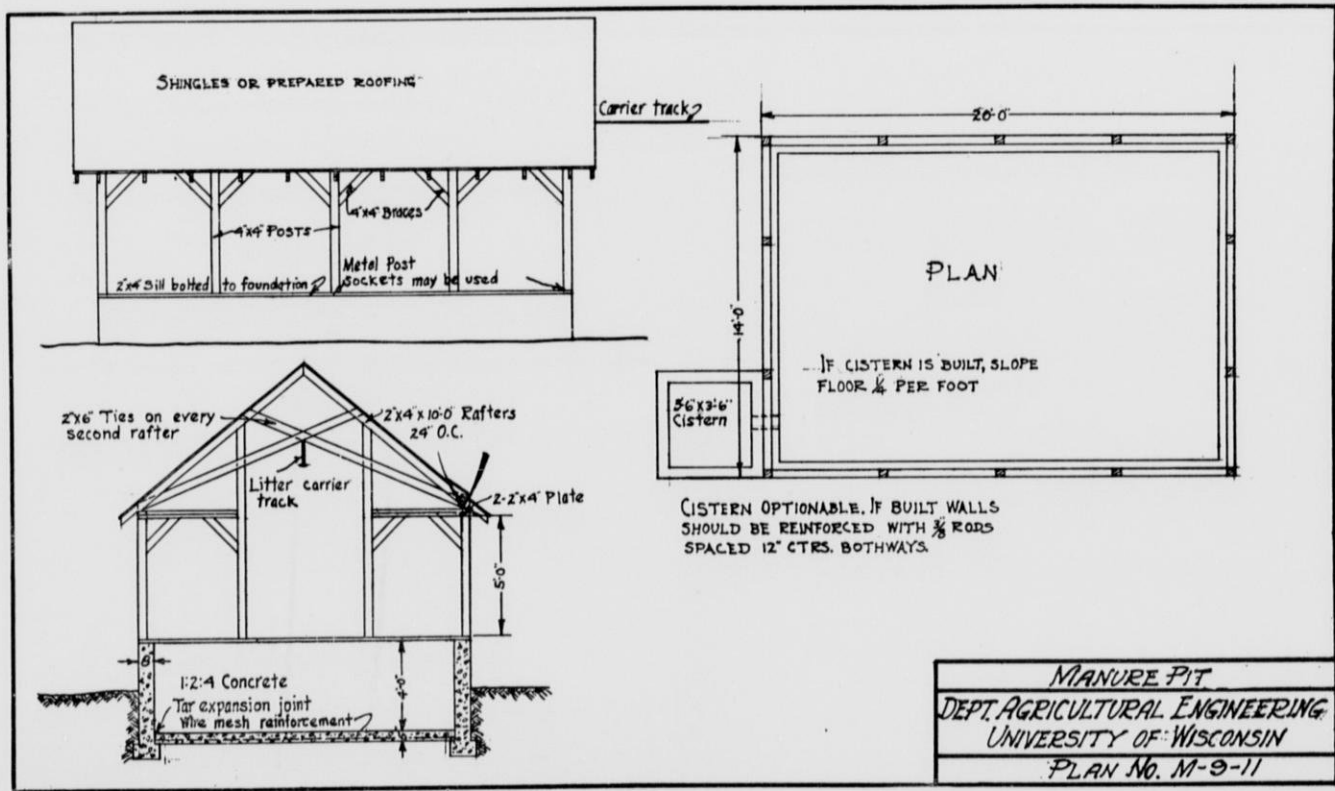


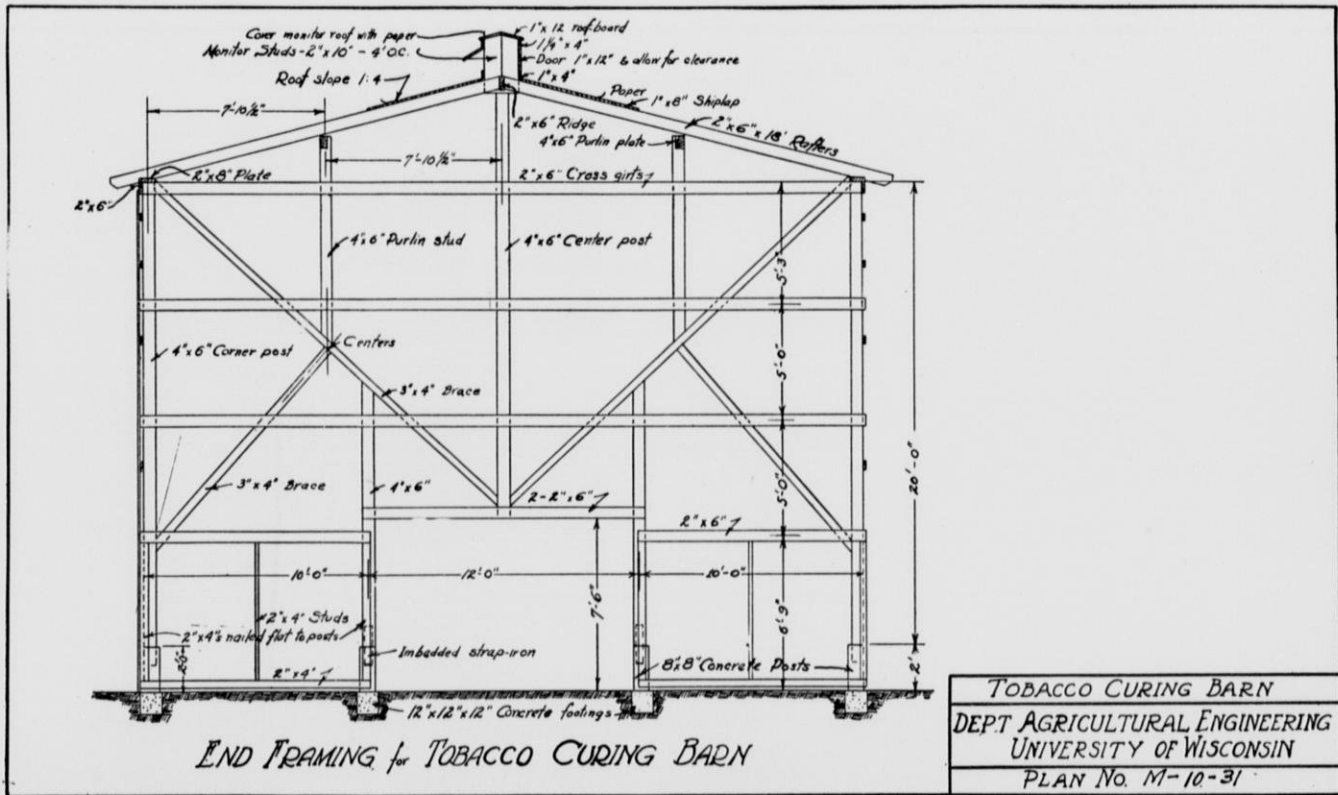


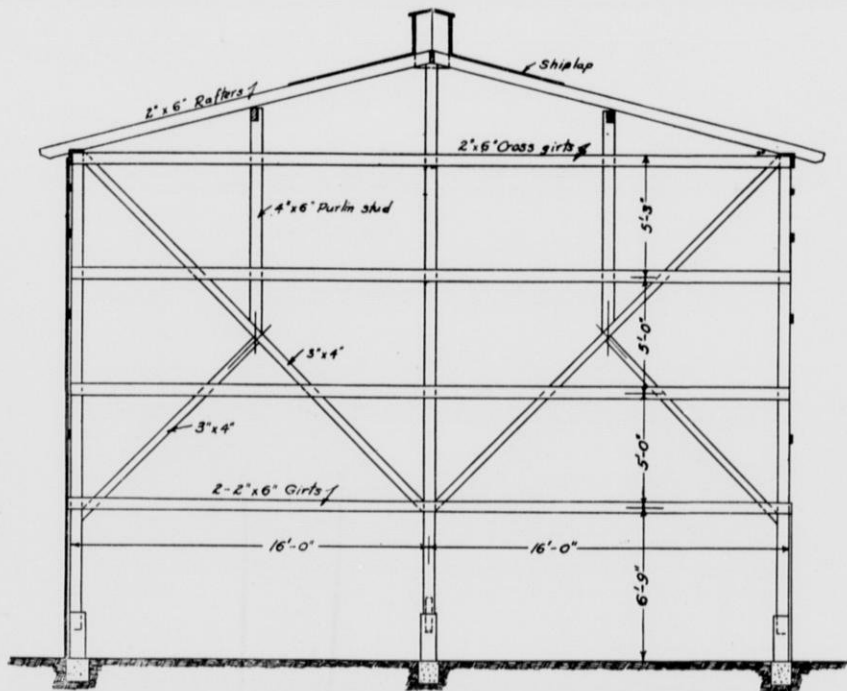
PLAN SHOWING WOOD TOP FRAME
SASH REMOVED



HOT BED
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. M-8-11

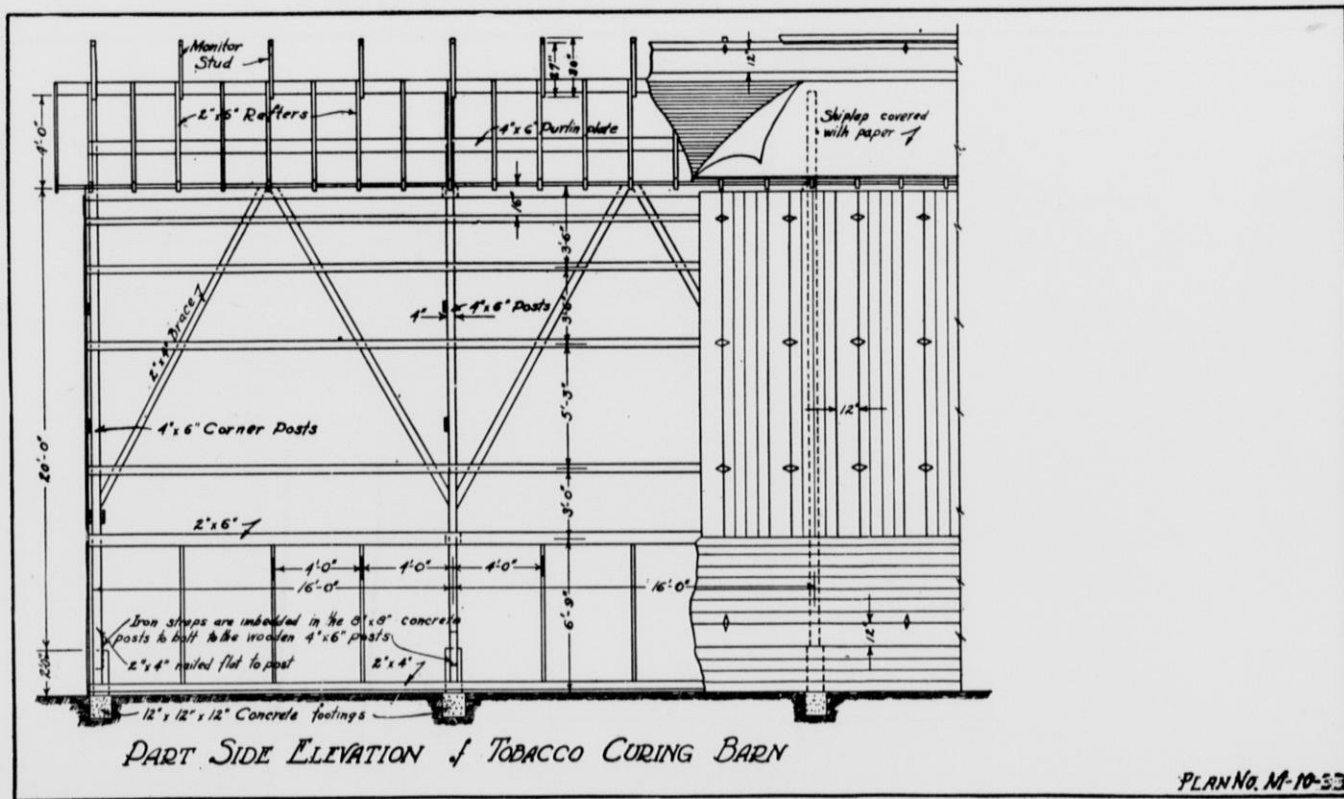






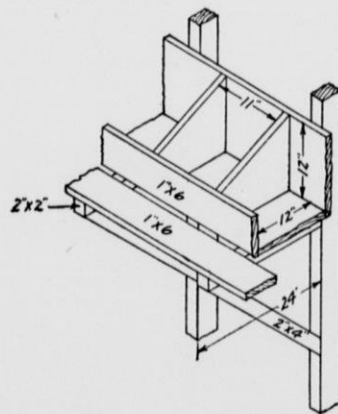
INSIDE FRAMING for TOBACCO CURING BARN

PLAN No. M-10-32

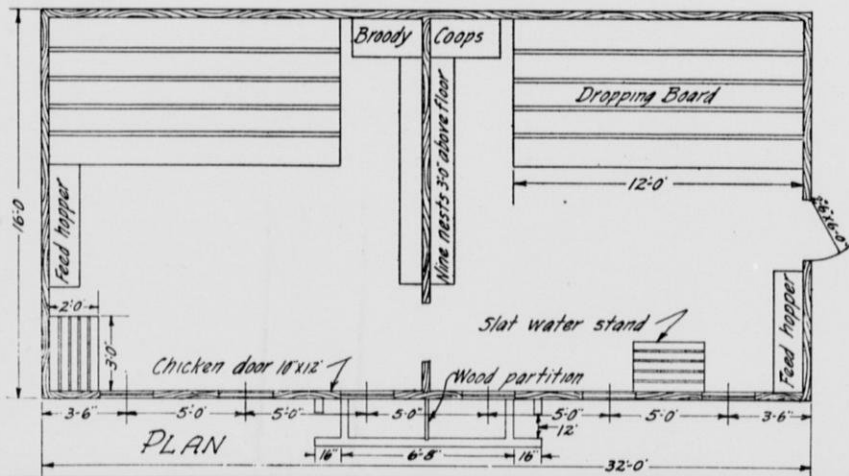




FRONT ELEVATION

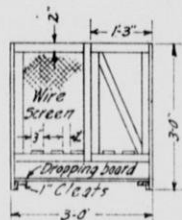
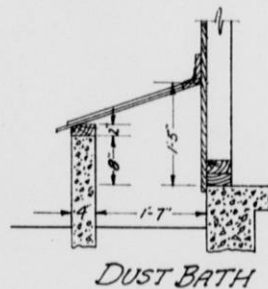
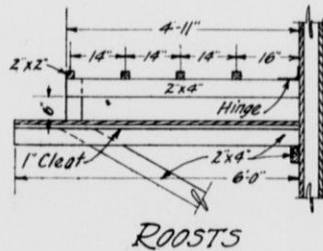
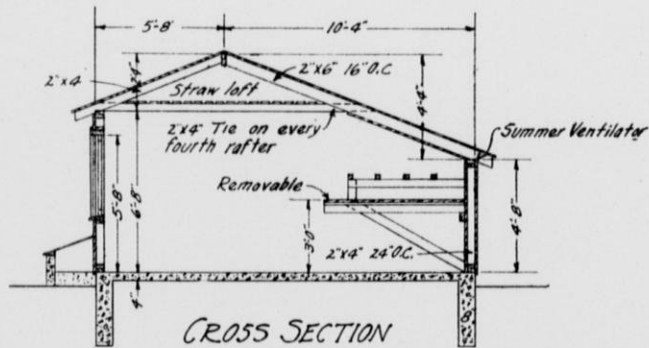


DETAIL OF NESTS

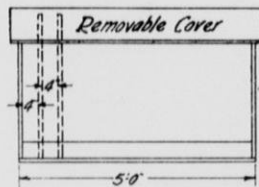
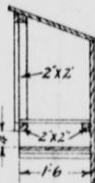


PLAN

POULTRY HOUSE
 DEPT AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN NO P-1-21

