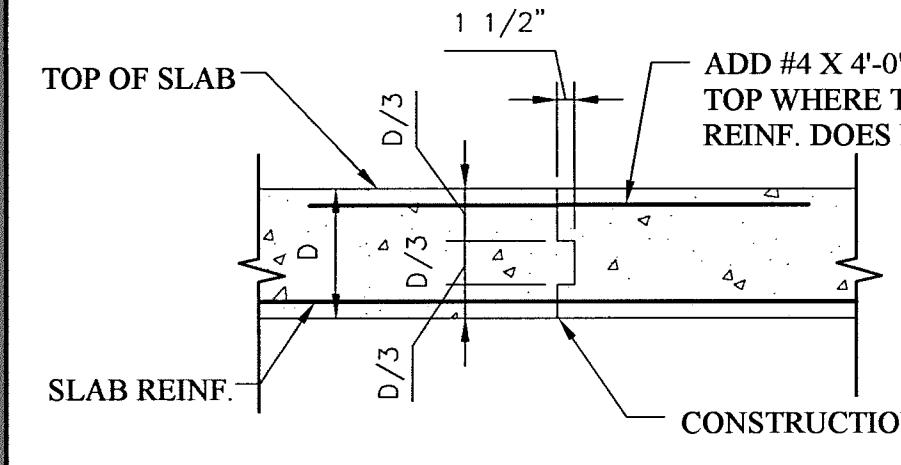


SLAB NON-CONTINUOUS AT SUPPORT

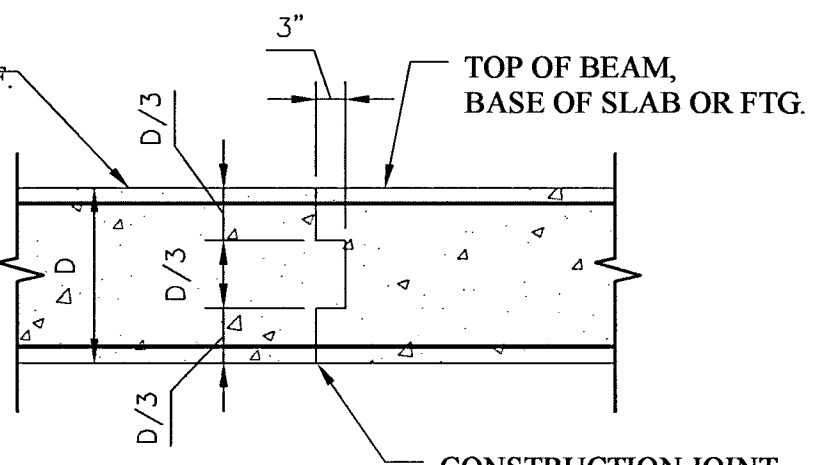
SLAB CONTINUOUS AT SUPPORT

TYPICAL DETAIL FOR CONCRETE ONE-WAY SLAB
NO SCALE

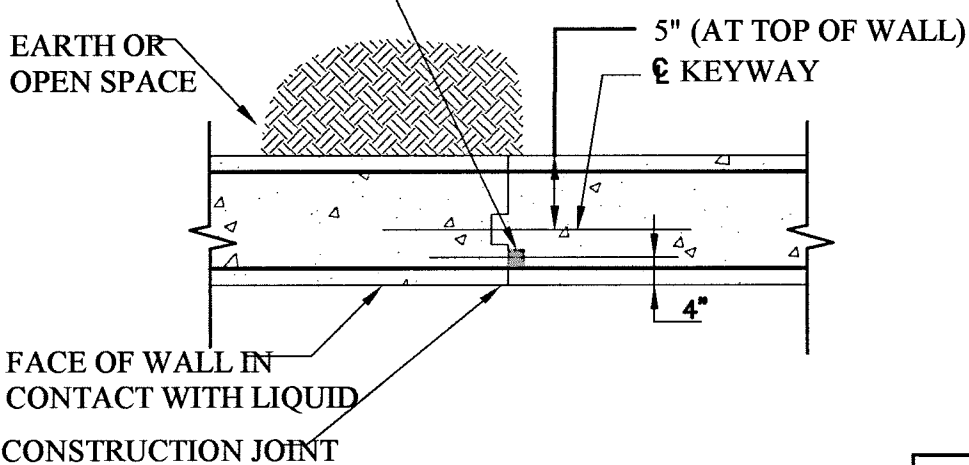


ELEVATED SLAB

NOTE:
REINFORCING IS TO BE
CONTINUOUS THROUGH
CONSTRUCTION JOINTS.



