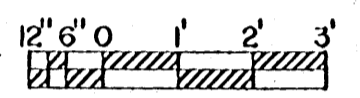


CROSS SECTION

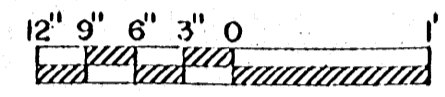
SCALE 3/8" = 1' - 0"



LOOP FOR LIFTING

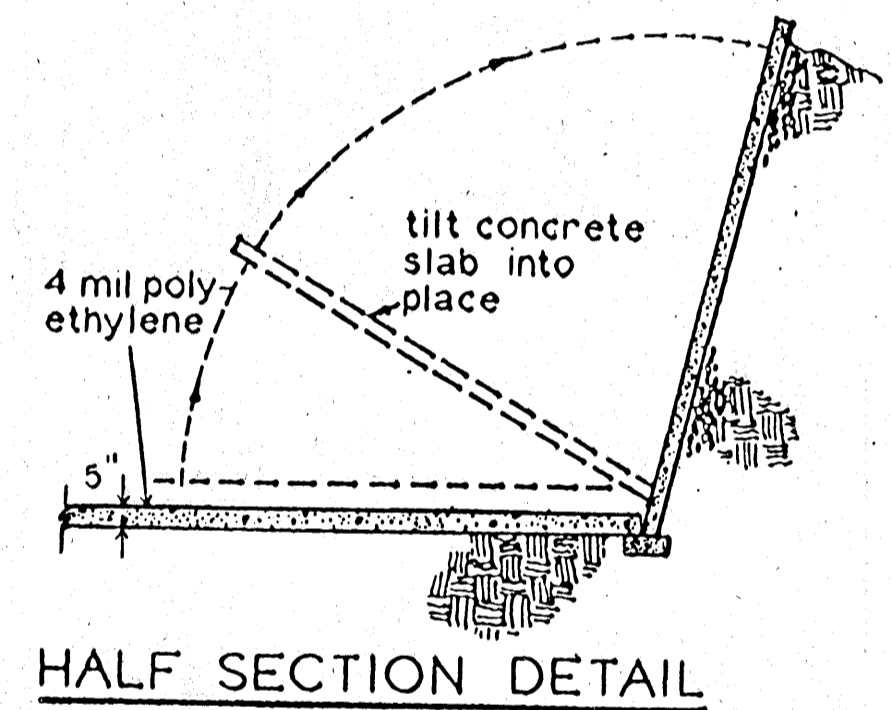
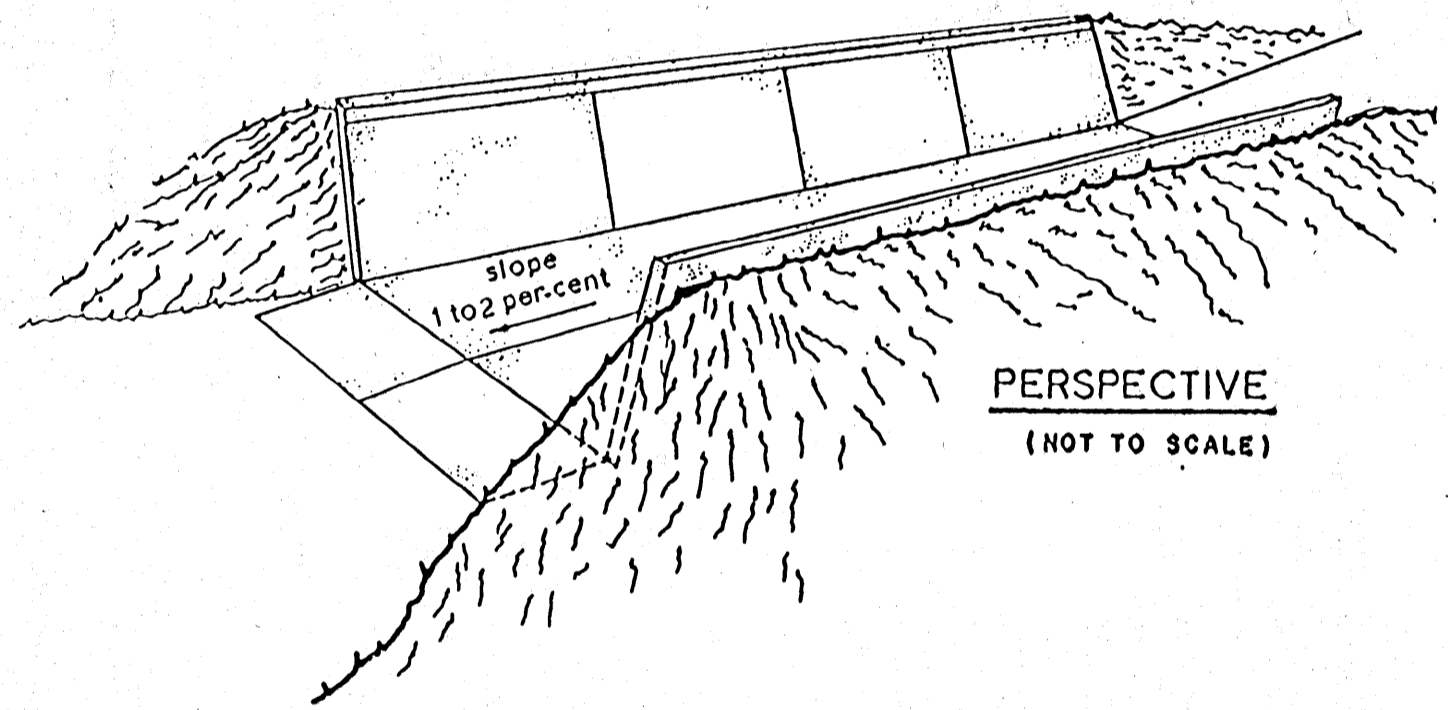
THE LIFTING LOOP IS FORMED FROM 3/4" DIAMETER X 3' LONG STEEL BARS.