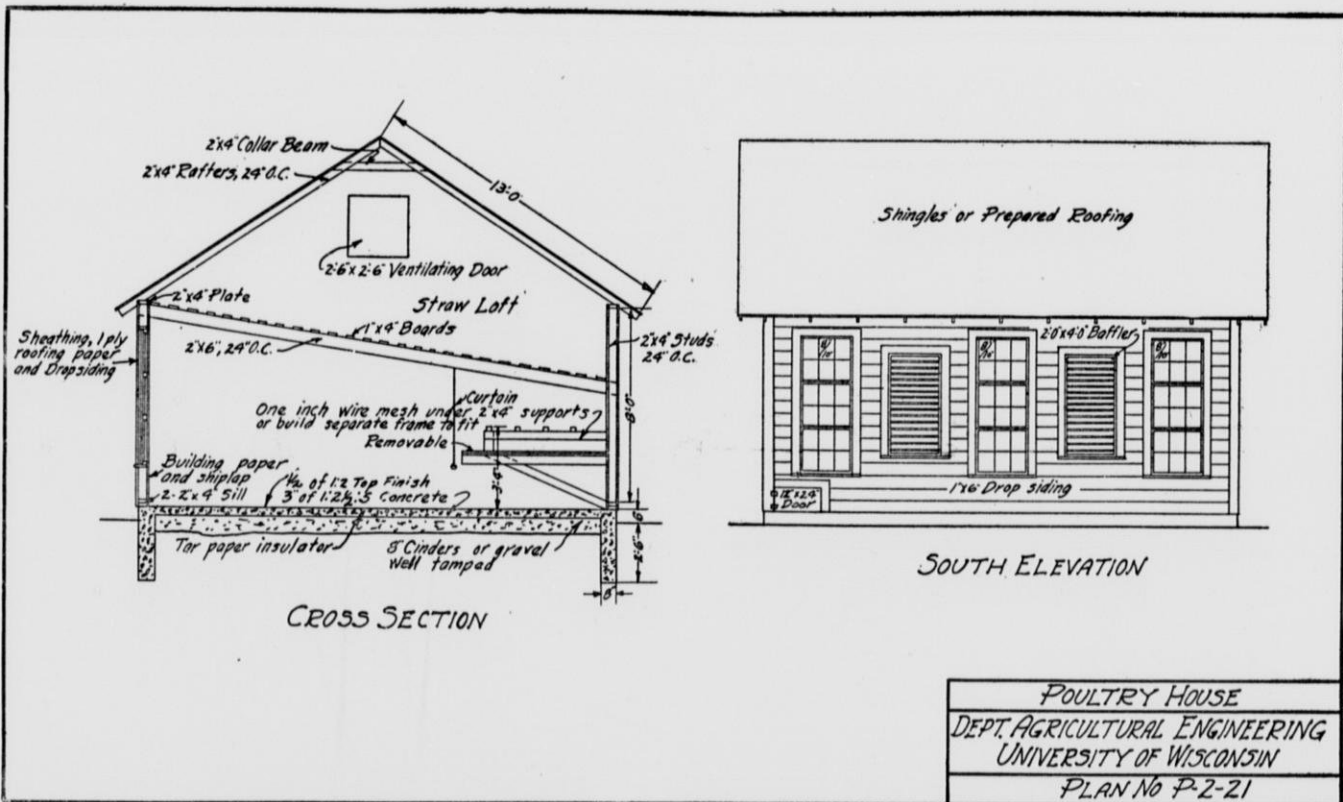


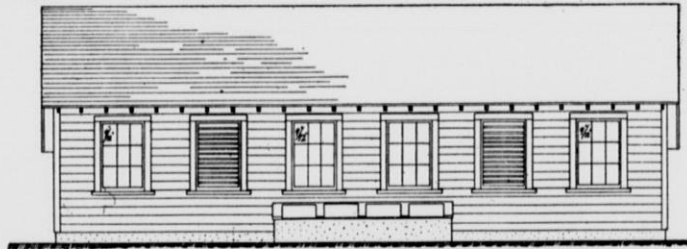
• BROODY COOP



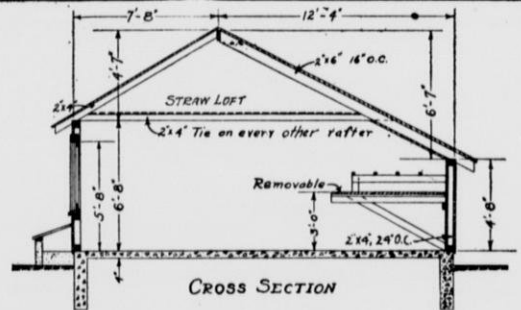
FEED HOPPER



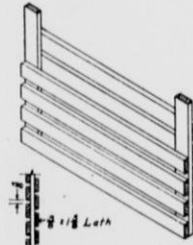
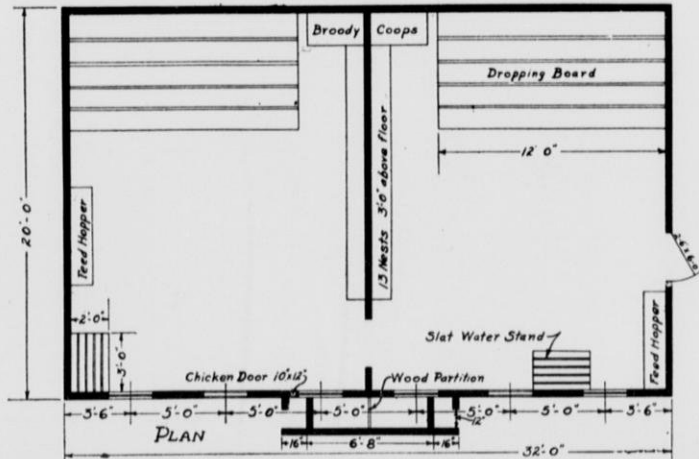




FRONT ELEVATION



CROSS SECTION

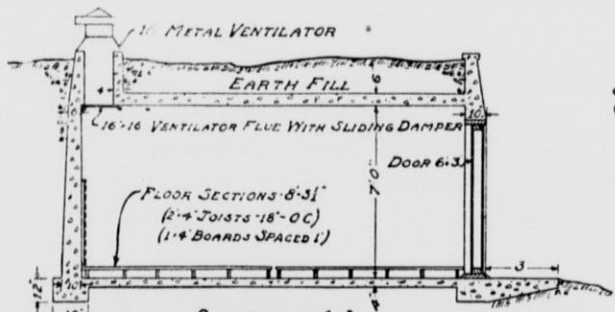


LATH VENTILATOR



DETAIL OF ROOSTS

POULTRY HOUSE
 DEPT AGRICULTURAL ENGINEERING
 UNIVERSITY of WISCONSIN
 PLAN No. P-3-11

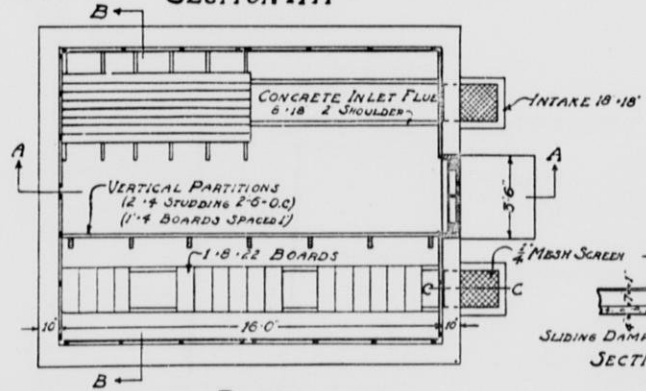


SECTION A-A

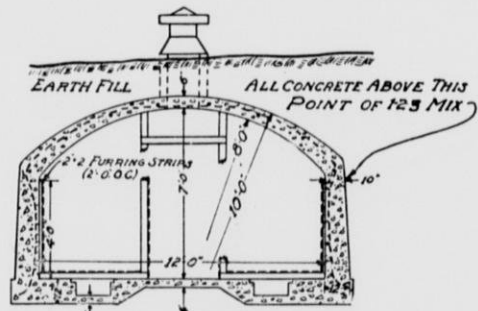


DETAIL OF DOOR

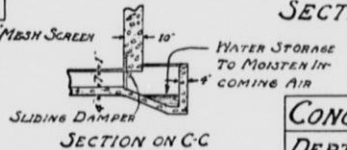
-REINFORCING STEEL-
 LATERAL - $\frac{5}{8}$ " ϕ SPACED 6"
 LONGITUDINAL - $\frac{1}{2}$ " ϕ SPACED 2'0"



PLAN

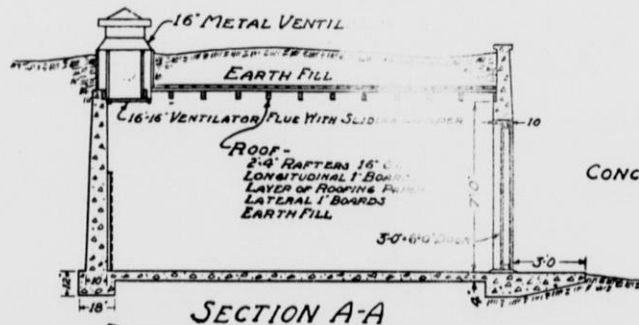


SECTION B-B

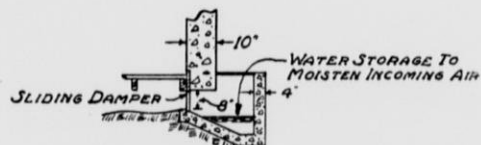
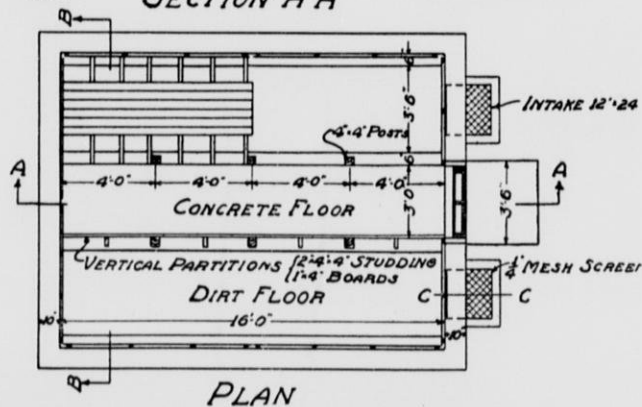
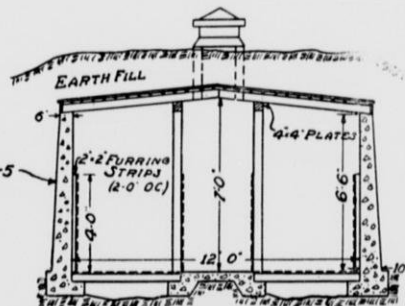


SECTION ON C-C

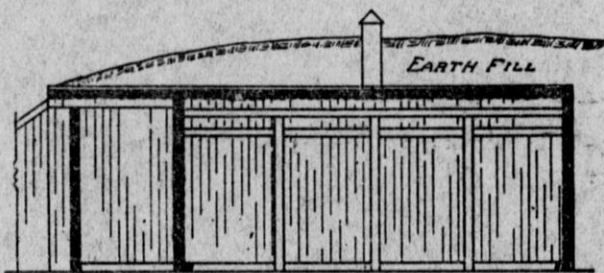
CONCRETE STORAGE CELLAR
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. R-1-11



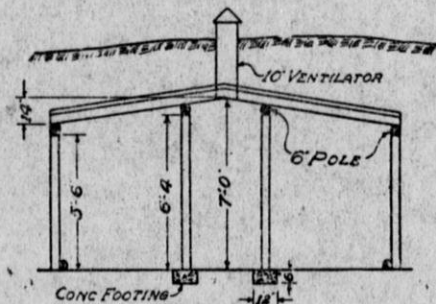
CONCRETE 1-2 1/2-5



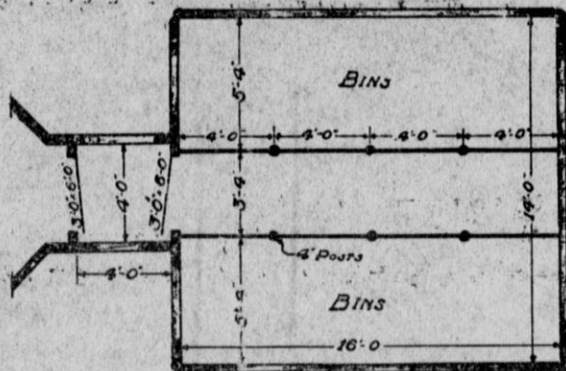
STORAGE CELLAR
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. R-2-11



LONGITUDINAL SECTION



CROSS-SECTION

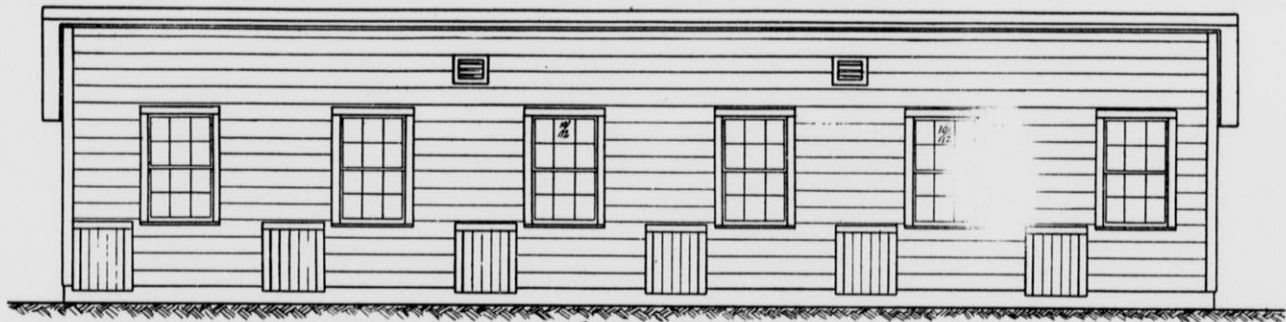


PLAN

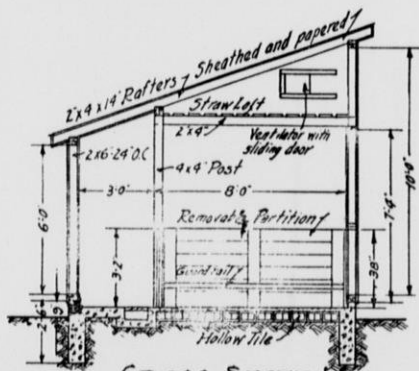
NOTE:

WALLS TO BE OF 4" TAMARACK
POLES SET ON END ROOF OF
TAMARACK POLES LAID CLOSE
AND COVERED WITH 2" OF CON-
CRETE REINFORCE CONCRETE AT
RIDGE WITH 26" WOVEN WIRE

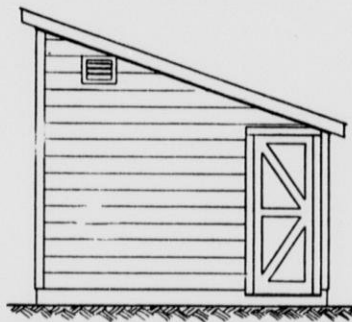
POLE STORAGE CELLAR
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. R-3-11



• SOUTH ELEVATION •

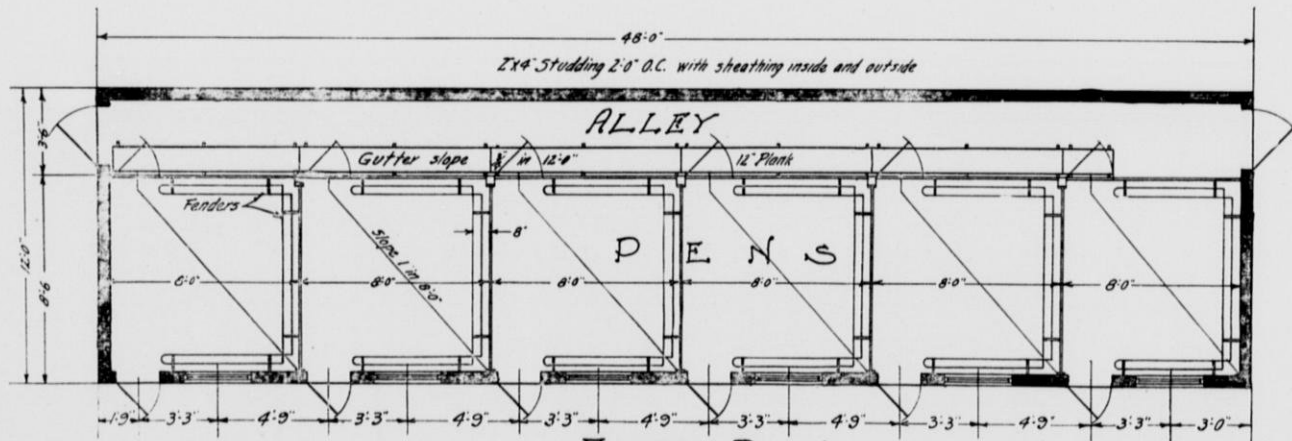


• CROSS SECTION •



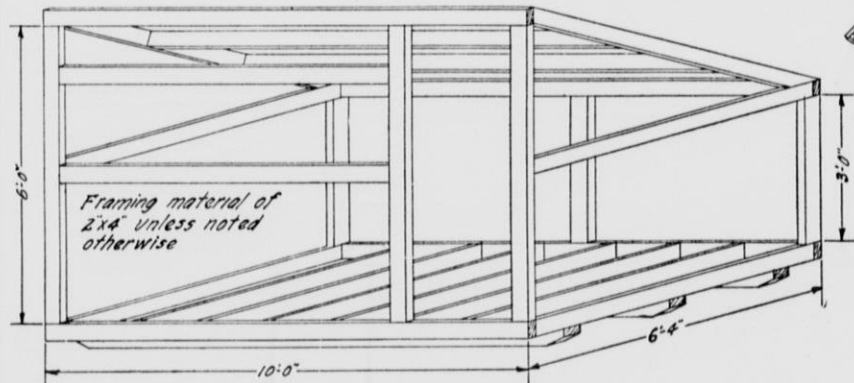
• EAST ELEVATION •

No. S-1-21
 HOG HOUSE
 AGRIC. ENG. DEPT
 UNIVERSITY OF WISCONSIN
 JUNE 1921

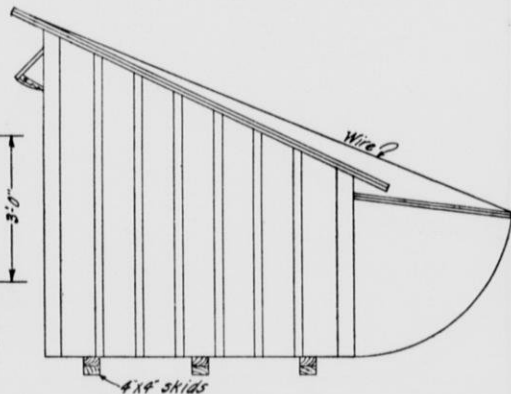


FLOOR PLAN
SCALE 1/4" = 1'-0"

