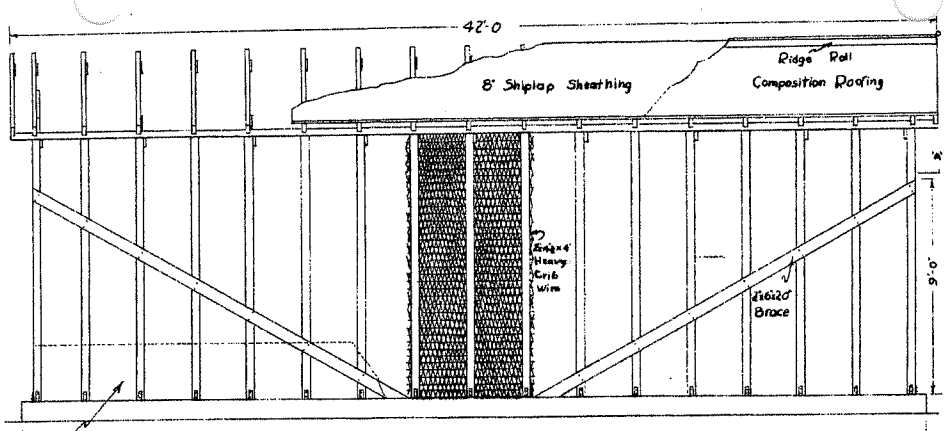
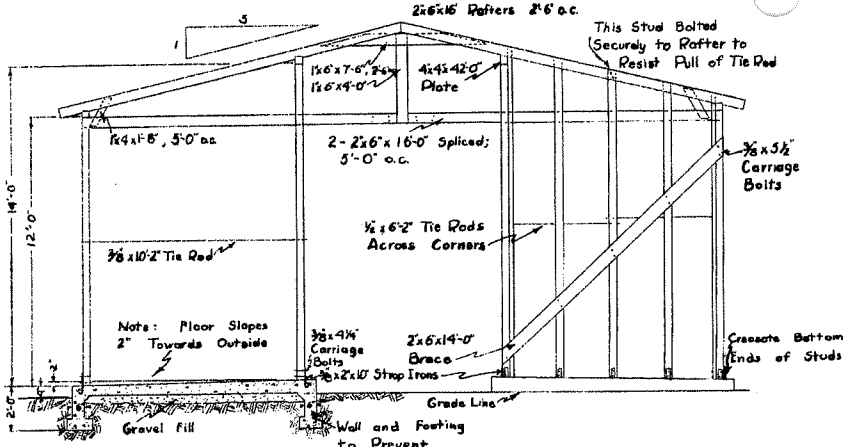


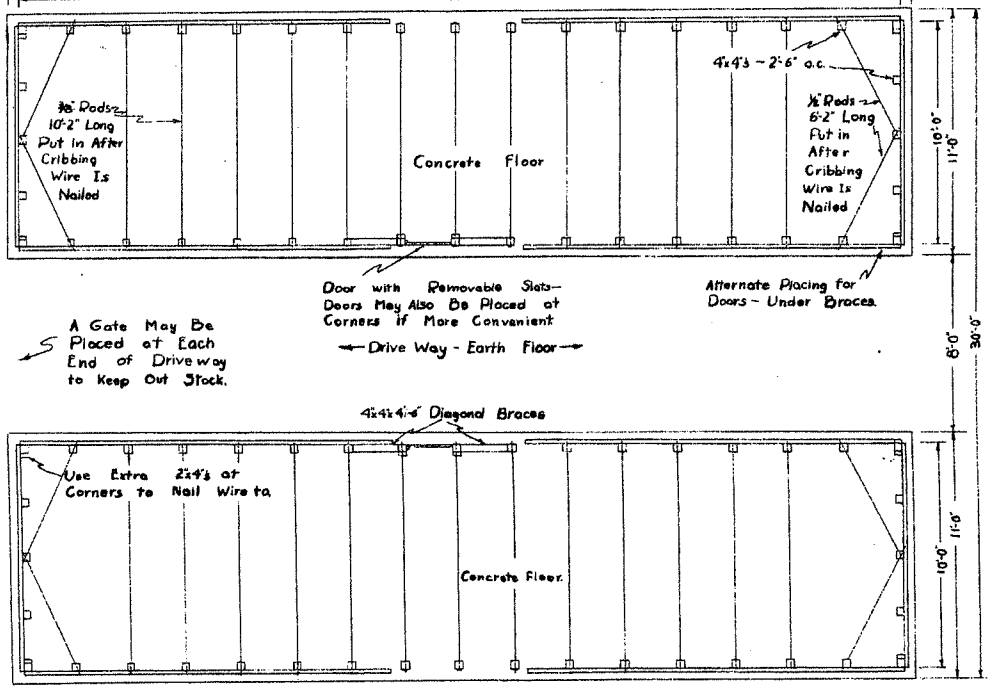
Rat Guard of Galvanized Iron Nailed on Outside Over All Studs and Braces - At Least 30 in. High.