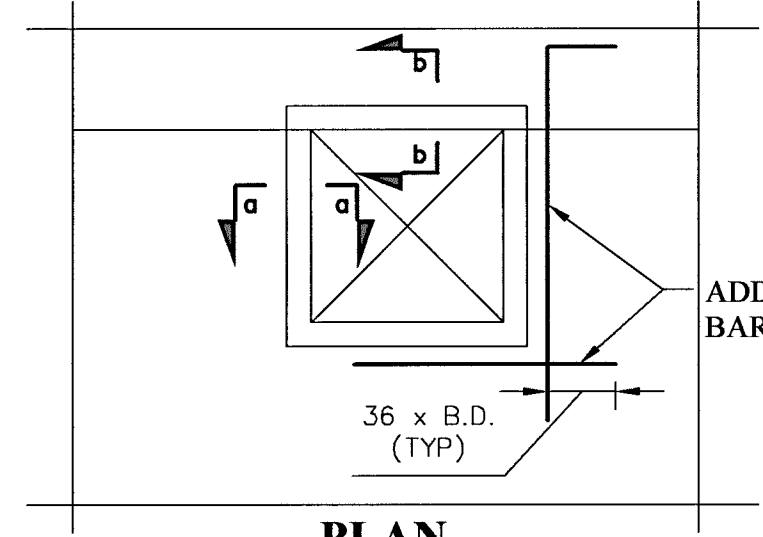
BASE SLAB, FOOTING



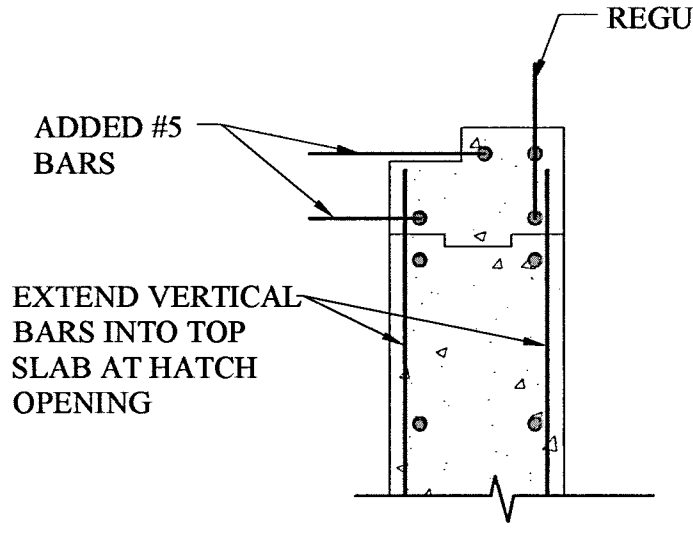
WALL

NOTE:
DISCONTINUE KEYWAY AND WATERSTOP 6"
FROM TOP OF FREE STANDING WALL

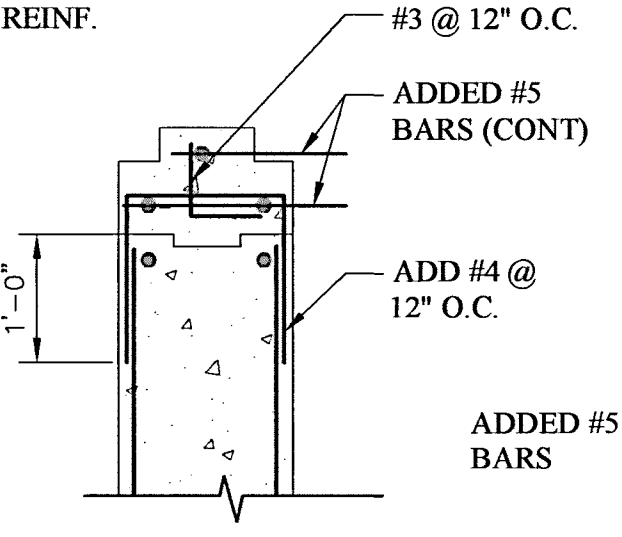
TYPICAL VERTICAL CONSTRUCTION JOINT DETAILS
NO SCALE



