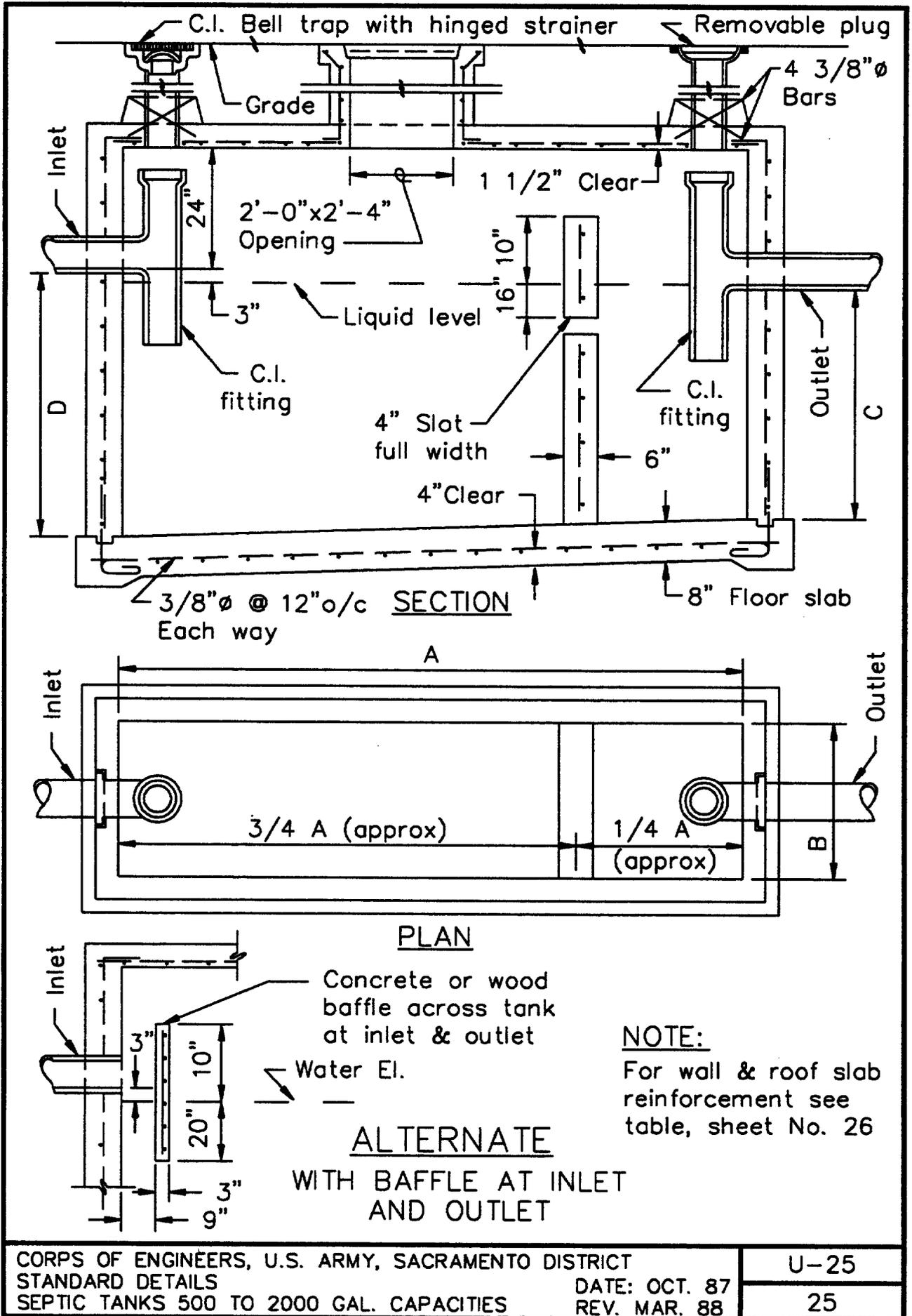
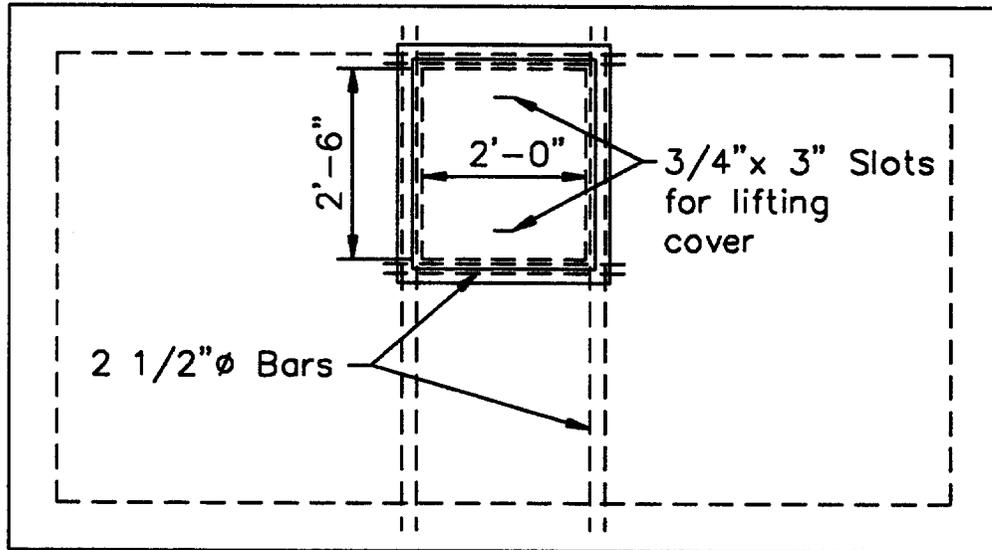