No. S-1-22
 HOG HOUSE
 AGRIC. ENG. DEPT.
 UNIVERSITY OF WISCONSIN
 JUNE 1921

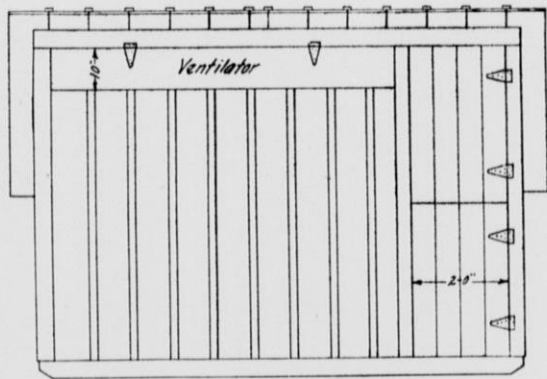


FRAMING DETAIL

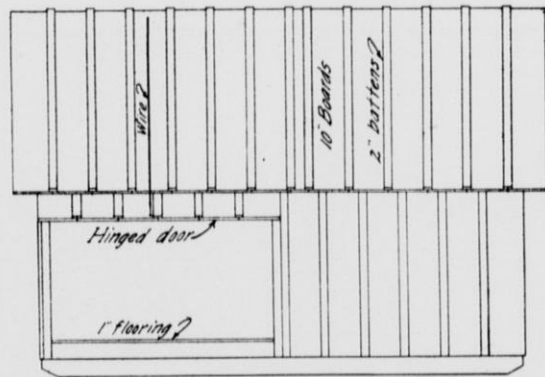


END VIEW

INDIVIDUAL HOG HOUSE
DEPT. OF AGRICULTURAL ENGINEERING UNIVERSITY OF WISCONSIN
PLAN No. 5-2-21

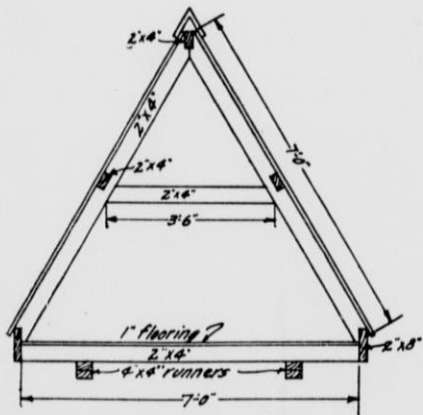


FRONT VIEW

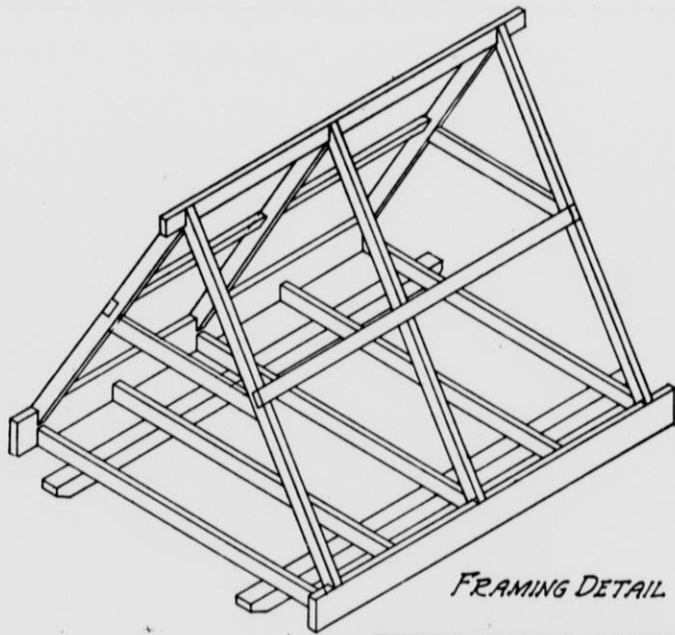


REAR VIEW

PLAN No. S-2-22

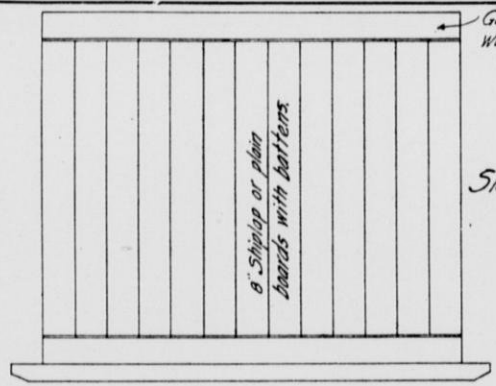


CROSS SECTION

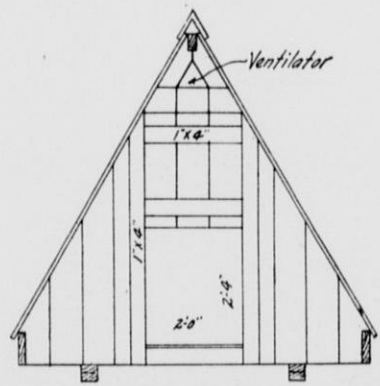


FRAMING DETAIL

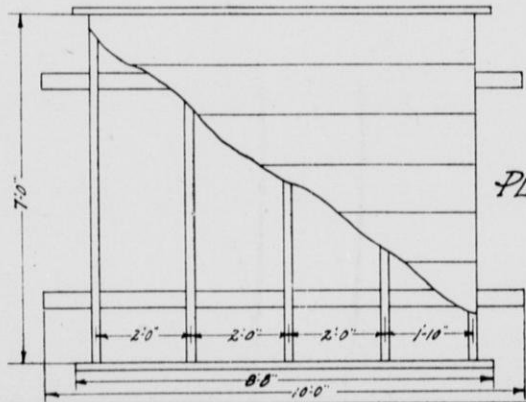
"A" COT TYPE HOG HOUSE
DEPT. OF AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. S-3-21



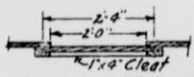
SIDE VIEW



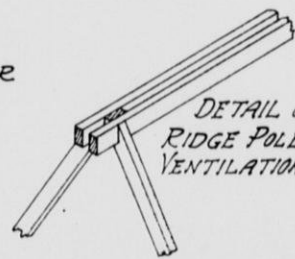
END VIEW

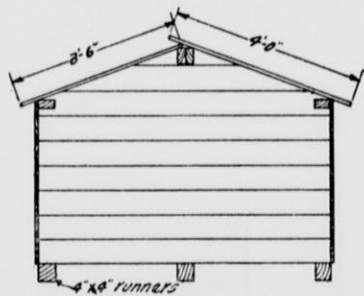


PLAN

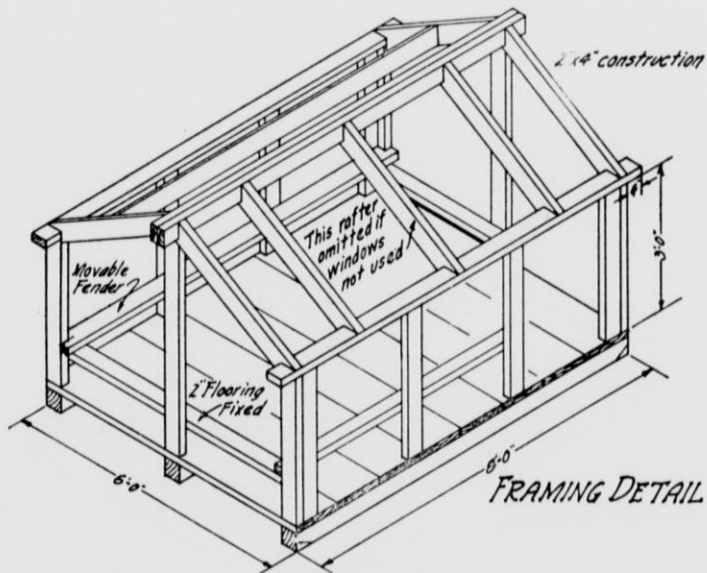


SECTION THRU DOOR



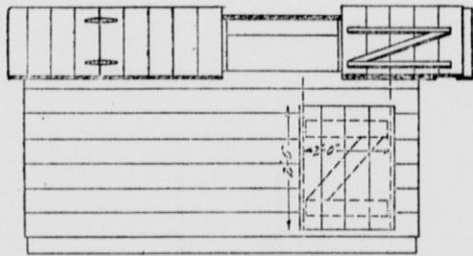


END VIEW

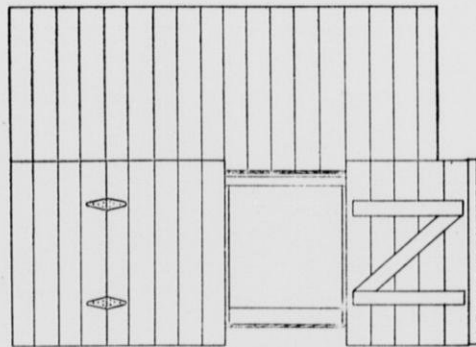


FRAMING DETAIL

"IOWA" TYPE INDIVIDUAL HOG COT	
DEPT. OF AGRICULTURE	AL ENGINEERING
UNIVERSITY	WISCONSIN
PLAN.	5-4-21



SIDE VIEW



TOP VIEW

PLAN NO. 5-4-22

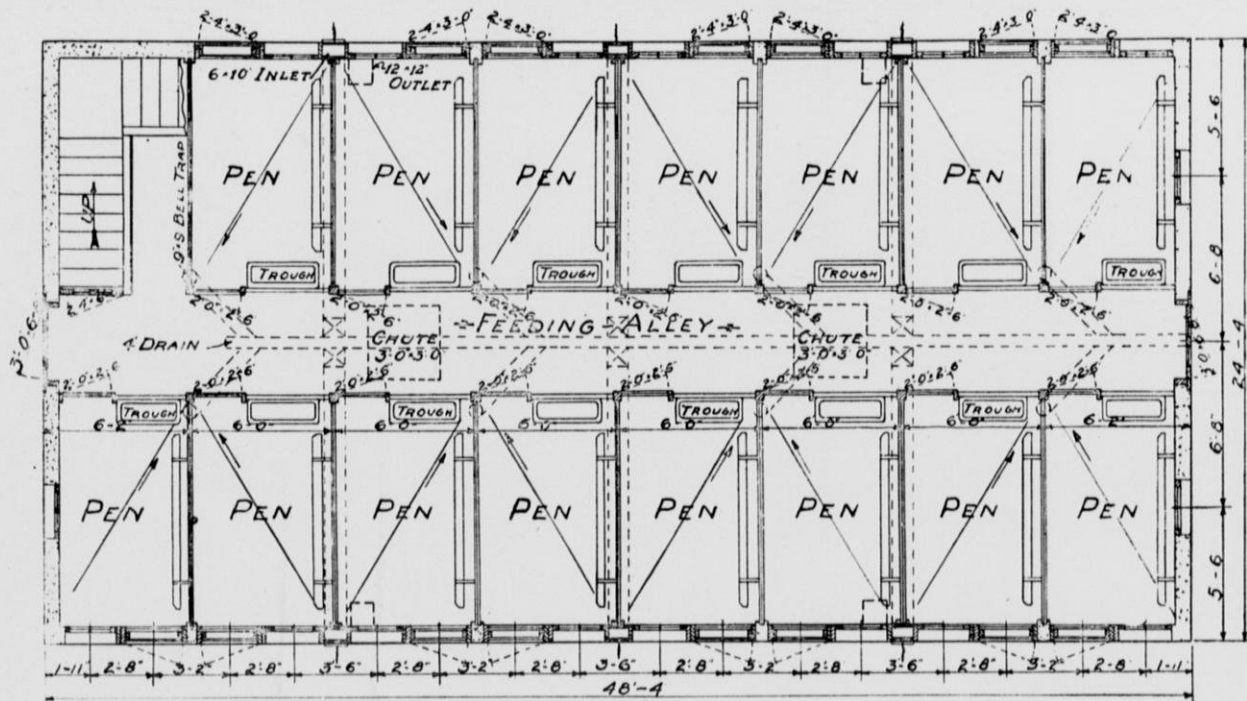


SIDE ELEVATION



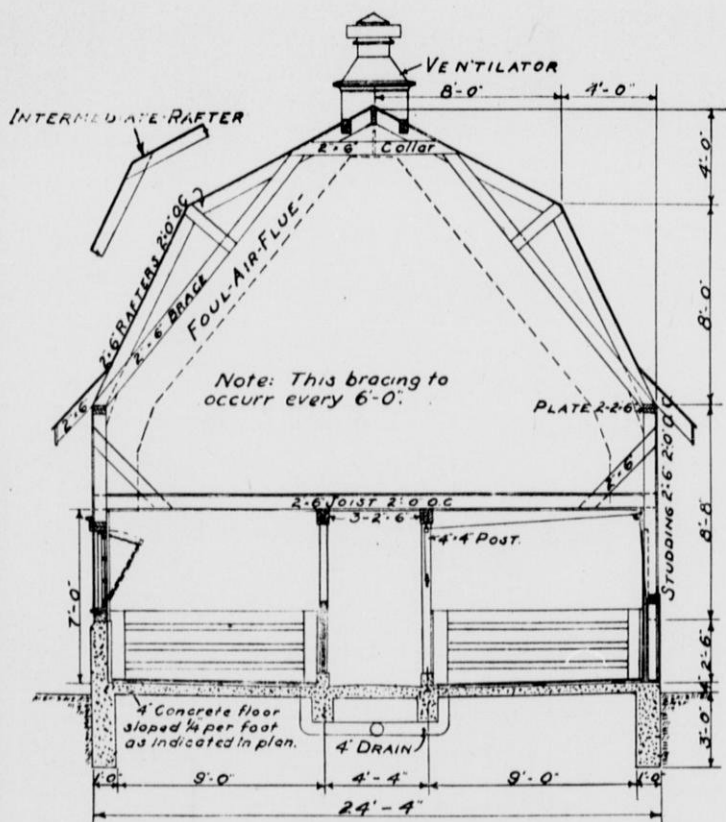
END ELEVATION

<i>GAMBREL ROOF HOG HOUSE</i>
<i>DEPT. AGRICULTURAL ENGINEERING</i>
<i>UNIVERSITY OF WISCONSIN</i>
<i>PLAN No. S-5-41</i>

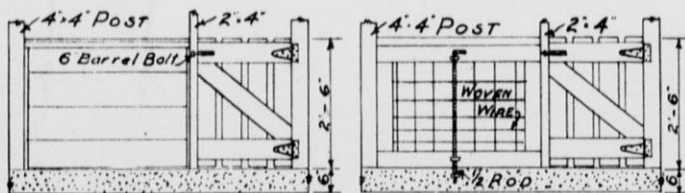


FLOOR PLAN

PLAN No. S-5-42



- CROSS-SECTION -

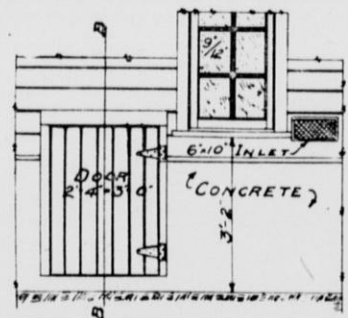


- ELEVATION OF PEN -
(FRONT VIEW)

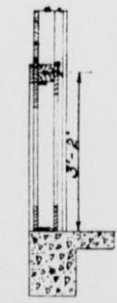
- ELEVATION OF PEN -
(FRONT VIEW)

- ALTERNATE DESIGN -

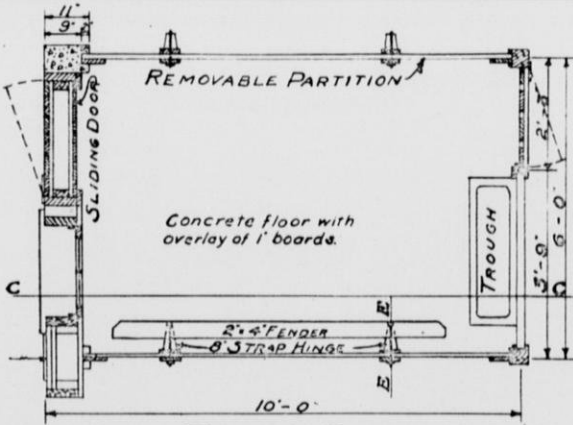
PLAN No. S-5-43



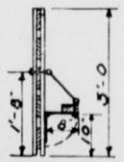
-PART SIDE-ELEVATION-



SECTION ON B-B



-TYPICAL PEN-



SECTION ON E-E.

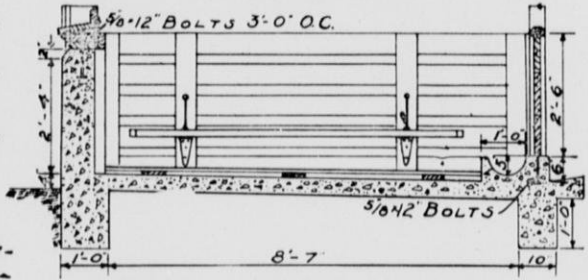
Note. Fender may be unhooked and dropped.