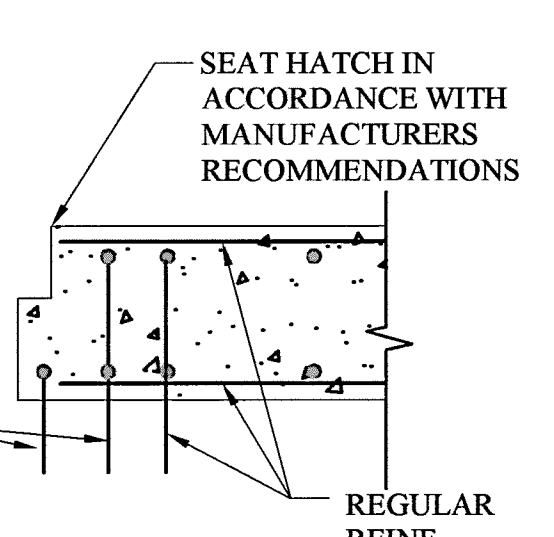
TYPICAL DETAILS FOR
HATCH OPENING IN TOP SLAB
NO SCALE



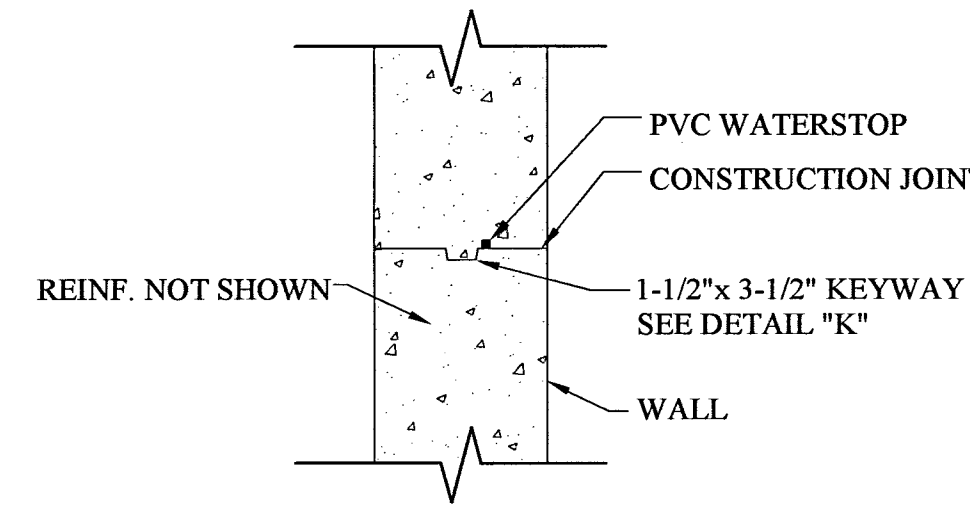
SINGLE HATCH



DOUBLE HATCH



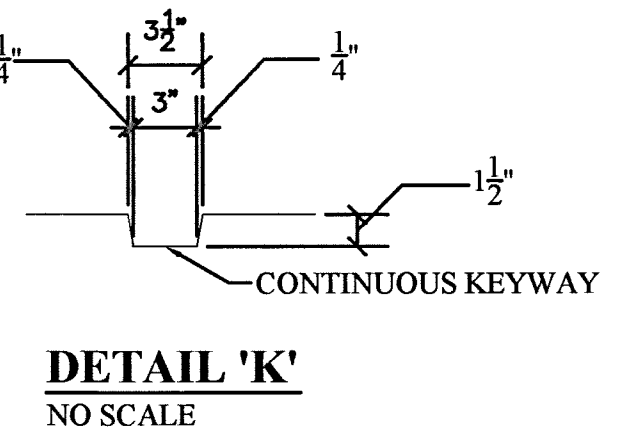
SECTION a-a



TYPICAL WATERSTOP DETAIL
NO SCALE

NOTES:

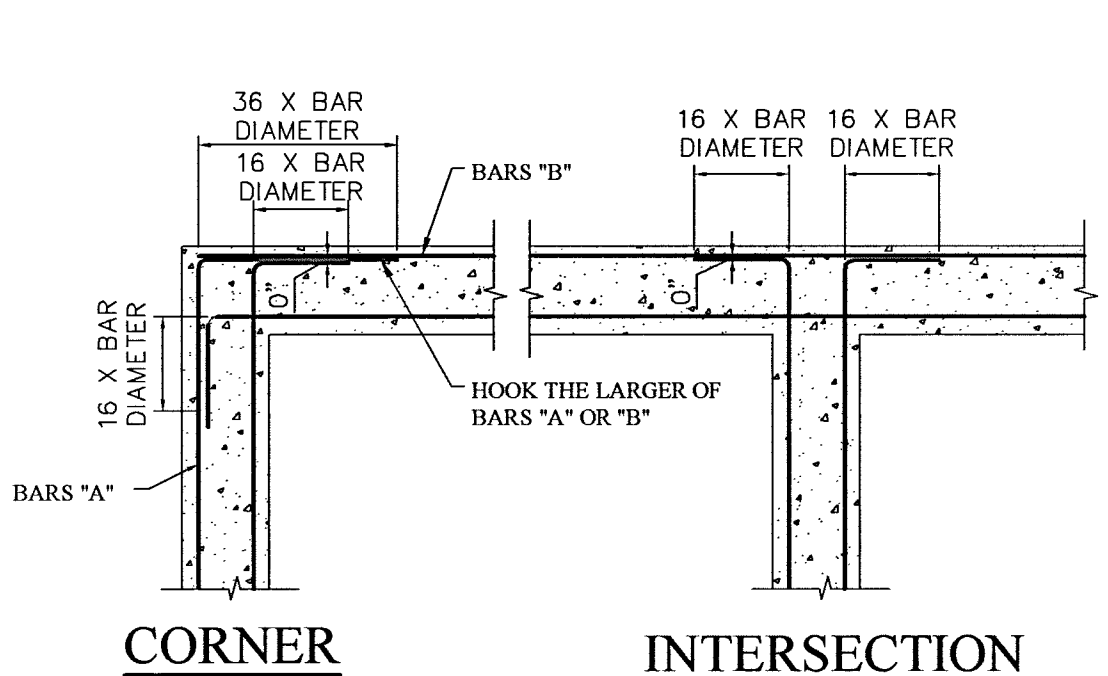
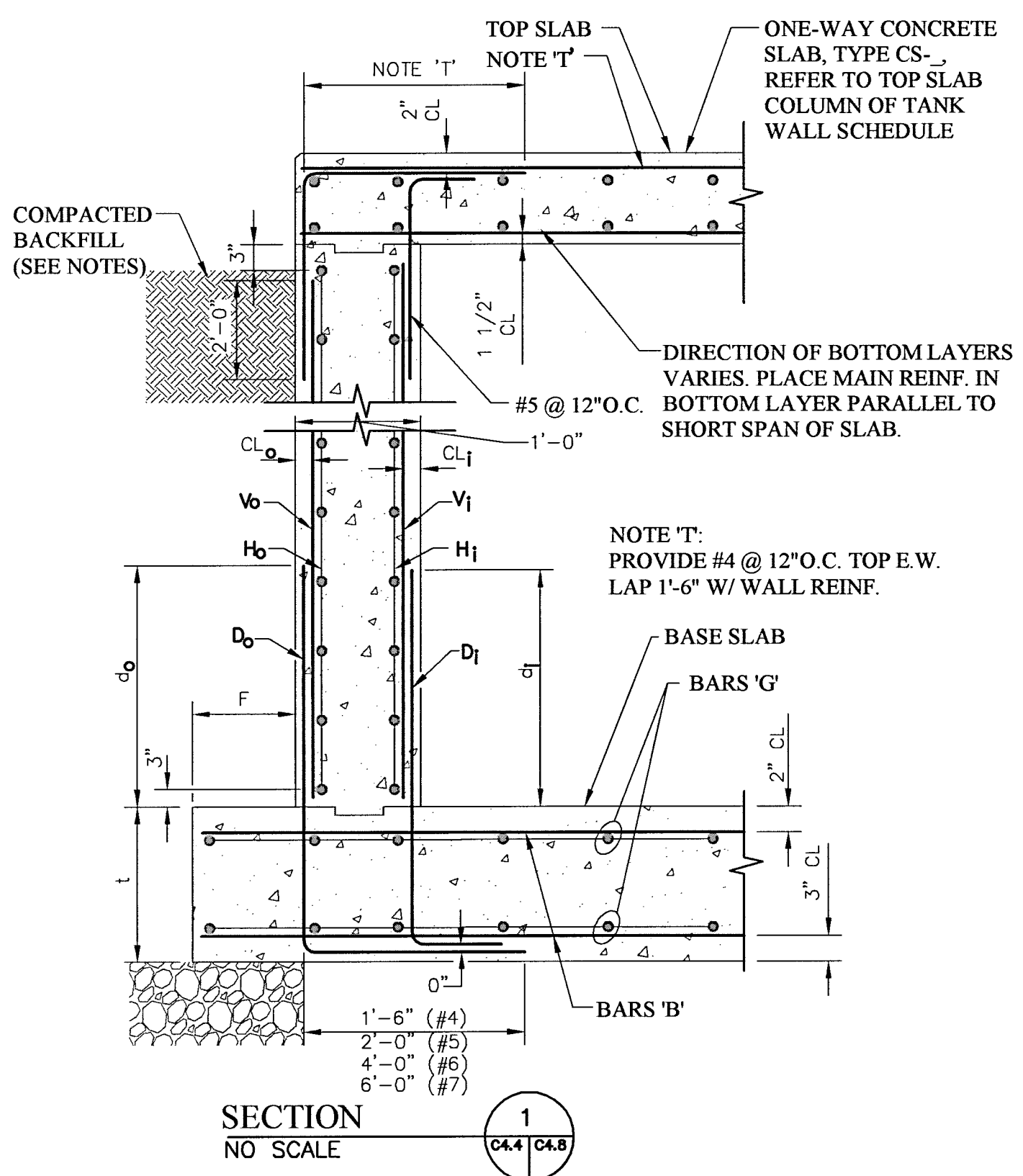
1. Provide pvc waterstops where liquids are contained.
2. Splices in waterstops shall be made by butting ends of pieces together. do not overlap pieces.
3. Horizontal construction joint graphically shown. vertical construction joint similar.