SIDE ELEVATION AND FRAMING
SCALE : ¼"=1'



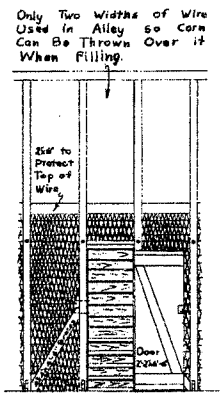
CROSS SECTION

END ELEVATION AND FRAMING
SCALE : ¼"=1'

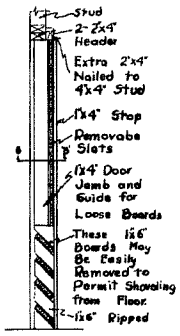


A Gate May Be Placed at Each End of Driveway to Keep Out Stock.

FLOOR PLAN AND SECTION AT 'A'
SCALE : ¼"=1'

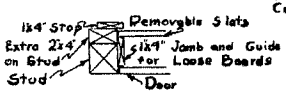


ELEVATION OF DOOR IN DRIVEWAY
SCALE : ¼"=1'



Note: Shovel Doors Constructed the Same as the Bottom Part of Above Door May Be Placed Where Ever Convenient.

VERTICAL SECTION
SCALE : ½"=1'



HORIZONTAL SECTION THROUGH B-'B'
SCALE : 1"=1'

DETAILS OF DOORS

NOTE: 1. Gates May Be Constructed Across Driveway Openings by Extending Crib Wire Across to One Side and Framing Ends With Strips of Lumber.
2. Additional Capacity Secured by Placing Corn in Driveway.
3. Concrete Floor May be Placed in Driveway for Feed Storage, Grinding, etc.
4. Driveway May be Used for Implement Storage.
5. Necessary to Have Foundation Walls with Projecting Footing to Prevent Rats Undermining Floor.
6. Sheet Metal Guard Around Entire Structure Necessary to Prevent Rats from Going Thru Wire Cribbing.
7. Creosote Bottom Ends of Studs for Preservation.
8. Paint Structure Before Putting on Wire to Lengthen Life by Lessening Checking, Warping & Rotting.
9. Additional Boards May be Placed Above 2'6" Shoveling Bar Giving Extra Capacity.
10. Elevator Openings May be Placed in Roof and Another Width of Cribbing Wire Used on Driveway Side.

BILL OF MATERIALS

PCS.	SIZE & DESCRIPTION
40	Cu. yds. Pit Run Gravel - Concrete & Fill
160	Bags (Cu. Ft.) Portland Cement.
24	4"x4"x 12' - Studs
46	4"x 4"x 14' - Studs.
168	Lin. Ft. 4"x4" Plates
2	4"x4"x 10' - Braces by Doors
38	2"x 6"x 16' - Rafters
22	2"x 6"x 16' - Spliced Ties & Shoveling Bars
8	2"x 6"x 20' - Corner Braces, Sides
4	2"x 6"x 14' - Corner Braces, Ends.
8	2"x 4"x 14' - Addition to Corner Studs
4	2"x 4"x 8' - Door Framing
1	2"x 4"x 10' - Door Headers.
270	Lin. Ft. 1"x6" - Rafter Ties, Door Slats, etc.
100	Lin. Ft. 1"x4" - Rafter Ties, Door Guides and Jambs.
1660	Bd. Ft. 1"x8" Shiplap - Roof & Doors.
36	Rods 2'x8½" Cribbing Wire, 4' High.
200	Lin. Ft. 30", 28 ga. Galv. Sheet Metal Rat Guard.
4	Rolls Composition Roofing
50	Ft. Sheet Metal Ridge Roll & 2 Finals
50	Ft. ½" Round Wrought Iron Rod
270	Ft. ⅜" Round Wrought Iron Rod.
38	⅜"x 2"x10" Strap Iron Stud Anchors
108	⅜"x4½" Carriage Bolts - Studs
132	⅜"x 6½" Carriage Bolts - Braces (Studs)
24	⅜"x6" Carriage Bolts - Corner & Door
4	⅜"x7" Carriage Bolts - Block Above Door Brace
4	⅜"x8" Carriage Bolts - Door Braces
16	½" Nuts & Washers
52	⅜" Nuts & Washers
2	Pr. 6" T Hinges; 2 Door Latches
	Common Nails: 50 lbs. 8d.; 20 lbs. 10d.; 10 lbs. 6d.; 5 lbs. 16d.; 5 lbs. 20d
	Fence Staples: 3 lbs 1".
	10 Gals. Outside Paint
	1 Gal. Coal Tar Creosote.
	Approximate Cost Varying With Quality of Materials Selected.

CAPACITY: 3200 TO 4000 BU. EAR CORN

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA AGRICULTURAL COLLEGE
AND
U. S. DEPT. OF AGRICULTURE COOPERATING
EXT. AGR'L ENGINEER - FARGO, N.DAK.

CORN CRIB

PLAN NO. N.D. 732-1 DRAWN BY A.E.D. TRACED BY L.K. 4/2/34