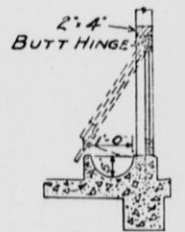
-WINDOW ELEVATION AND SECTION - (Interior View)



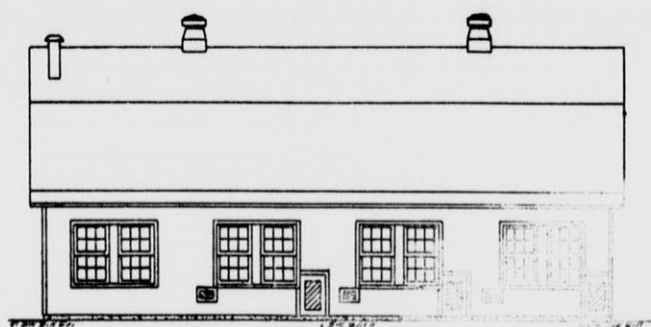
-ELEVATION OF SLIDING DOOR - (Interior View)



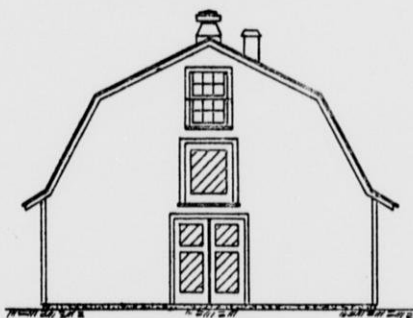
-SECTION THRU PEN ON C-C-



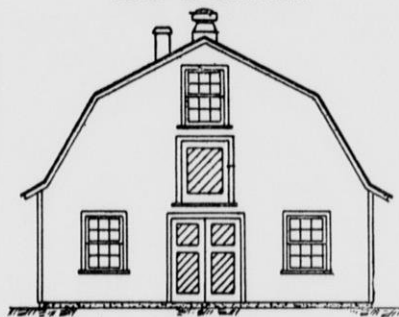
-SECTION-



SIDE ELEVATION

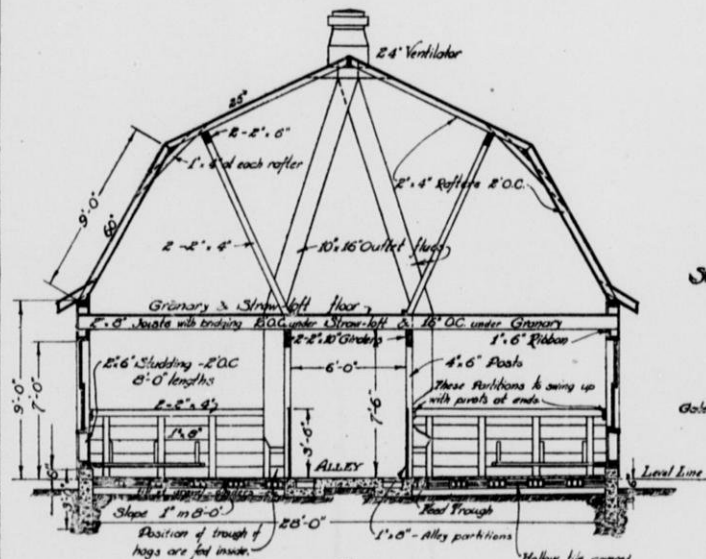


END ELEVATION

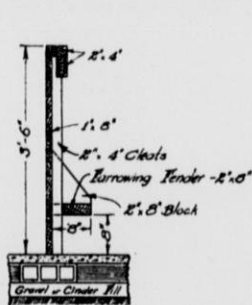


END ELEVATION

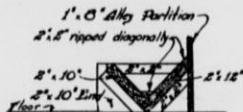
<i>GAMBREL ROOF HOG HOUSE</i>
<i>DEPT AGRICULTURAL ENGINEERING</i>
<i>UNIVERSITY OF WISCONSIN</i>
<i>PLAN No S-631</i>



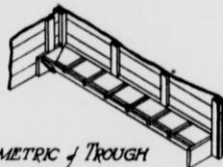
CROSS SECTION
Scale $\frac{1}{4}$ " = 1'-0"



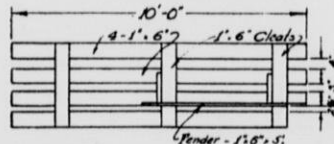
SECTION
of
SWINGING PARTITION
Scale $\frac{1}{4}$ " = 1'-0"



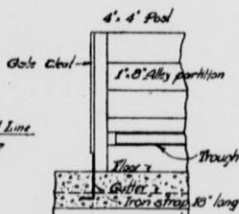
SECTION thru **V-SHAPED TROUGH**
Which may be used instead of built in Concrete trough.



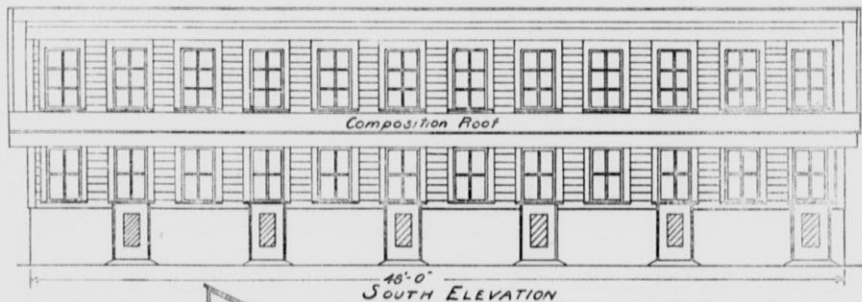
ISOMETRIC of TROUGH



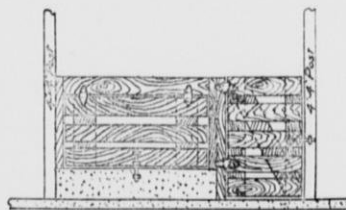
REMOVABLE PARTITION
To be used in each Pen of farrowing time, if crowded for room. (This partition divides each pen into two smaller pens, each 6' x 10'.)
Scale $\frac{3}{8}$ " = 1'-0"



SECTION of **4" x 8" Post**
Insetted Iron Shps to hold base of Post.
Scale $\frac{1}{4}$ " = 1'-0"



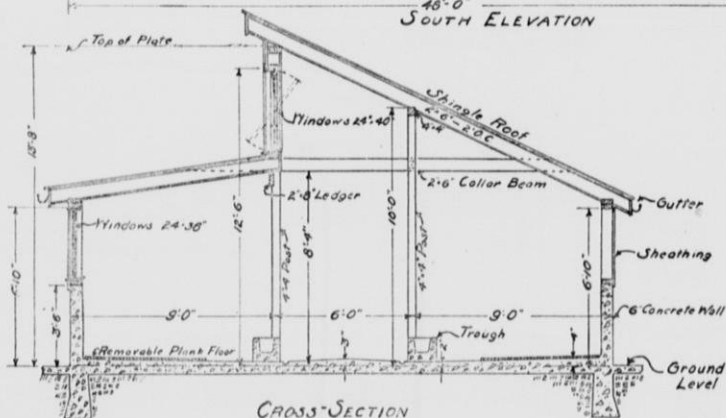
48'-0"
SOUTH ELEVATION



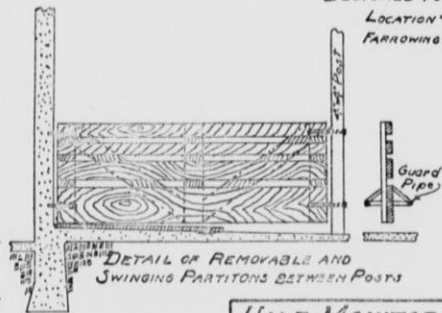
DETAIL OF PASSAGE GATES

DESIGNED FOR -

LOCATION - 42° N LATITUDE
FARROWING TIME - MARCH 1st

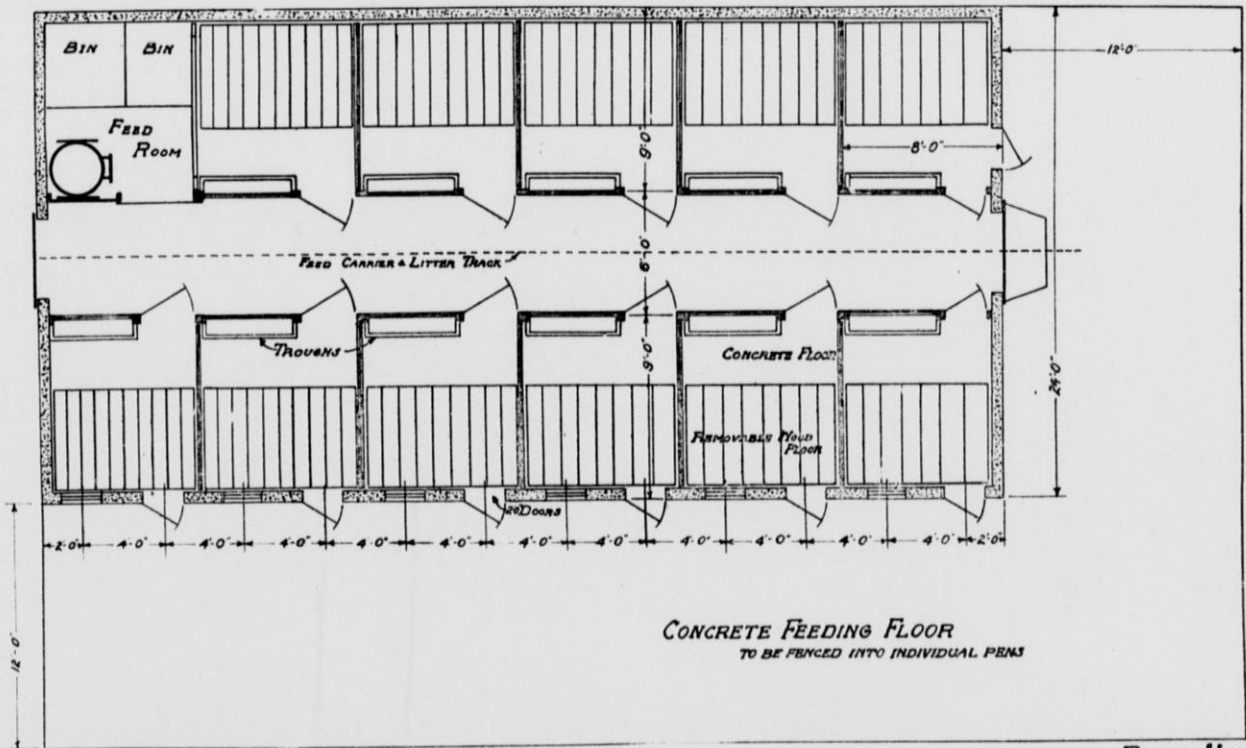


CROSS-SECTION



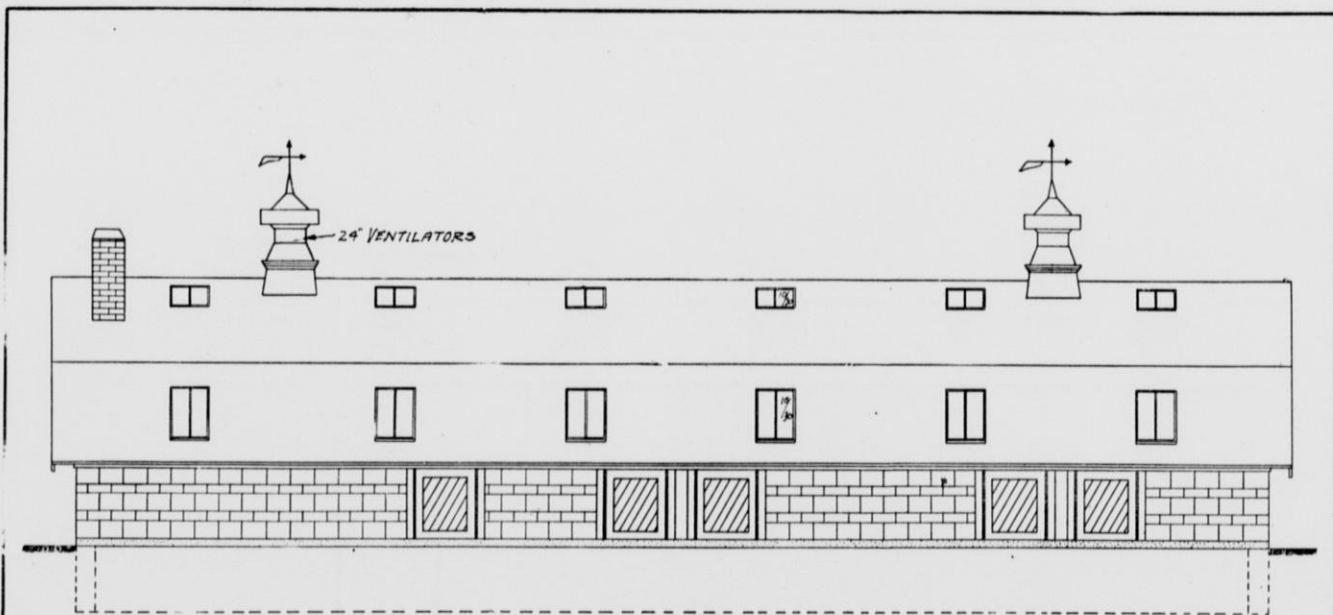
DETAIL OF REMOVABLE AND SWINGING PARTITIONS BETWEEN POSTS

HALF-MONITOR HOG HOUSE
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO. S-7-21



CONCRETE FEEDING FLOOR
 TO BE FENCED INTO INDIVIDUAL PENS

PLAN No. S-7-22



SIDE ELEVATION

Note: WINDOWS MAY BE AS FOLLOWS.

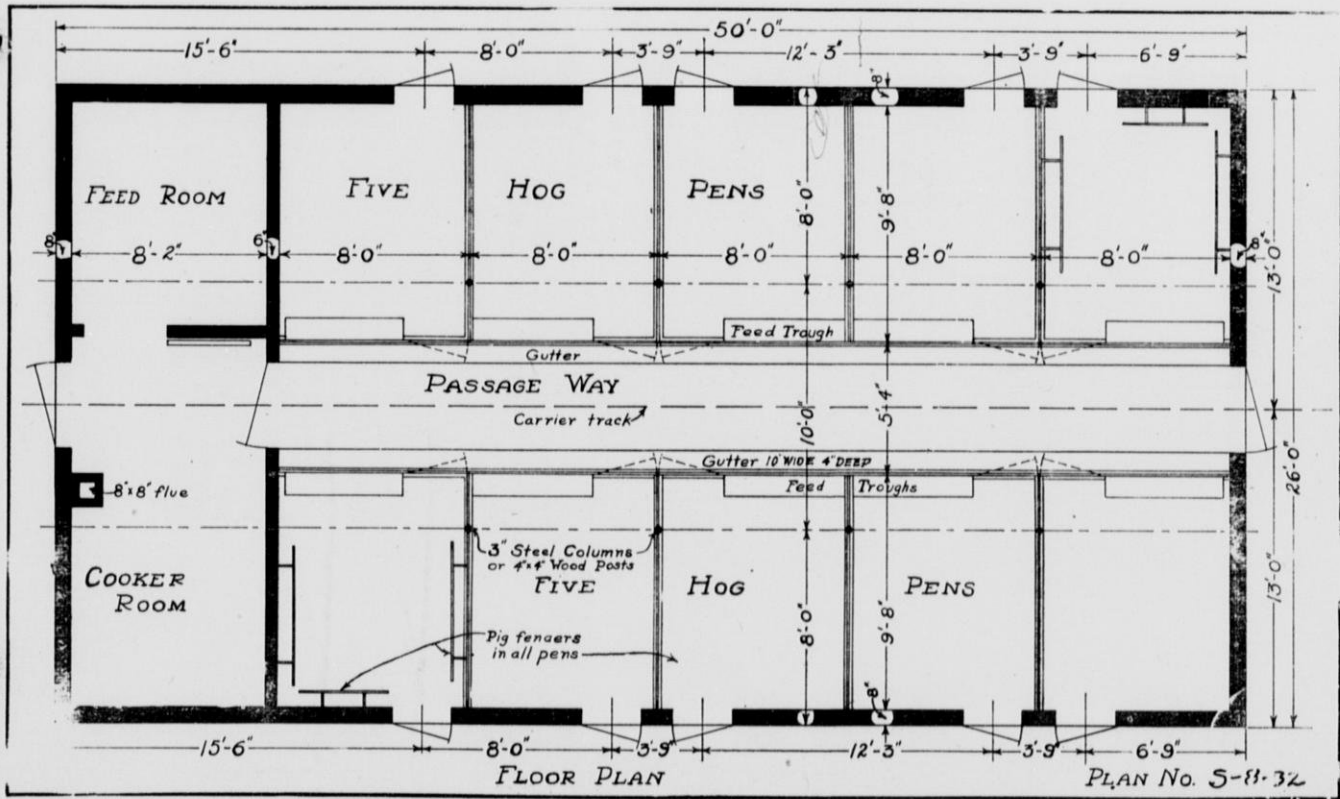
TWO LIGHT 10'x30"

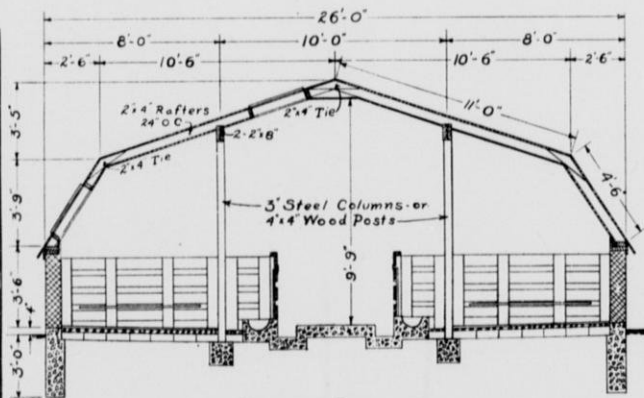
" " 14'x30"

THREE " 14'x30"

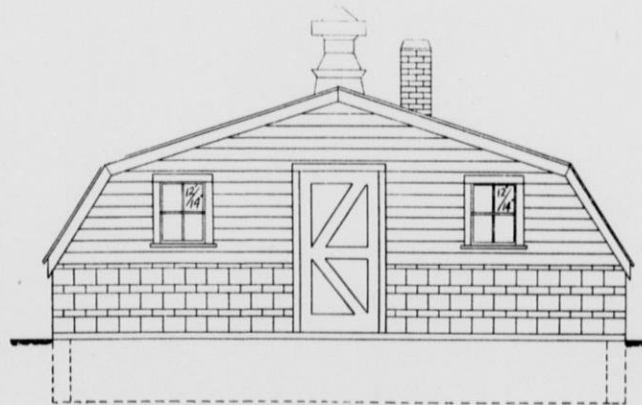
IF HOUSE IS PLACED WITH LONG AXIS NORTH
AND SOUTH, WINDOWS SHOULD BE PLACED ON BOTH SIDES.

