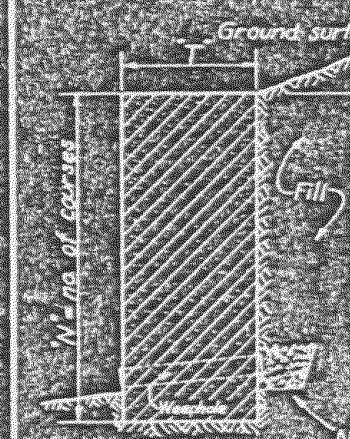
GARDEN WALLS

h	1	1½	2	3	4
θ	45°	33°40'	26°40'	18°30'	14°00'



VALUES FOR PLAIN WALLS

T	θ less than 15°		θ between 15° and 35°	
	Max. N	Ht. with ½" jts.	Max. N	Ht. with ½" jts.
7½"	4	1'-5½"	4	1'-5½"
11¼"	7	2'-7"	6	2'-2½"
16"	10	3'-8½"	8	2'-11½"
24"	14	5'-2½"	12	4'-5½"

NOTE: The above table is based upon pervious, well drained soil. If the material is impervious, or if considerable water is expected, provide drainage as indicated. No seismic force is assumed. Value of "N" not to exceed that tabulated above for "T-T₁", "N₂" for "T-T₂", etc.

GARDEN RETAINING WALLS

"FENCE" WALLS WITH PILASTERS may be designed for withstanding 20% gravity earthquake forces with slightly thinner walls than shown below. Wall may be any length.

T	Plain Walls			Reinforced Walls			
	Max. H	"B"	"D"	No. of curtains	Max. H	"B"	"D"
7½"	3'-6"	1'-4"	6"	1	5'-0"	2'-0"	8"
11¼"	4'-6"	1'-8"	8"	1 2	7'-0" 9'-0"	2'-6" 3'-0"	10" 1'-0"
16"	5'-6"	2'-0"	9"	1 2	7'-6" 11'-0"	2'-9" 4'-0"	1'-0" 1'-4"

BASIS OF TABLE: Static lateral force = 20% of wall wt. @ 120 lb./cu.ft. Max. net tension in plain walls = 5¾ lb./sq.in. "B" & "D" are for max. H. Reinforcement as on Data Sheet No. 102; f_s = 24000 & f_c = 1100 lb./sq.in. Max. O.T. Mom. = 0.6 Res. Mom. Max. soil press. = 1600 lb./sq.ft.

RECOMMENDATION: Max. H = 8 T

Concrete footing may be Caladobe if "D" more than "B"-T and "H" is 6" less than Max. H.

"FENCE" WALLS WITHOUT PILASTERS

CALADOBE BRICK

GARDEN WALLS

DRAWN BY: JAB DATE: NOV. 1942

DATA SHEET No. 107