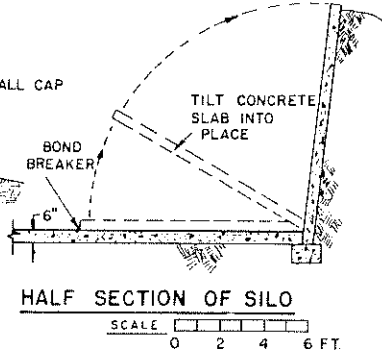
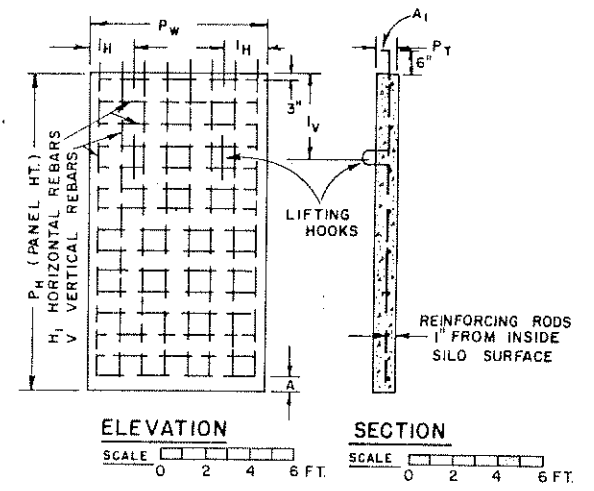


CROSS SECTION



HALF SECTION OF SILO

SCALE 0 2 4 6 FT.



ELEVATION

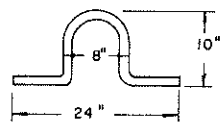
SCALE 0 2 4 6 FT.

SECTION

SCALE 0 2 4 6 FT.

NOTES

1. CAPACITY IS BASED ON 40 POUNDS PER CUBIC FOOT.
2. A DAILY USE RATE OF 4" OF SILAGE IS RECOMMENDED IN WARM WEATHER TO KEEP SILAGE FRESH.
3. ALL CONCRETE SHOULD CONTAIN 40% SAND, 60% GRAVEL AND NOT MORE THAN 6 GALLONS OF WATER PER SACK OF CEMENT.
4. BE SURE TO SET GRADE SO WATER WILL DRAIN AWAY FROM SILO.

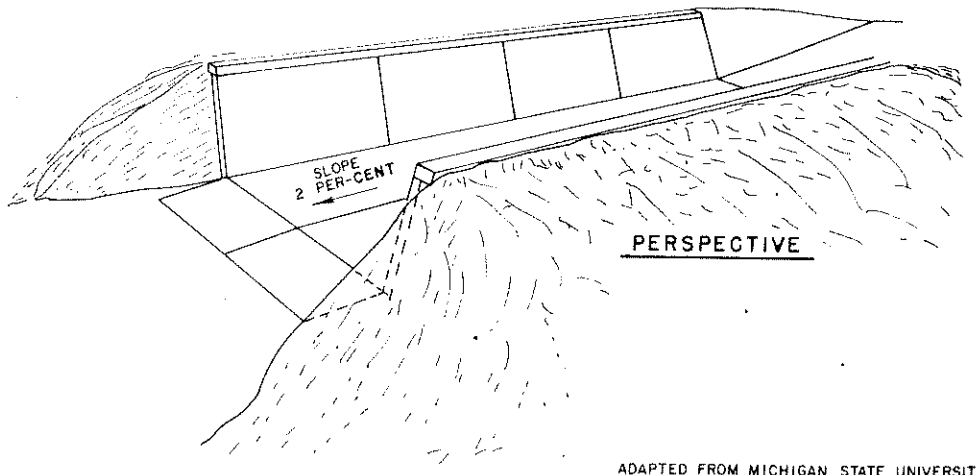


LOOP FOR LIFTING WALL

THE ANCHORING IS FORMED FROM 3/4" DIAMETER x 3 FT. LONG STEEL BARS

**BUNKER SILO CAPACITIES
TONS/FOOT OF LENGTH**

DEPTH	WIDTH					
	30'	40'	50'	60'	70'	80'
8'	5	6.5	8.1	10.0	11.3	13.0
10'	6.2	8.4	10.2	12.2	14.2	16.2
12'	7.5	10.0	12.3	14.6	17.0	20.0
14'	8.7	11.5	14.3	17.0	20.0	22.7
16'	10.0	13.1	16.3	20.0	22.7	26.0
18'	11.1	14.7	18.3	22.0	27.6	29.1



PERSPECTIVE

ADAPTED FROM MICHIGAN STATE UNIVERSITY
PLAN NO. 733-CI-15

PANEL DIMENSION SCHEDULE						
PANEL HT.	P _w	P _t	A	I _H	I _V	WT.
10'-0"	7'-11"	3 5/8"	3"	1'-6"	3'-0"	3400
12'-0"	7'-11"	5 1/2"	3"	1'-6"	3'-6"	6100
14'-0"	7'-11"	5 1/2"	3"	1'-6"	4'-0"	7200

PANEL REINFORCEMENT SCHEDULE												
	10 FOOT				12 FOOT				14 FOOT			
	SHAPE	NO.	SIZE	LGTH.	SHAPE	NO.	SIZE	LGTH.	SHAPE	NO.	SIZE	LGTH.
H ₁	—	11	4	7'-6"	—	13	4	7'-6"	—	15	4	7'-6"
V ₁	—	8	4	9'-6"	—	8	4	11'-6"	—	8	4	13'-6"
A ₁	—	2	4	2'-6"	—	2	4	2'-6"	—	2	4	2'-6"

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
DEPARTMENT OF AGRICULTURAL ENGINEERING
UNIVERSITY OF MARYLAND
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

CONCRETE TRENCH SILO

MICH.-PA 71 | **6110** | SHEET 1 OF 1