HOG HOUSE
DEPT AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. S-8-31

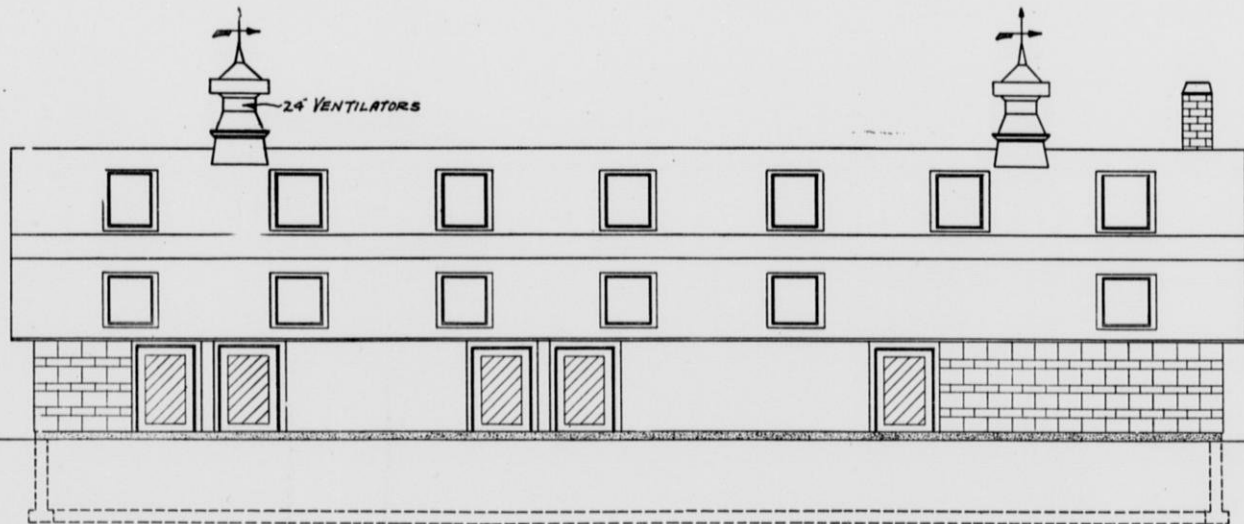




CROSS SECTION

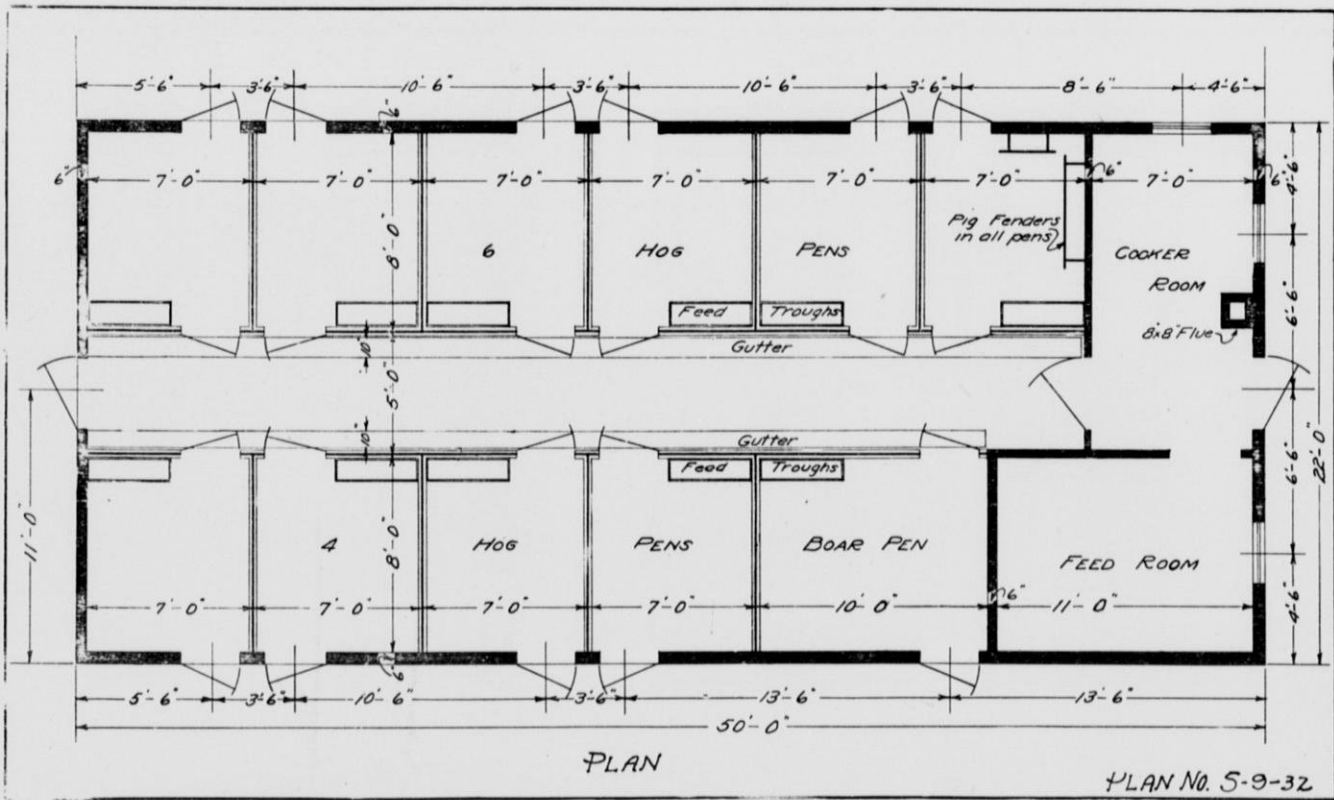


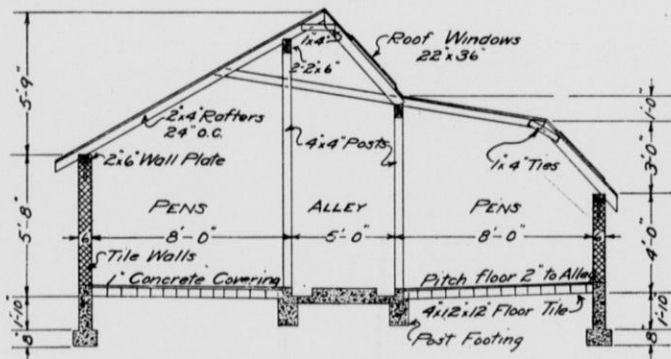
END ELEVATION



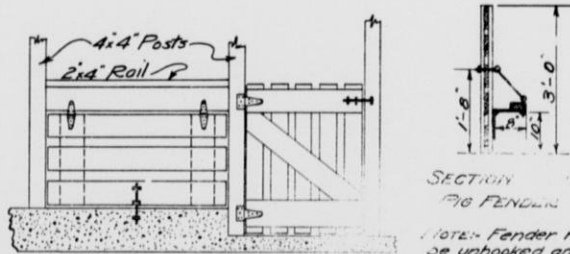
SIDE ELEVATION

<i>HOG HOUSE</i>
<i>DEPT. AGRICULTURAL ENGINEERING</i>
<i>UNIVERSITY OF WISCONSIN</i>
<i>PLAN No. S-9-31</i>





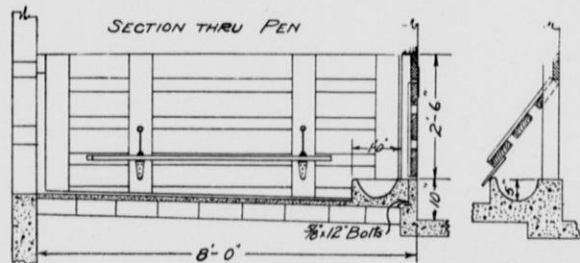
CROSS SECTION



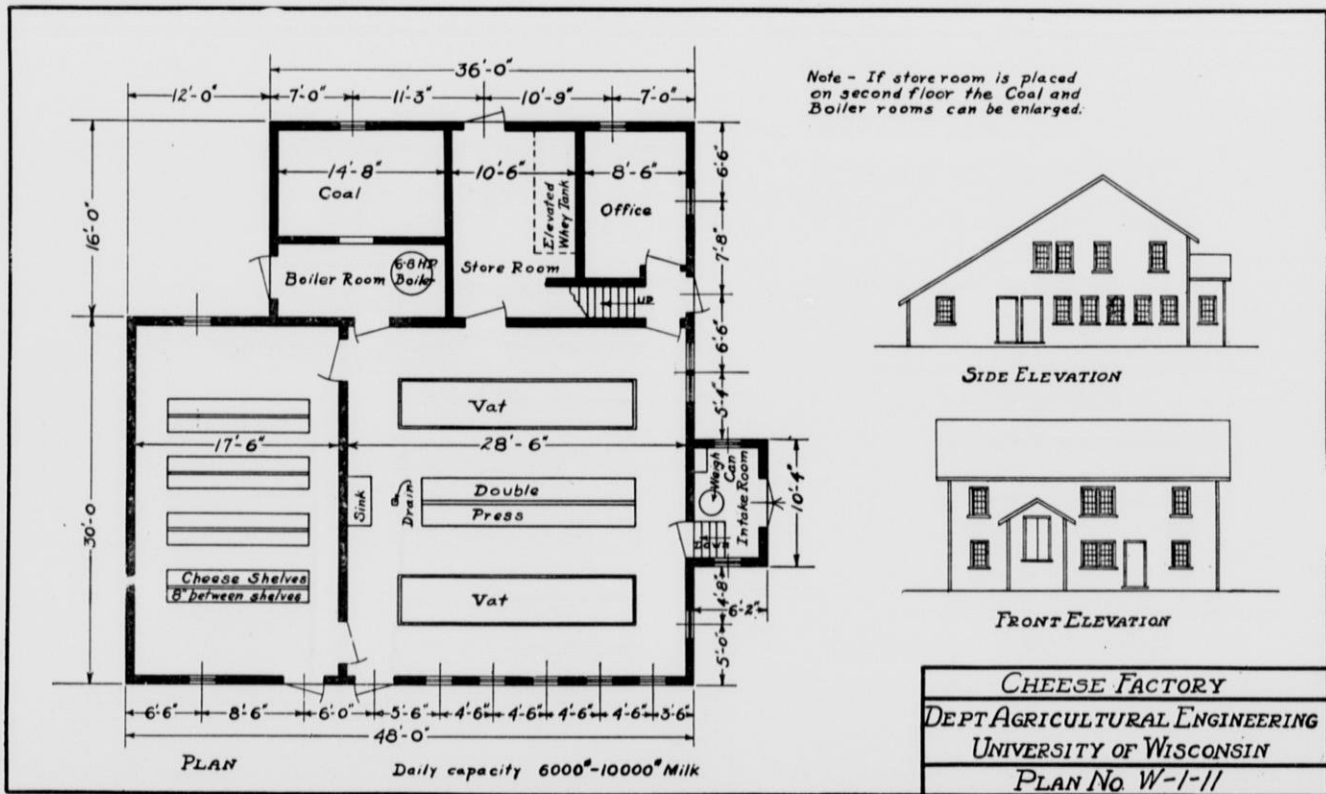
FRONT ELEVATION OF PEN

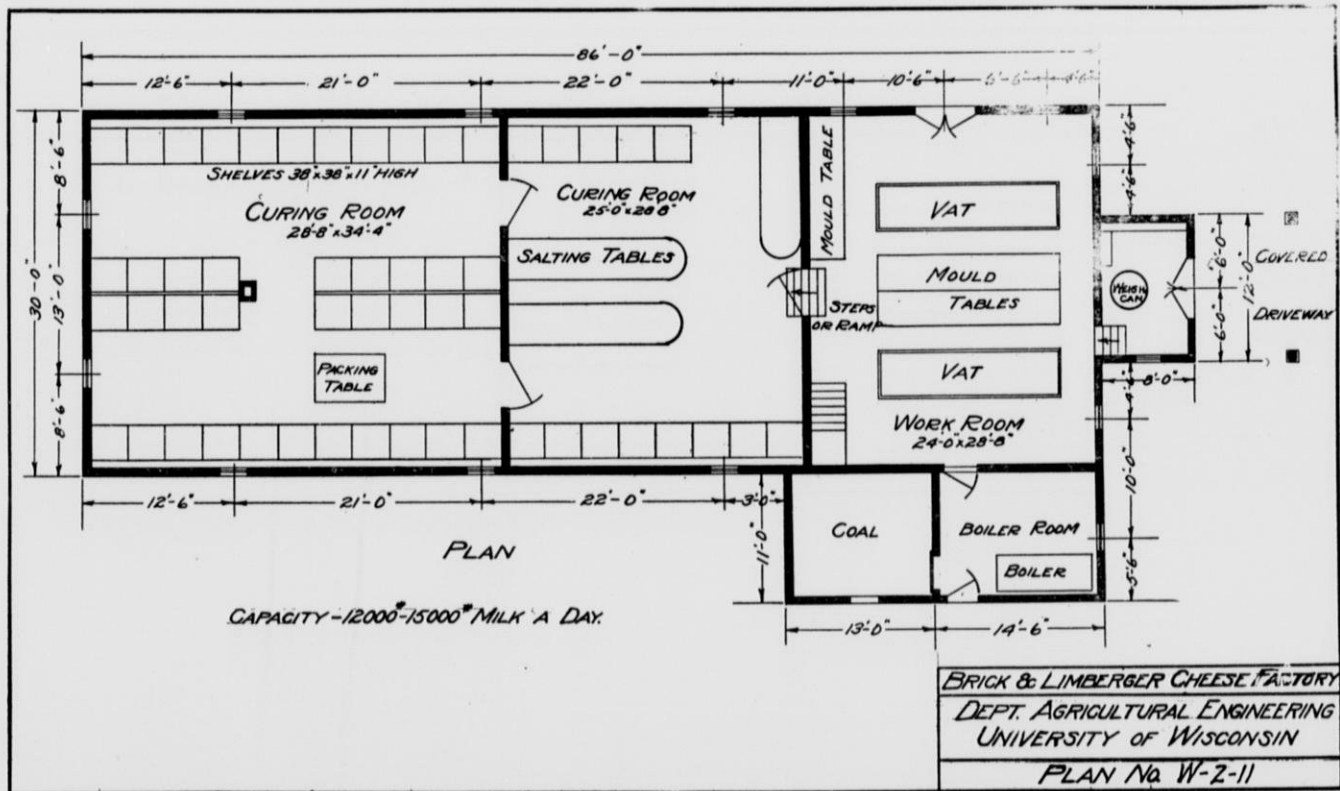
SECTION THRU
Pig FENDER

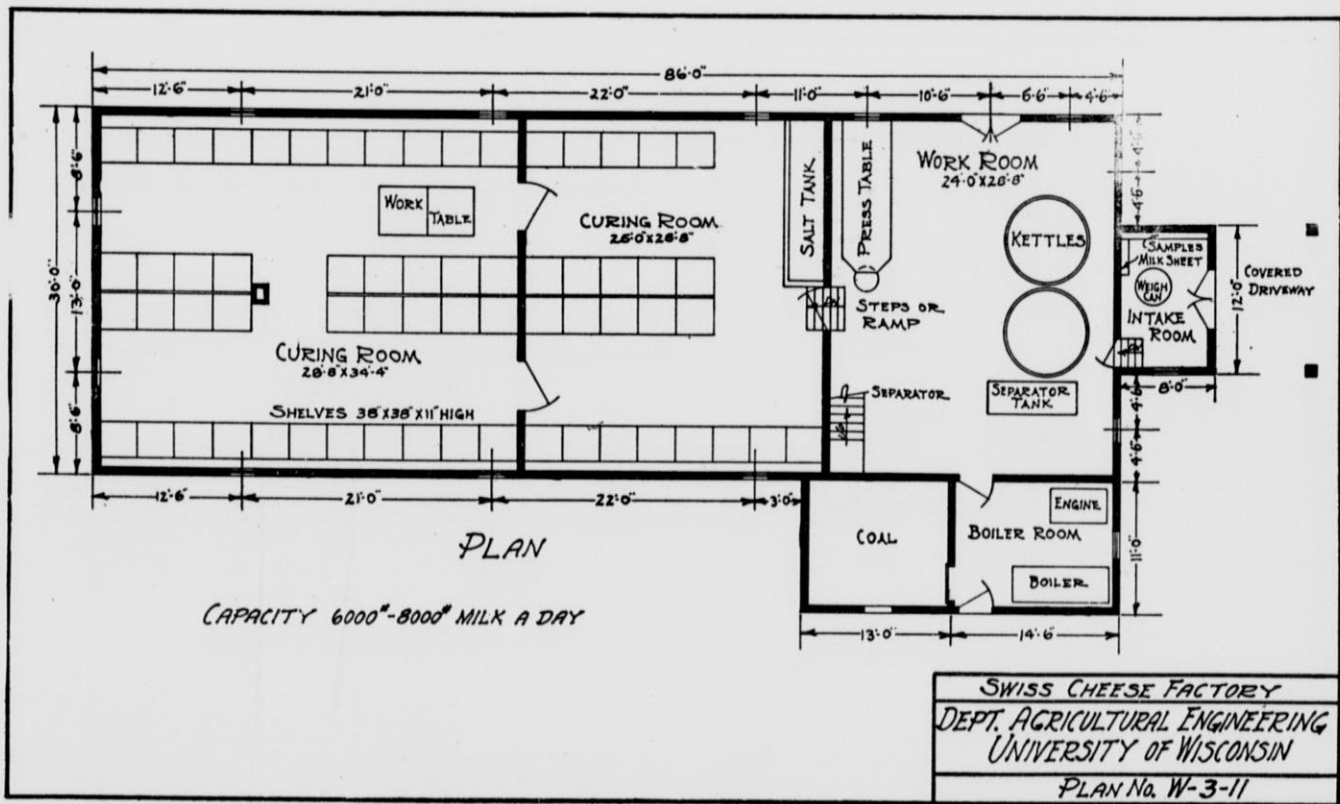
NOTE: Fender may
be unhooked and
dropped.