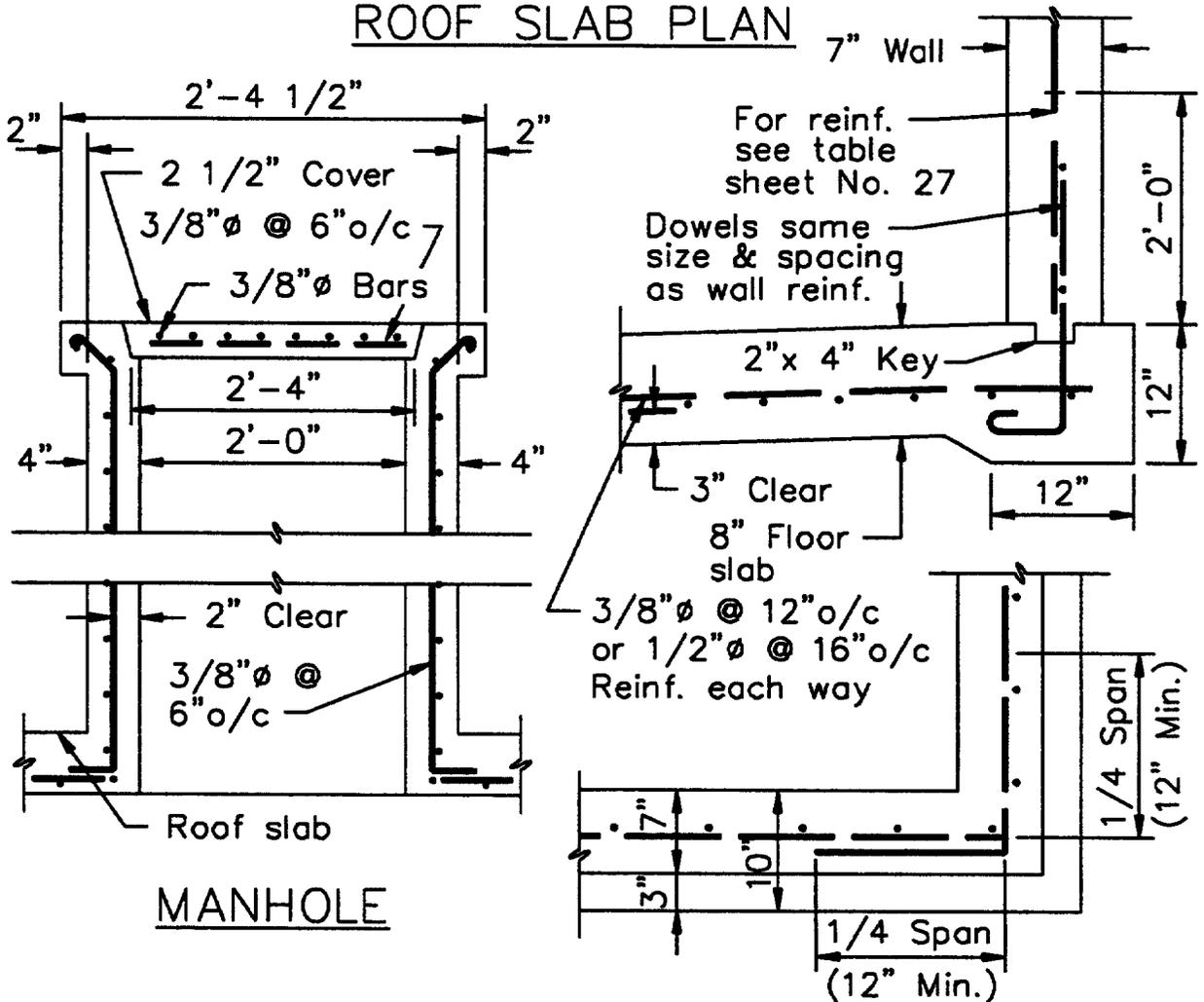
NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