SCALE 1" = 1' - 0"

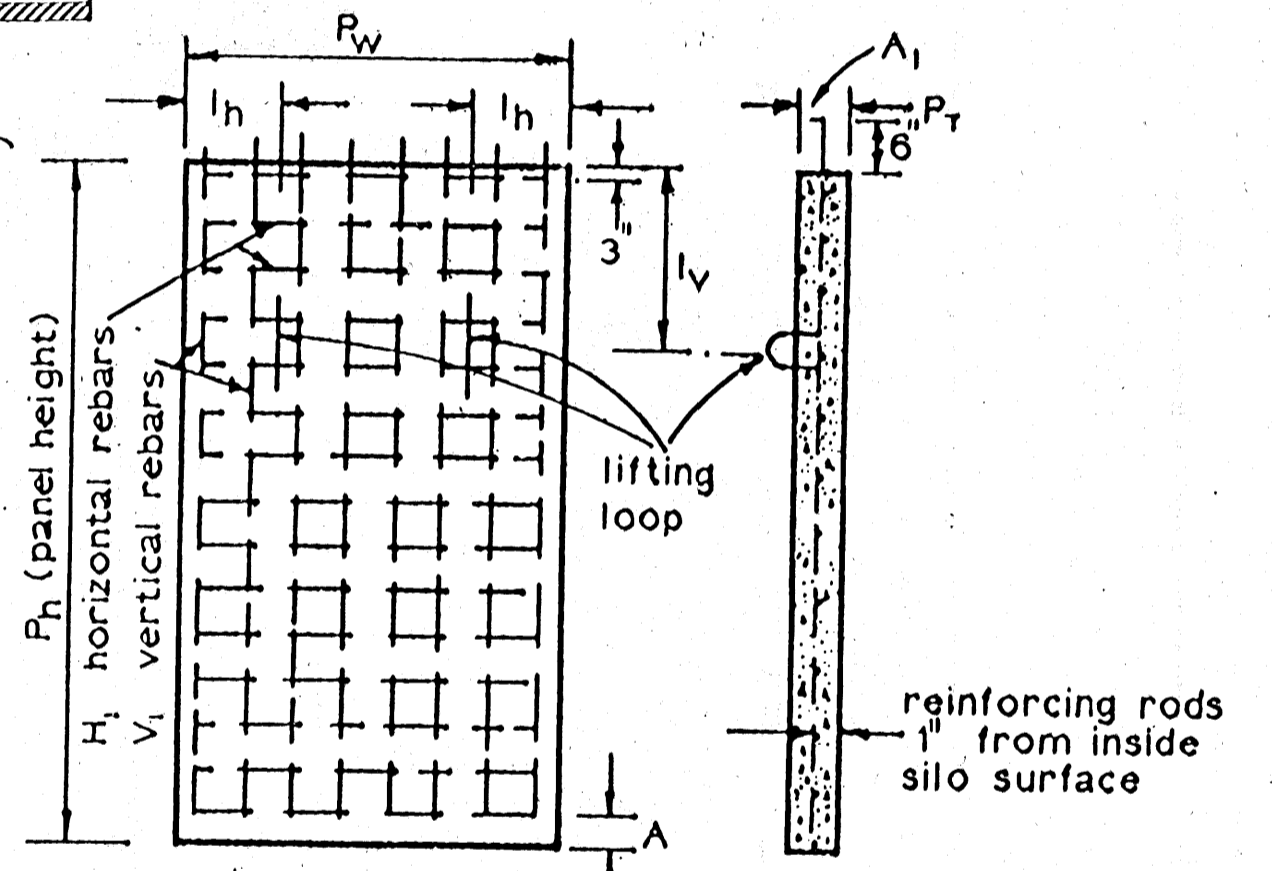
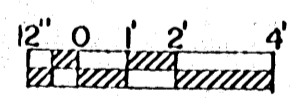