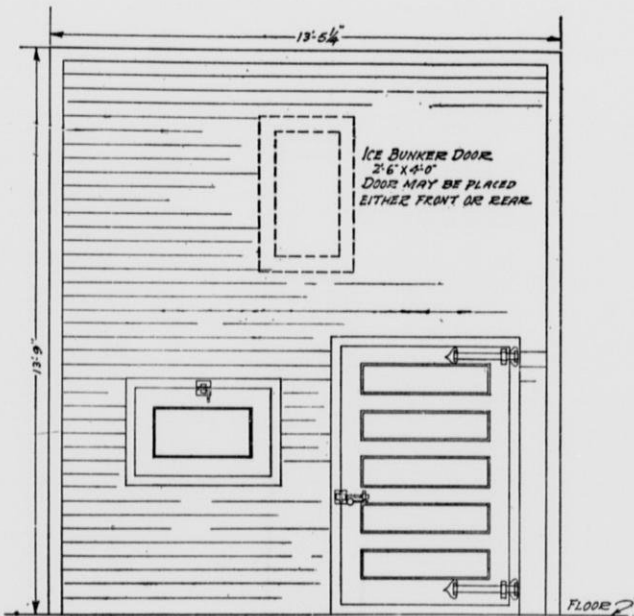


PLAN No. S-9-33

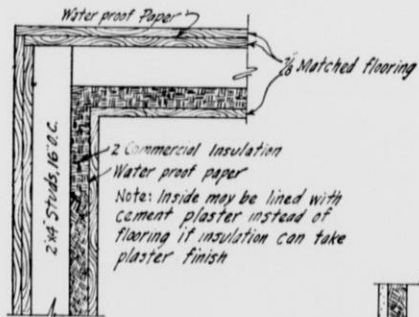






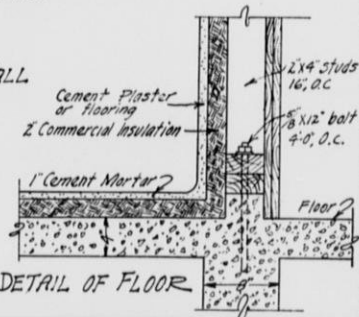


ELEVATION



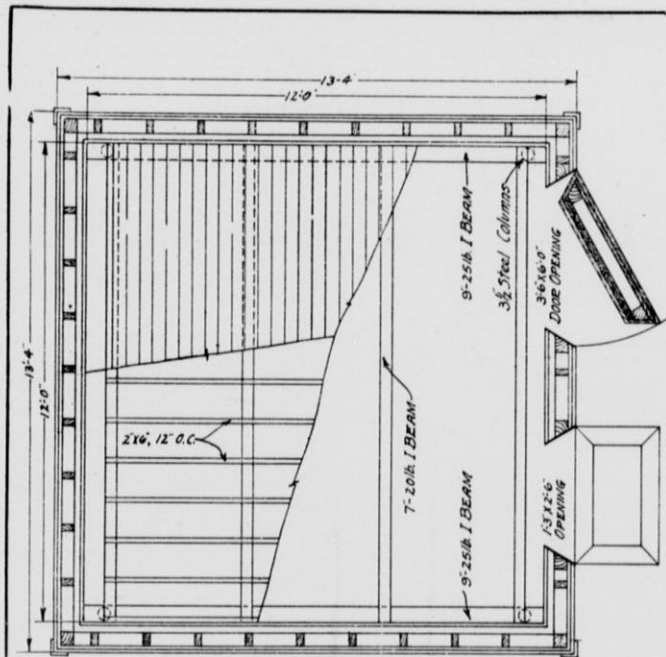
DETAIL OF WALL

Note: Inside may be lined with cement plaster instead of flooring if insulation can take plaster finish

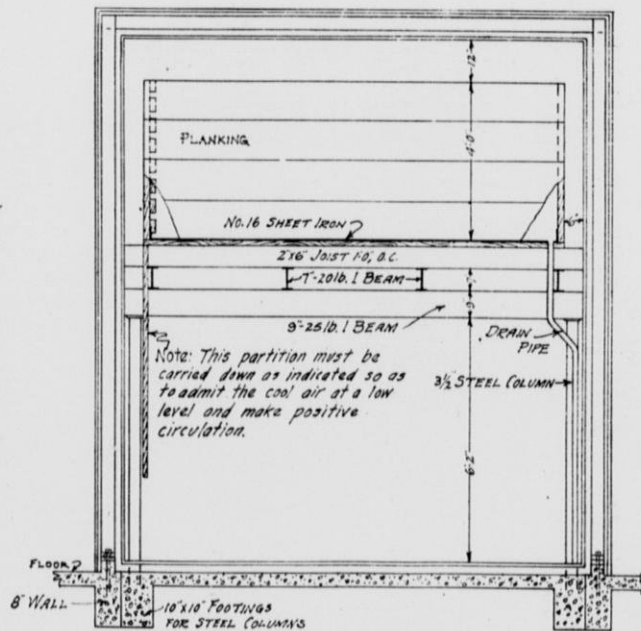


DETAIL OF FLOOR

CREAMERY REFRIGERATOR
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO. W-4-21

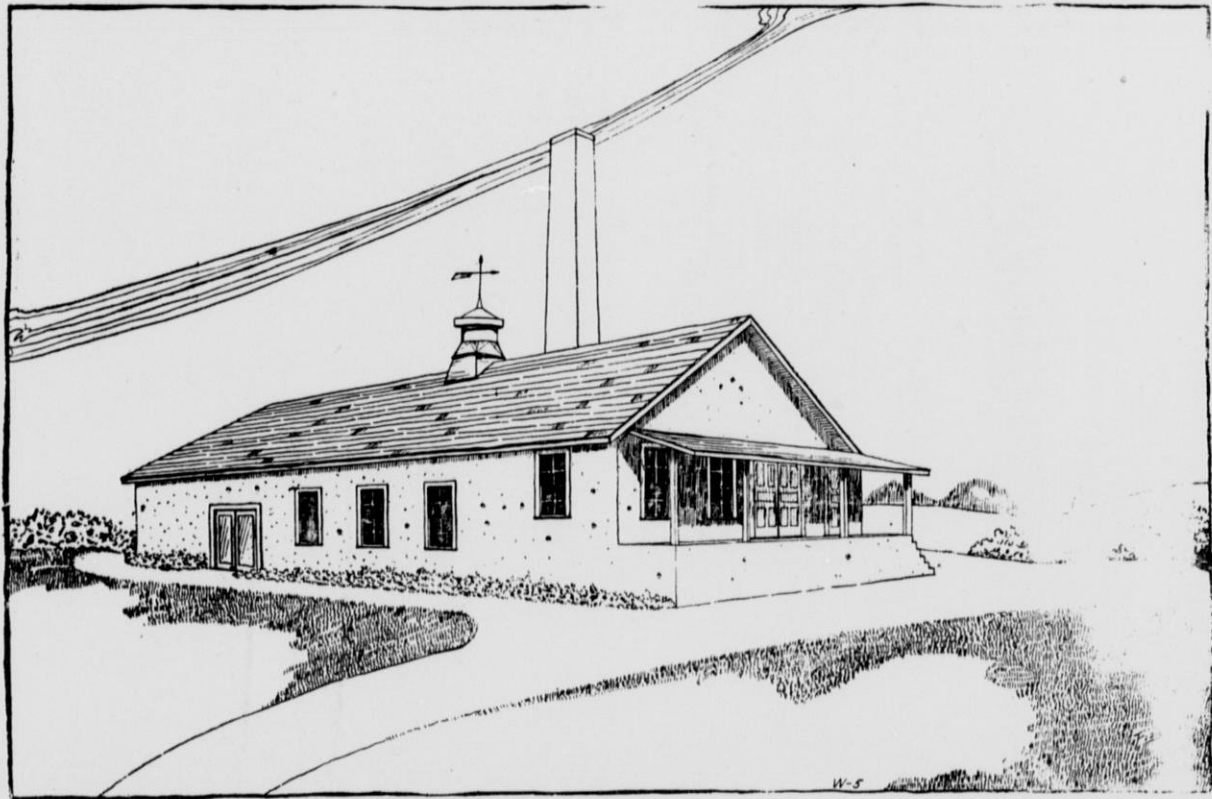


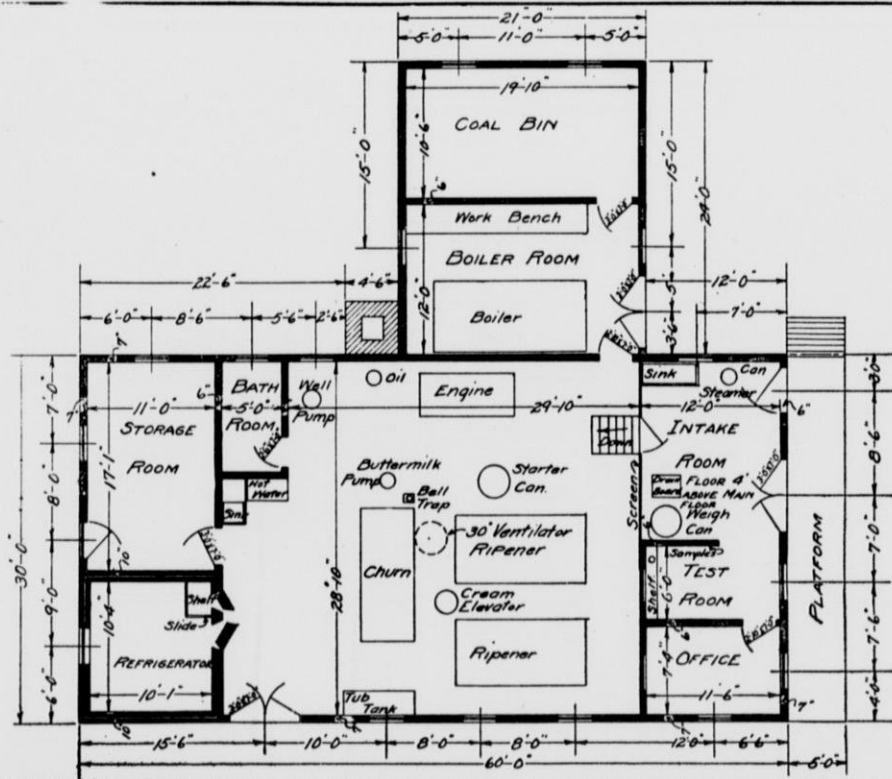
PLAN



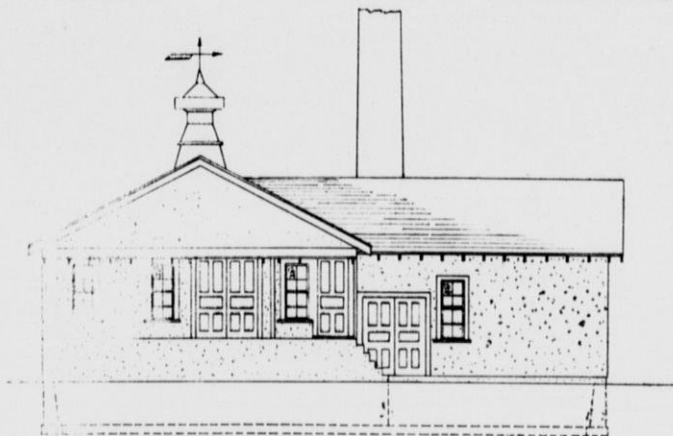
CROSS SECTION

PLAN No. W-4-22

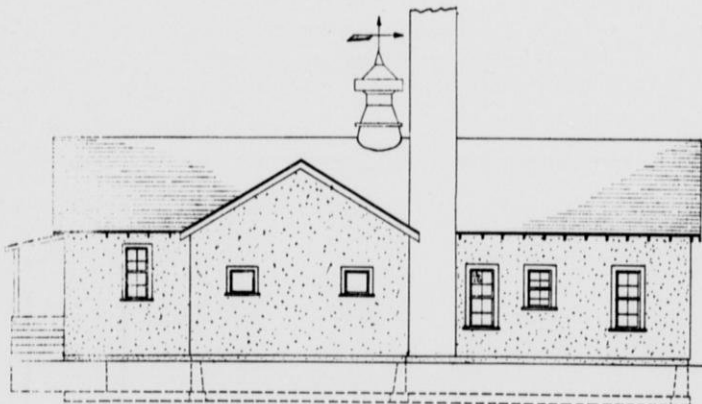




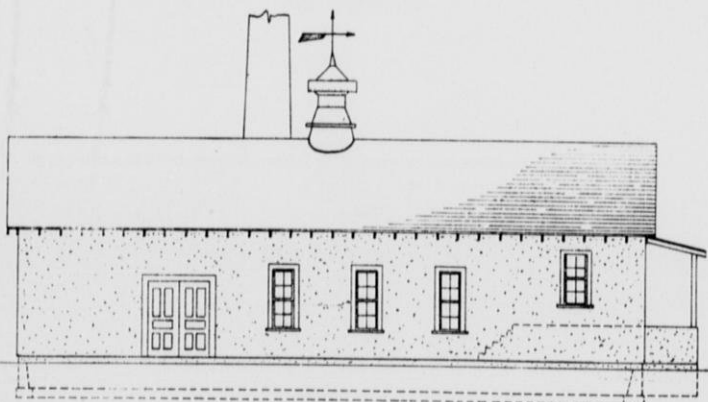
CREAMERY
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. W-5-31.



FRONT ELEVATION



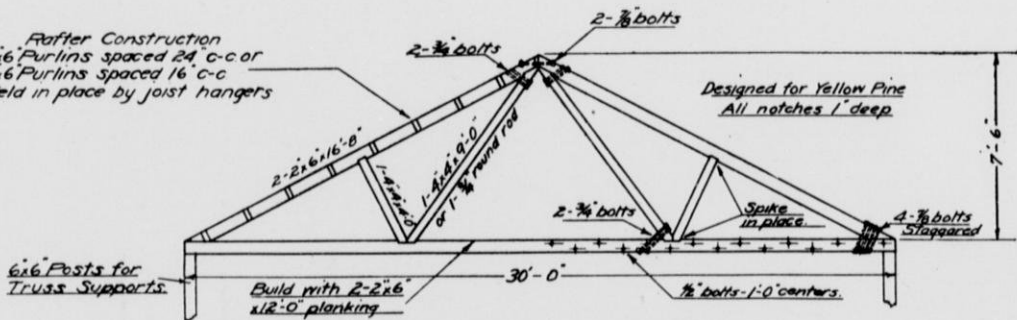
SIDE ELEVATION



SIDE ELEVATION

PLAN No. W-5-32

Rafter Construction
 3x6 Purlins spaced 24" c-c or
 2x6 Purlins spaced 16" c-c
 Held in place by joist hangers



6x6 Posts for
 Truss Supports.

Build with 2-2x6
 x12'-0" planking

30'-0"

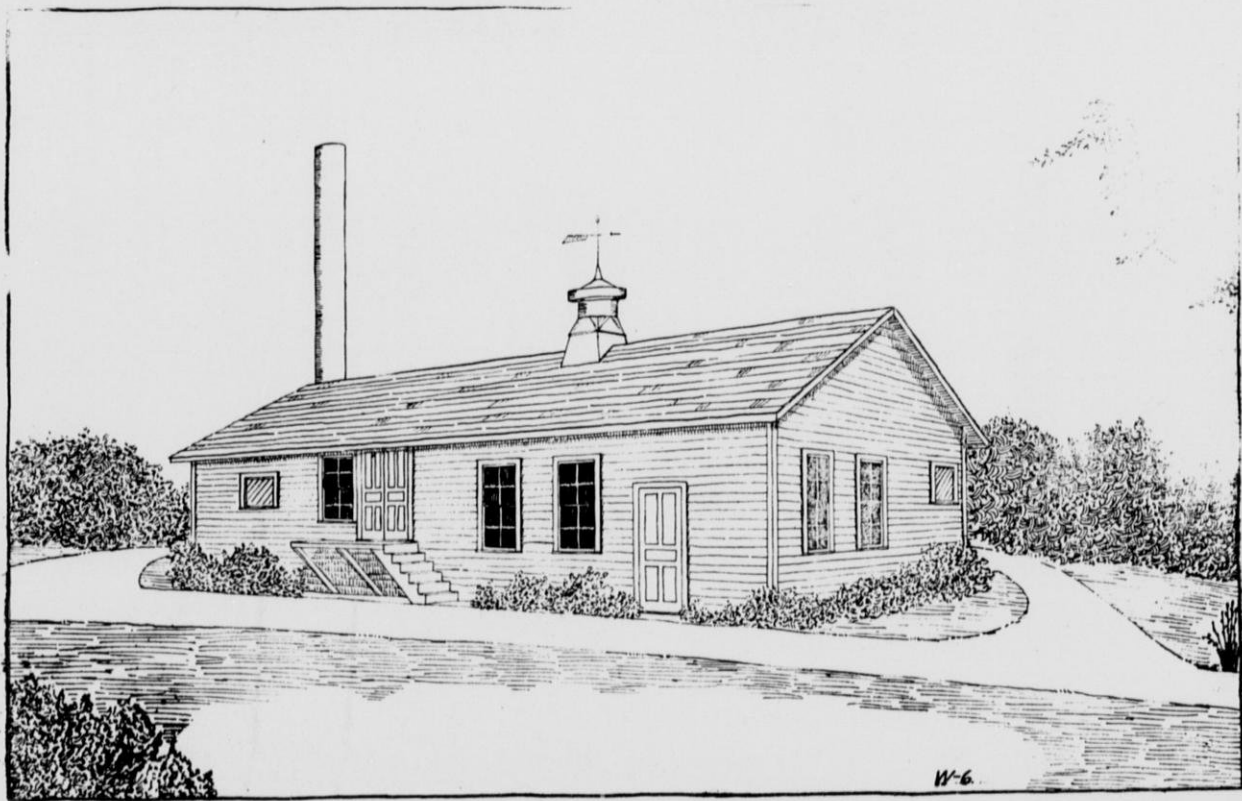
1/2" bolts-1'-0" centers.

