

NCMA TEK 15-1B

Vertical Reinforcement for 12 in. Masonry Walls

This form may be used when block foundation walls exceed code. If wall height exceeds this form's limits or does not comply with the special requirements, engineered design is required.

JOB NAME: _____

Special requirements:

1. Top and bottom of foundation wall is laterally supported prior to backfilling.
2. No surcharges on the soil or fill material adjacent to the wall.
3. No hydrostatic pressure.
4. Required reinforcement is placed on the tension side of wall.

Wall Height ft	Backfill Height ft	Reinforcement size (No.) and spacing (in o.c.) required for equivalent fluid pressure of soil, psf/ft depth:
		60 (Clay Soil Backfill)
7.3	4	5 @ 120 in.
	5	5 @ 72 in.
	6	5 @ 56 in. or 7 @ 96 in.
8	4	5 @ 120 in.
	5	5 @ 72 in.
	6	5 @ 56 in. or 7 @ 96 in.
	7	5 @ 32 in. or 7 @ 72 in.
9.3	4	5 @ 120 in.
	5	5 @ 72 in. or 7 @ 120 in.
	6	5 @ 48 in. or 7 @ 96 in.
	7	5 @ 32 in. or 8 @ 72 in.
10	8	5 @ 24 in. or 8 @ 64 in.
	4	5 @ 120 in.
	5	5 @ 72 in.
	6	5 @ 48 in. or 8 @ 96 in.
	7	5 @ 32 in. or 8 @ 72 in.
12	8	5 @ 24 in. or 8 @ 56 in.
	9	6 @ 24 in. or 8 @ 48 in.
	4	5 @ 120 in.
	5	5 @ 72 in.
	6	5 @ 40 in. or 8 @ 96 in.
	7	5 @ 24 in. or 8 @ 72 in.
	8	6 @ 24 in. or 8 @ 48 in.
	9	4 @ 8 in. or 8 @ 40 in.
	10	4 @ 8 in.
	11	5 @ 8 in.

SIGNATURE: _____

DATE: _____