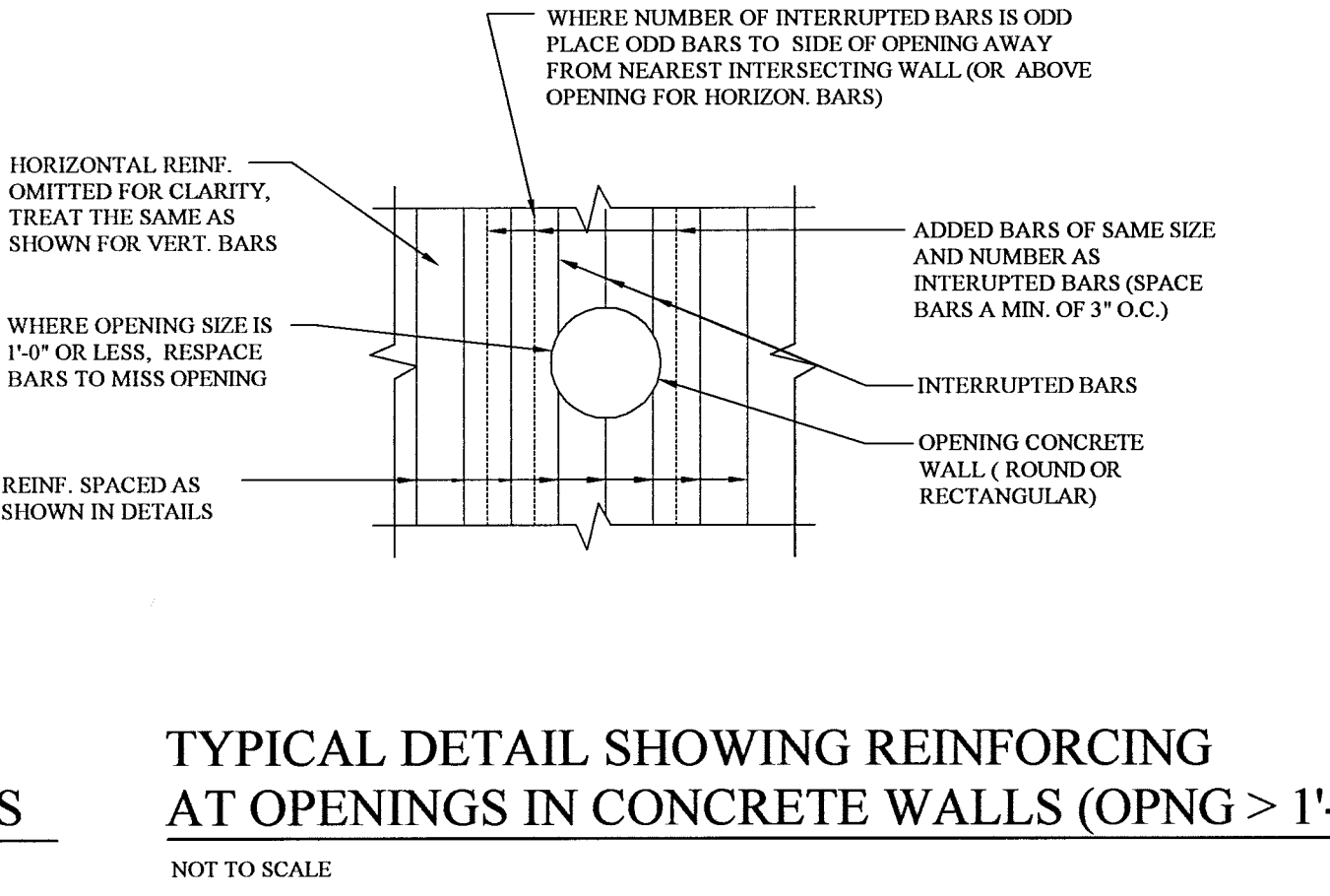
DETAIL 'K'
NO SCALE

ONE-WAY CONCRETE SLAB SCHEDULE			
TYPE	SLAB THICKNESS	MAIN REINF. BOTTOM	REMARKS
CS-1	8"	#4 @ 12" O.C.	
CS-2	8"	#4 @ 10" O.C.	
CS-3	8"	#4 @ 8" O.C.	
CS-4	8"	#5 @ 10" O.C.	
CS-5	6"	#4 @ 12" O.C.	
CS-6	5"	#5 @ 8" O.C.	
CS-7	10"	#5 @ 6" O.C.	

SLAB NOTE:
Unless otherwise noted the following temperature reinforcing shall be placed at right angles to main bottom reinforcing in one-way reinforced concrete slabs.
SLAB THICKNESS
UP TO 5"-----#3 @ 10" O.C
5 1/2" TO 8"-----#4 @ 12" O.C.
8" TO 12"-----#5 @ 12" O.C.



TYPICAL DETAILS SHOWING CONTINUOUS
REINFORCING AT CORNERS & INTERSECTIONS
NO SCALE

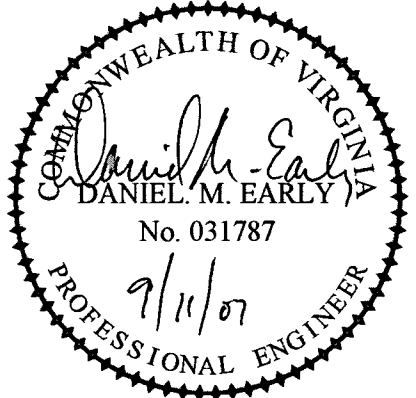


TYPICAL DETAIL SHOWING REINFORCING
AT OPENINGS IN CONCRETE WALLS (OPNG > 1'-6")
NOT TO SCALE

TANK WALL SCHEDULE NOTES:

1. Bar spacing given in the schedule indicates center to center spacing in inches.
2. All base slab and horizontal wall reinforcing to be continuous. bars 40 feet or less in length shall not be spliced. splices, where required, shall be alternated.