2 TRUSSES-15'-0" CENTERS.

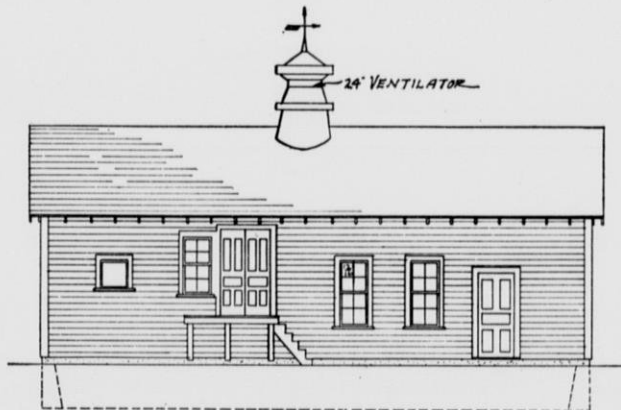
Designed for Yellow Pine
 All notches 1" deep

7'-6"

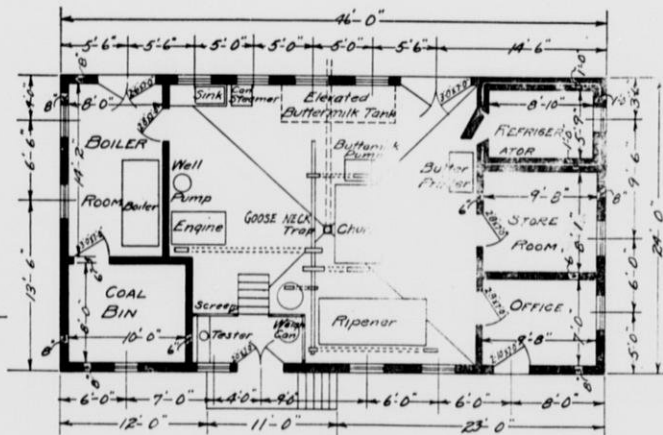
PLAN No. W-5-33.



W-6

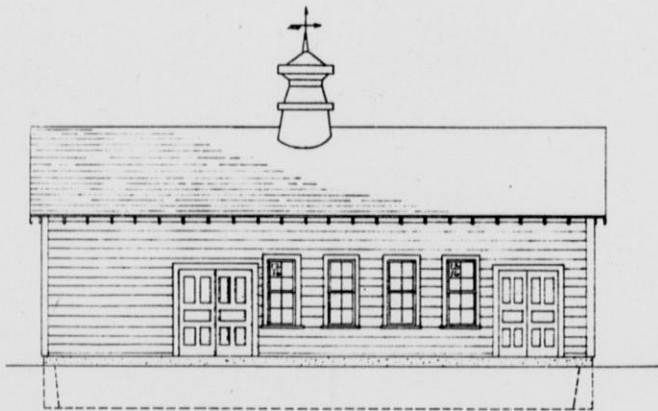


SIDE ELEVATION

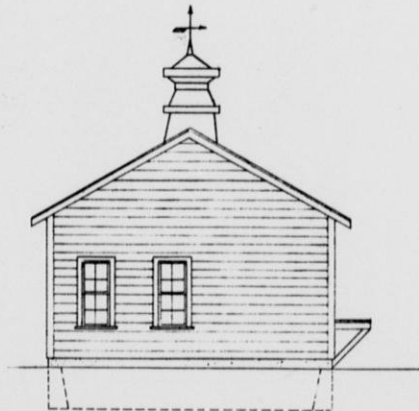


PLAN

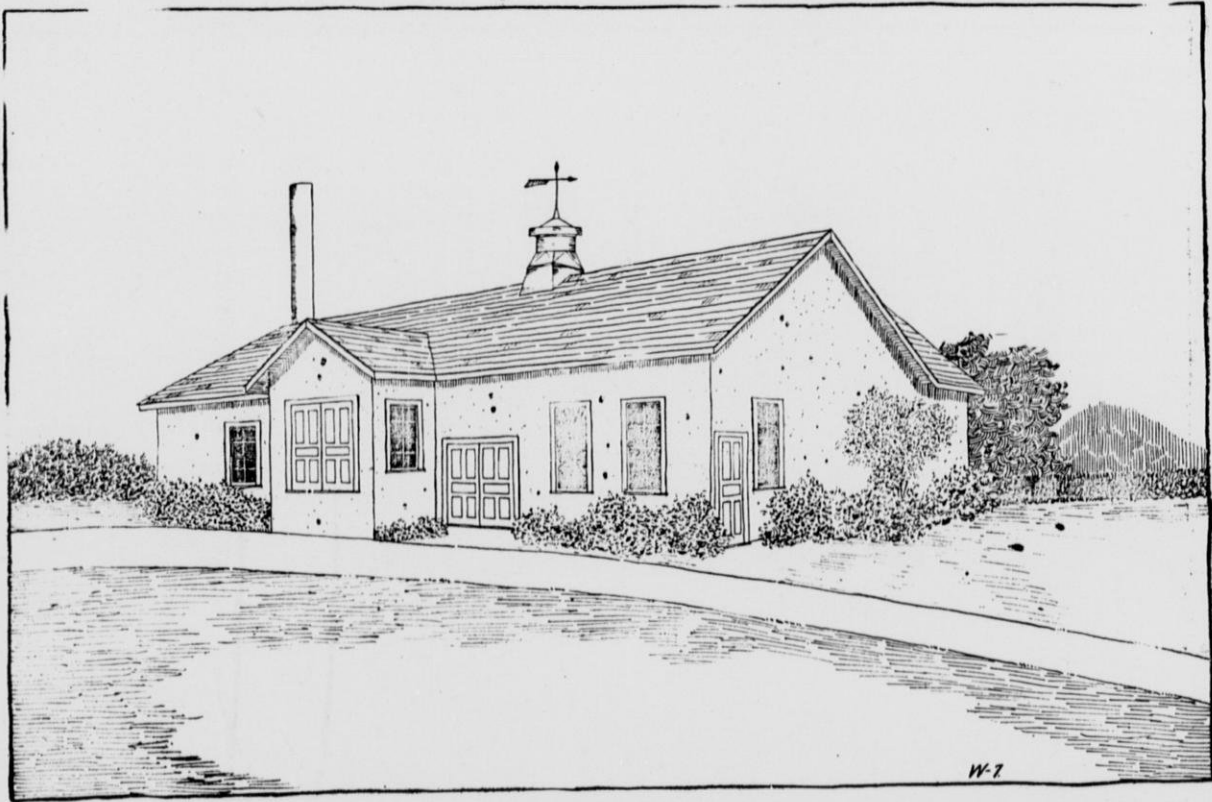
CREAMERY
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. W-6-21



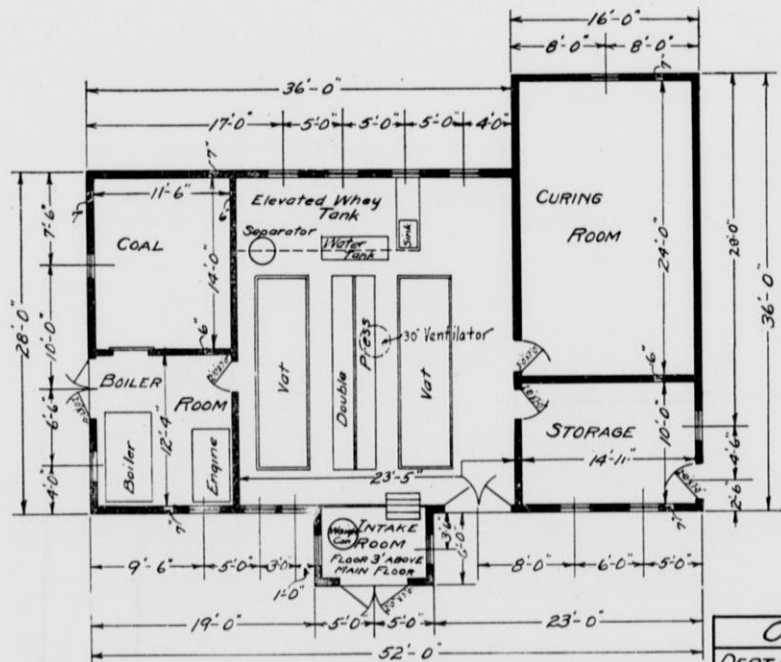
REAR ELEVATION



END ELEVATION

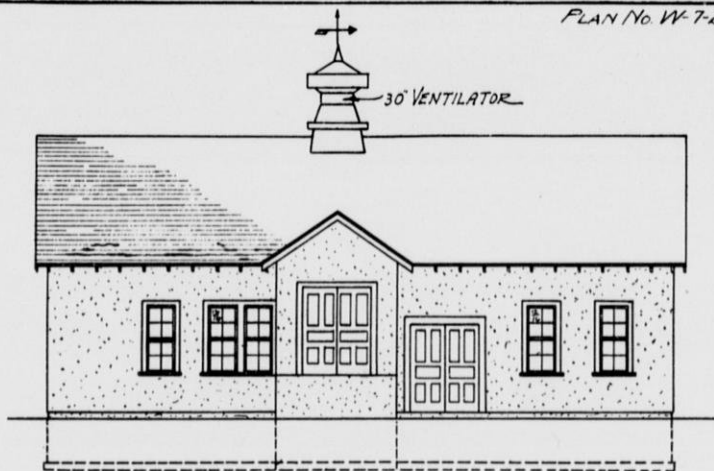


W-7

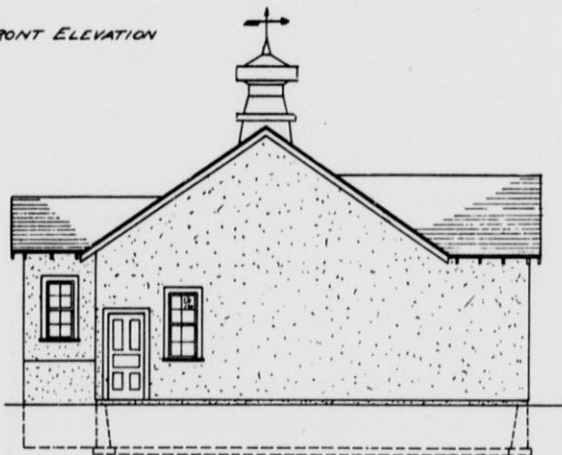


CAPACITY ABOUT 12000 lbs. MILK DAILY

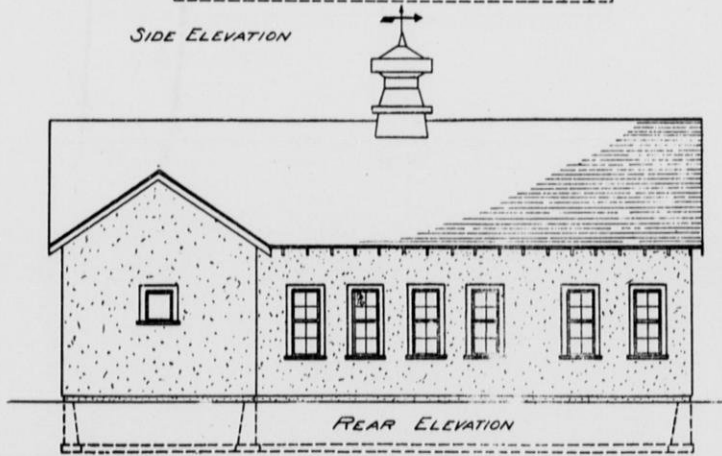
CHEESE FACTORY
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN NO. W-7-21



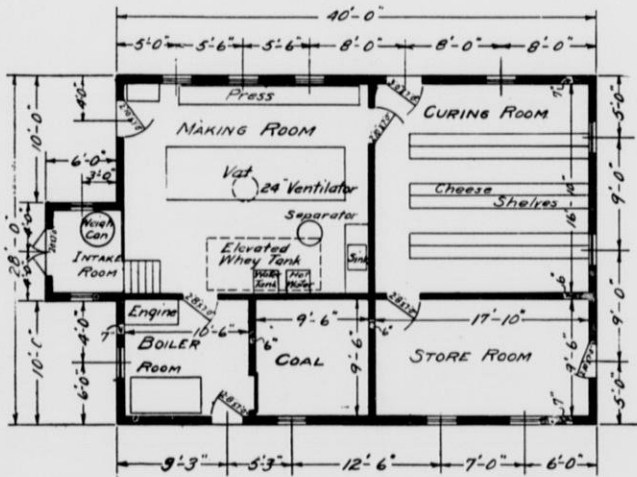
FRONT ELEVATION



SIDE ELEVATION

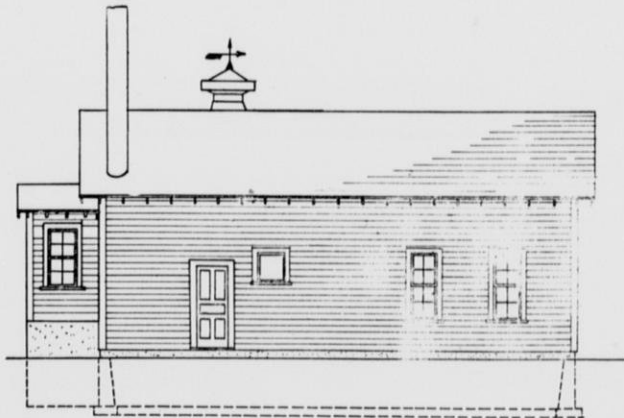


REAR ELEVATION



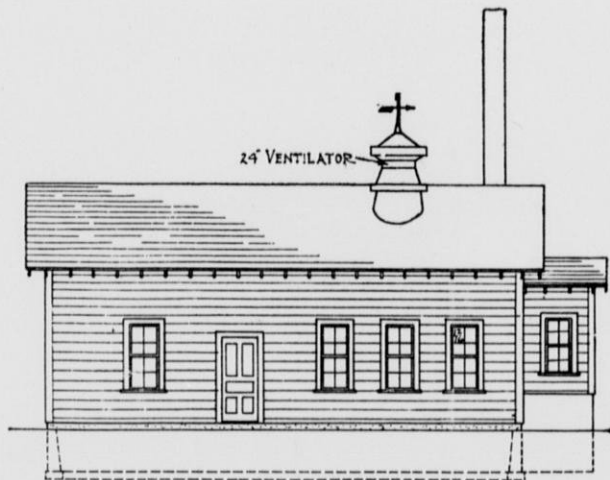
PLAN

CAPACITY ABOUT 6000 LBS. MILK.



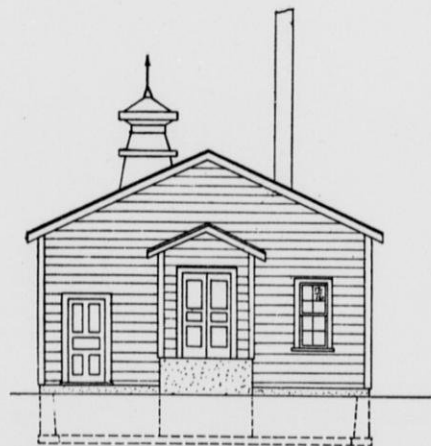
SIDE ELEVATION

CHEESE FACTORY
DEPT. AGRICULTURAL ENGINEERING
UNIVERSITY OF WISCONSIN
PLAN No. VI-8-21.



