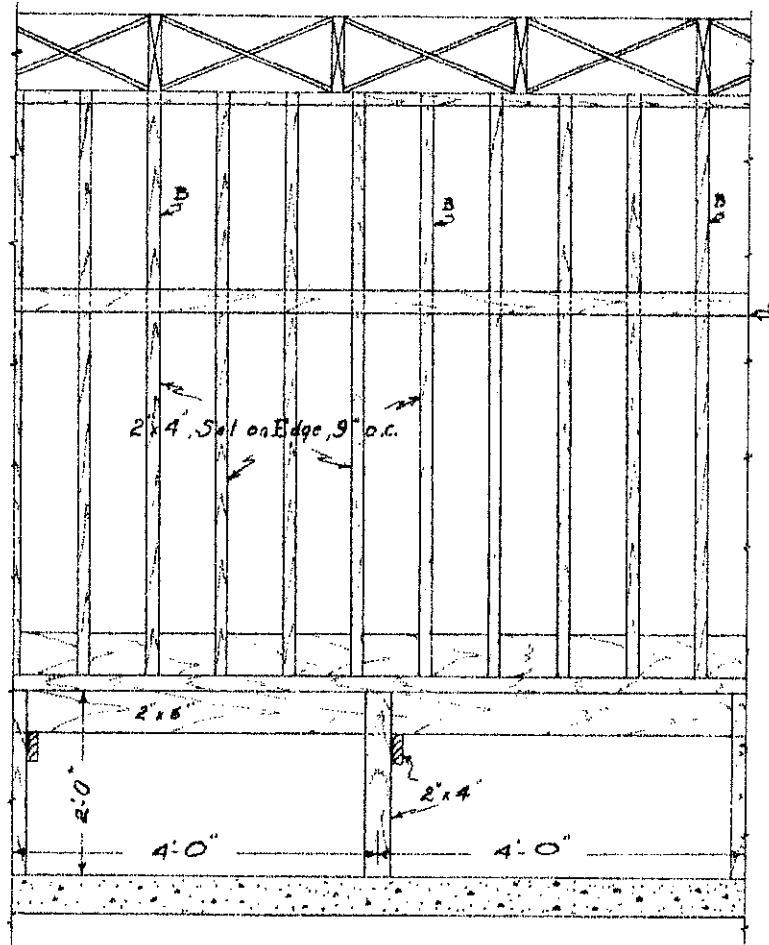


SECTION



FRONT ELEVATION

BILL OF MATERIALS FOR 8 FT. SECTION		
Pcs.	Size & Description	Bd. Ft.
2	2x12x8 - Trough Bottom	32
1	2x8x8 - " Back	11
1	2x6x10 - " Front & Partn.	10
1	2x6x8 - Top Stringer	8
3	2x4x16 - Manger	53
2	2x4x10 - Legs & Braces	13
1	1x12x8 - Between Studs	8
1	1x6x8 - Manger Back	4
1	1x4x8 - " Brace	3
1	2x2x8, Rip Diagonally for Cleats	3
Nails, Common: 1" 7d, 1" 10d, 2" 16d		
TOTAL		145

In case manger is to be filled from front side, use 2x4 to replace 1x4 brace (A), and let every fourth 2x4 slot (B) run full length; cut upper part of other three off of brace.

NORTH DAKOTA AGRICULTURAL COLLEGE
DIVISION OF AGRICULTURAL EXTENSION
STATE COLLEGE STATION, FARGO, NORTH DAKOTA
H. L. WALSTER, DIRECTOR
U. S. DEPARTMENT OF AGRICULTURE COOPERATING
ACTS OF CONGRESS MAY 8, JUNE 30, 1914

WALL MANGER FOR FEED BARN
SCALE: 3/4" = 1'-0" PLAN NO. ND772-1-1/2 DATE-SEPT. 1931
DEPARTMENT OF AGRICULTURAL ENGINEERING
DESIGNED BY H. F. M. COLLY ASRL EXPERIMENT STATION
APPROVED BY DEPT. OF ANIMAL HUSBANDRY, E. J. THOMPSON
DRAWN BY C. E. KELLY TRACED BY C. E. K.