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ROOF SLAB PLAN



MANHOLE

TYPICAL CORNER REINF.

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

SEPTIC TANK DIMENSIONS AND REINFORCEMENT

CAPA-CITY GALL'S	CU. FT.	+25%	A	B	C	D	WALL THICKNESS	WALL REINFORCEMENT				ROOF SLAB			
								FOR 1/2φ	FOR 3/8φ	SLAB THICKNESS	REINF.	TRANSVERSE	LONGITUDINAL		
500	67	83	6'-8"	3'-0"	4'-3"	4'-9"	7" WALL THICKNESS	HORIZ	VERT	HORIZ	VERTICAL	3 1/2"	3/8"φ @ 12" o/c	3/8"φ @ 12" o/c ALL SLABS	
750	100	125	8'-2"	3'-8"	4'-3"	4'-9"		3/8"φ @ 8" o/c	3/8"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	3 1/2"	MIDDLE HALF OF WALL 3/8"φ @ 6" o/c 3/8"φ @ 8" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c
1000	133	166	8'-8"	4'-1"	4'-9"	5'-3"		3/8"φ @ 8" o/c	1/2"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	3 1/2"	END QUARTERS OF WALL 3/8"φ @ 12" o/c 3/8"φ @ 12" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c
1250	167	208	9'-9"	4'-6"	4'-9"	5'-3"		3/8"φ @ 8" o/c	1/2"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	4"	3/8"φ @ 12" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c
1500	200	250	10'-6"	4'-9"	5'-0"	5'-6"		3/8"φ @ 8" o/c	1/2"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	4"	3/8"φ @ 12" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c
1750	233	292	11'-6"	5'-0"	5'-0"	5'-6"		3/8"φ @ 8" o/c	1/2"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	4 1/2"	3/8"φ @ 12" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c
2000	266	332	12'-6"	5'-3"	5'-0"	5'-6"		3/8"φ @ 8" o/c	1/2"φ @ 12" o/c ALL WALLS	3/8"φ @ 6" o/c	3/8"φ @ 12" o/c	4 1/2"	3/8"φ @ 12" o/c	3/8"φ @ 4" o/c	1/2"φ @ 6" o/c 3/8"φ @ 3 1/2" o/c

NOTES

1. Other designs may be used to suit local conditions.
2. The capacities indicated are exclusive of 25% allowance for sludge accumulation.
3. Top of tank may be at grade if conditions permit.

BASIS OF STRUCTURAL DESIGN

1. Roof slab is designed for an earth load of 300 lbs. per square foot plus a live load of 100 lbs. per square foot.
2. Walls are designed for the internal liquid pressure or for an external earth pressure equivalent to a fluid pressure of 33 lbs. per foot of depth, whichever load causes the max. stress.
3. Concrete to have a minimum strength of 3,000 lbs. per sq. inch in 28 days, with $n = 10$; $f_s = 20,000$ lbs. and $f_e = 1350$ lbs. per sq. inch.