3. Concrete walls shall not be backfilled until the concrete in the base slab, wall, top slab (where present) and compressive support elements (where present) has attained a min. strength of 95% F_c.
4. "CL_o" and "CL_i" in schedule denotes clear distance from face of wall indicated to reinforcing steel.
5. A 1'-0" thick bed of porous fill (#57 stone) shall be provided beneath all base slabs.

CONCRETE TANK WALL SCHEDULE																	
STRUCTURE	SECTION	W	F	t	d _o	d _i	D _o	V _o	H _o	D _i	V _i	H _i	CL _o	CL _i	B	G	TOP SLAB
PUMP STATION	1	12"	12"	1'-6"	4'-0"	4'-0"	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"	1 1/2"	2"	#5 @ 12"	#5 @ 12"	CS-7
																	SEE NOTE #1



ACS DESIGN

ENGINEERING • SURVEYING
LANDSCAPE ARCHITECTURE
CONSTRUCTION MANAGEMENT

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**WESTLAKE VILLAGE
CENTRAL SEWER SYSTEM
FRANKLIN COUNTY, VIRGINIA**

DRAWN BY: CEK
DESIGNED BY: CEK
CHECKED BY: DME
DATE: 15 JUNE 2007
JOB NUMBER: 06145

REVISIONS:	
No. 1	
No. 2	
No. 3	
No. 4	

SHEET NO.:
C4.8

EFFLUENT STORAGE
TANK
STRUCTURAL DETAILS