TIE BAR INSERT DETAIL

(NOT TO SCALE)

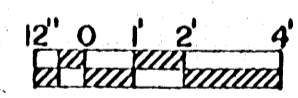


SCALE 1/4" = 1' - 0"



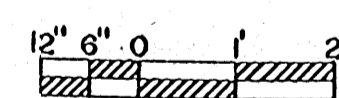
ELEVATION

SCALE 1/4" = 1' - 0"



SECTION

SCALE 1/2" = 1' - 0"



BUNKER SILO CAPACITIES IN TONS/FOOT OF LENGTH

depth	width						
	20'	30'	40'	50'	60'	70'	80'
8'	35	5	6.5	8.1	10.0	11.3	13.0
10'	45	6.2	8.4	10.2	12.2	14.2	16.2
12'	55	7.5	10.0	12.3	14.6	17.0	20.0
14'	66	8.7	11.5	14.3	17.0	20.0	22.7
16'	75	10.0	13.1	16.3	20.0	22.7	26.0
18'	88	11.1	14.7	18.3	22.0	27.8	29.1

NOTES

- Capacity is based on 40 pounds per cubic foot.
- A daily use rate of 4" of silage is recommended in warm weather to keep silage fresh.
- The aggregate should contain 40% sand, 60% gravel; and not more than 6 gallons of water per sack of cement.
- Set grade so water will drain away from silo.

PANEL HT.	R _w	P _T	A	l _h	l _v	WT.
8'-0"	7'-11"	3 1/2"	3"	1'-6"	2'-6"	2600
10'-0"	7'-11"	3 1/2"	3"	1'-6"	3'-0"	3200
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											
	8 FOOT			10 FOOT			12 FOOT			14 FOOT		
	shape	no.	size	lgth.	shape	no.	size	lgth.	shape	no.	size	lgth.
H ₁	—	9	1/2"	7'-6"	—	11	1/2"	7'-6"	—	13	1/2"	7'-6"
V ₁	—	8	1/2"	7'-6"	—	8	1/2"	9'-6"	—	8	1/2"	11'-6"
A ₁	—	2	1/2"	2'-6"	—	2	1/2"	2'-6"	—	2	1/2"	2'-6"

COOPERATIVE EXTENSION SERVICE
 AGRICULTURE AND HOME ECONOMICS
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

CONCRETE TRENCH SILO

SC 81 6347 SHEET 1 OF 1

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