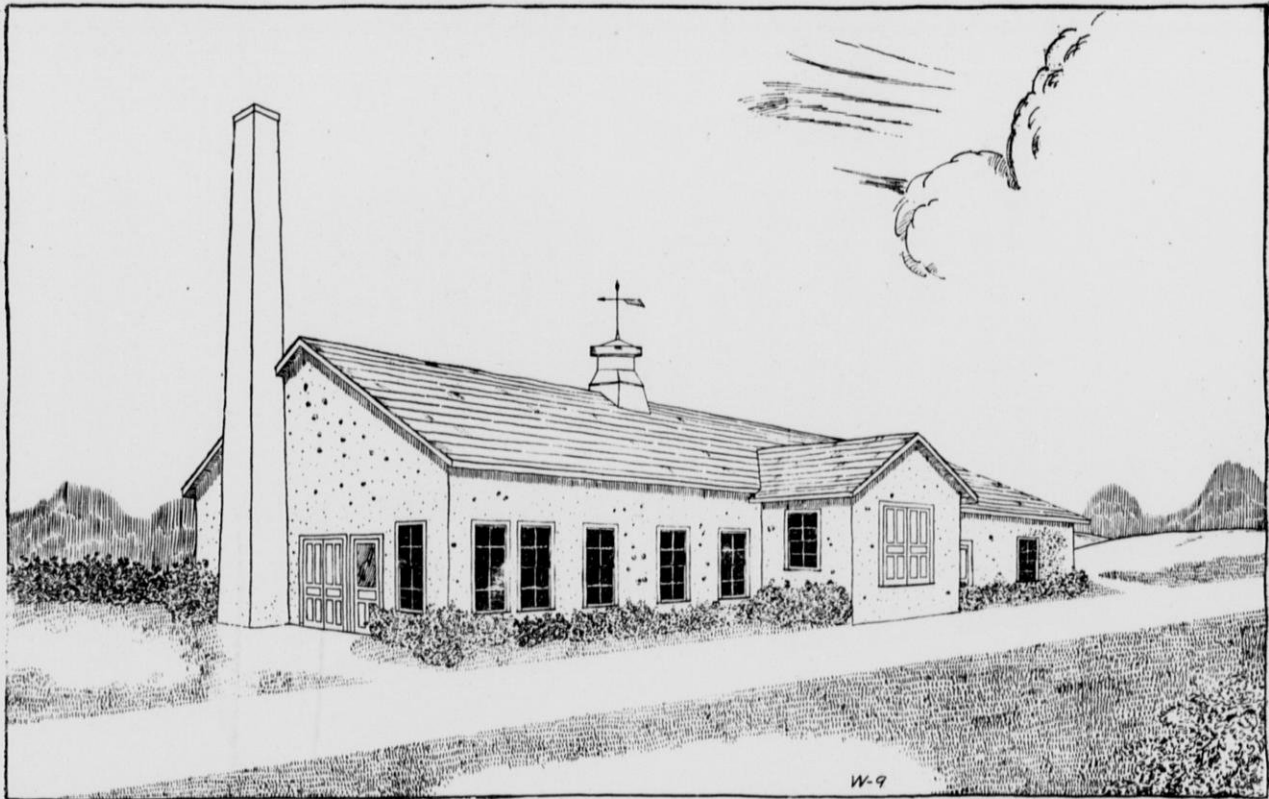
24" VENTILATOR

SIDE ELEVATION

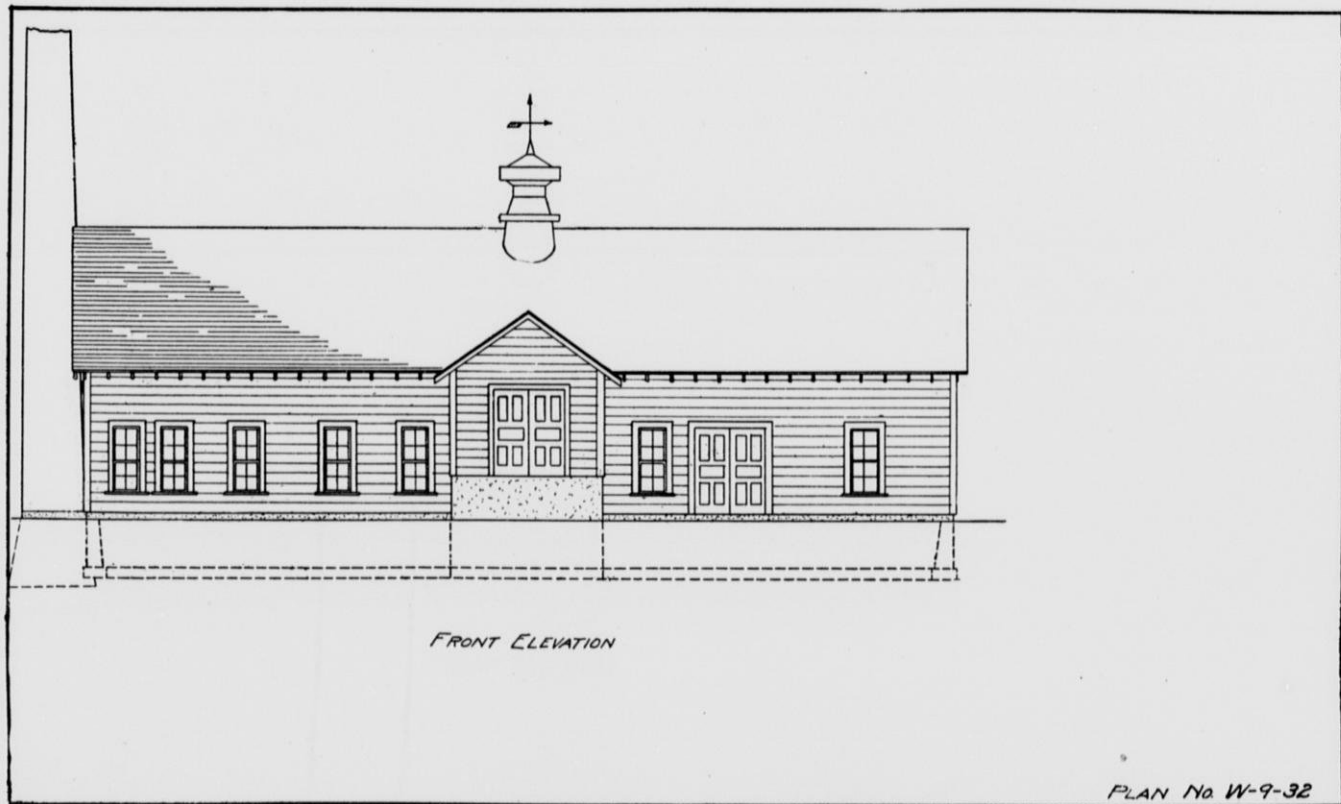


FRONT ELEVATION

PLAN N° W-8-62

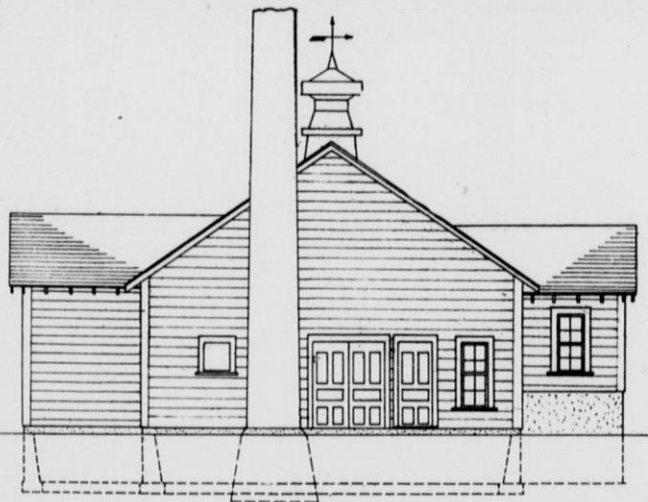


W-9



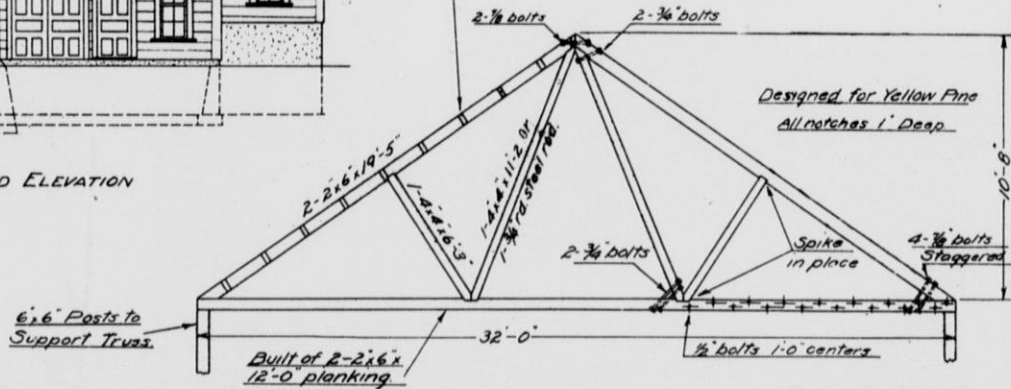
FRONT ELEVATION

PLAN No W-9-32

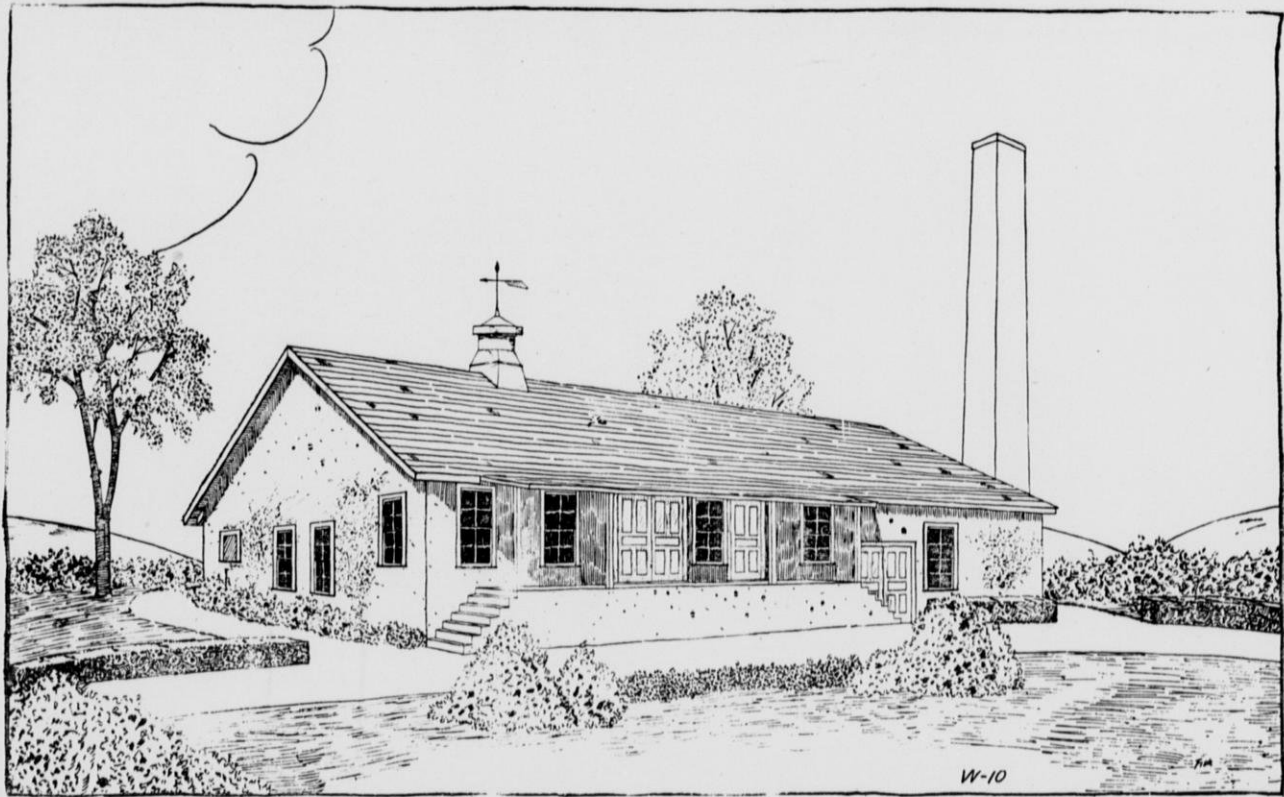


END ELEVATION

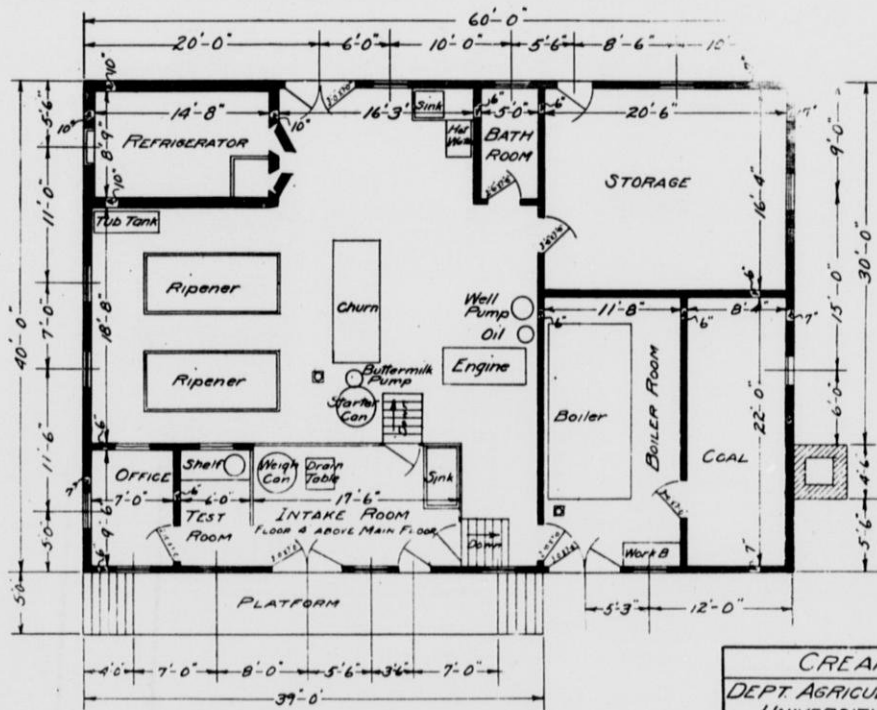
Rafter Construction
 3x6' Purlins spaced 24 c-c or
 2x6' Purlins spaced 16 c-c
 Held in place by joist hangers.



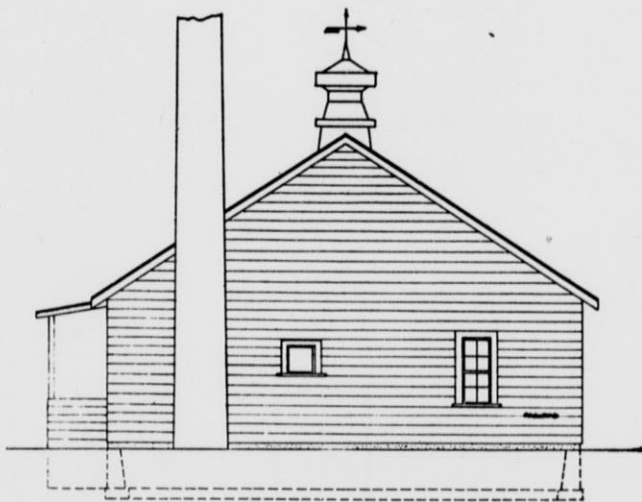
PLAN No W-9-33



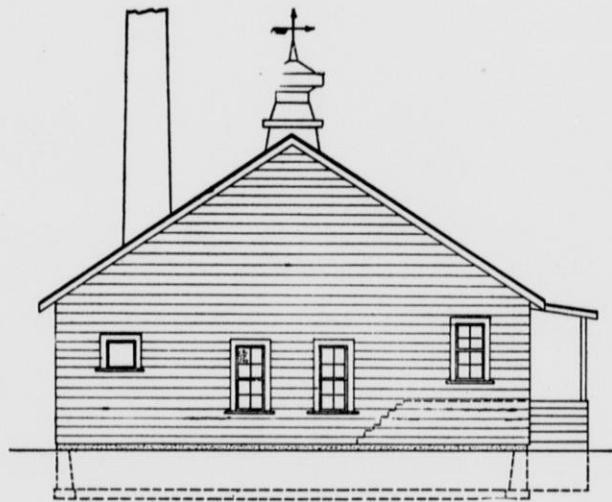
W-10



CREAMERY
 DEPT. AGRICULTURAL ENGINEERING
 UNIVERSITY OF WISCONSIN
 PLAN No. W-10-41

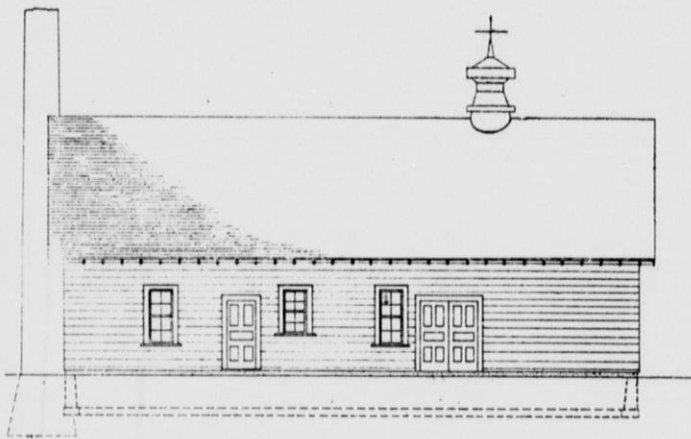
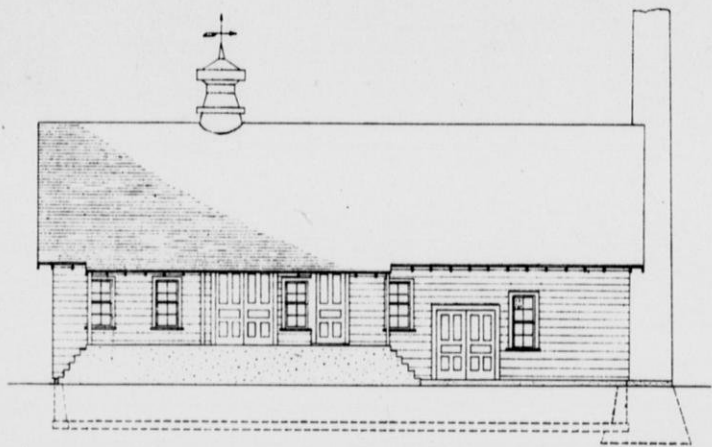


REAR ELEVATION

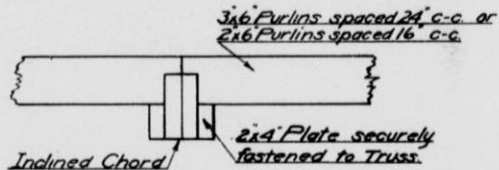


FRONT ELEVATION

PLAN No. W-10-42.



PLAN No W-10-43



Alternative Purlin Construction

