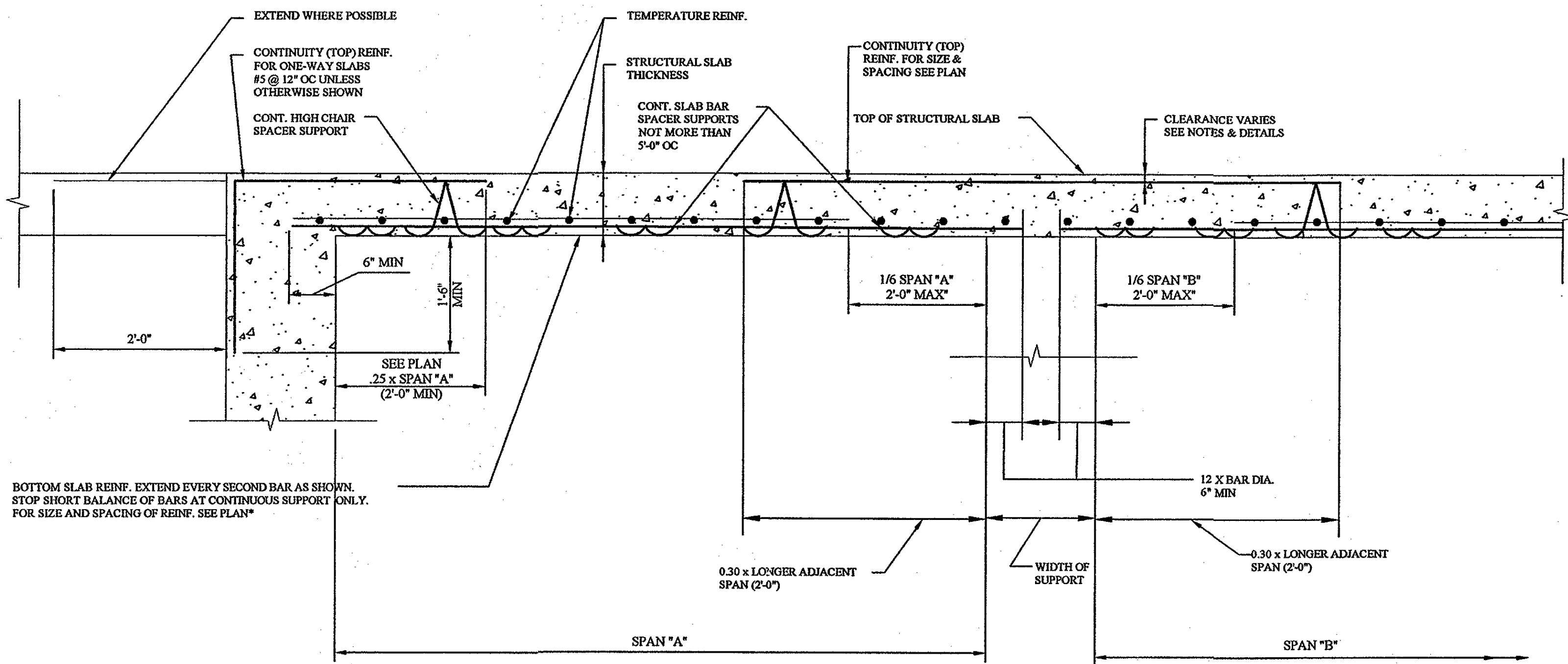


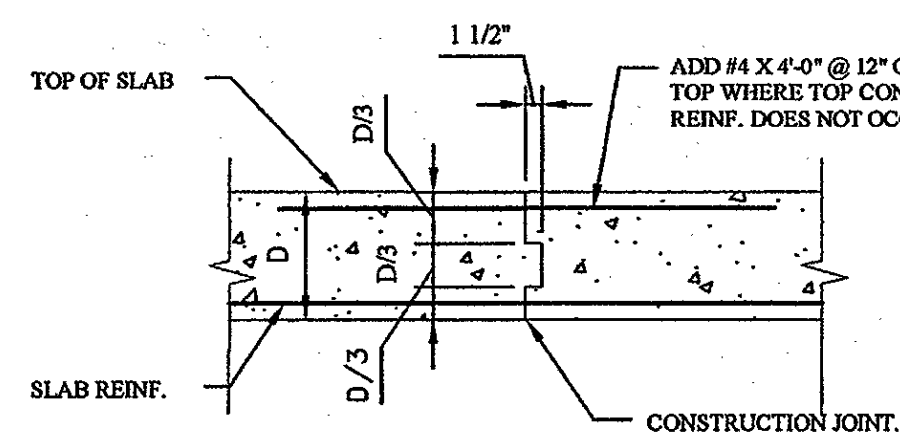


SLAB NON-CONTINUOUS AT SUPPORT

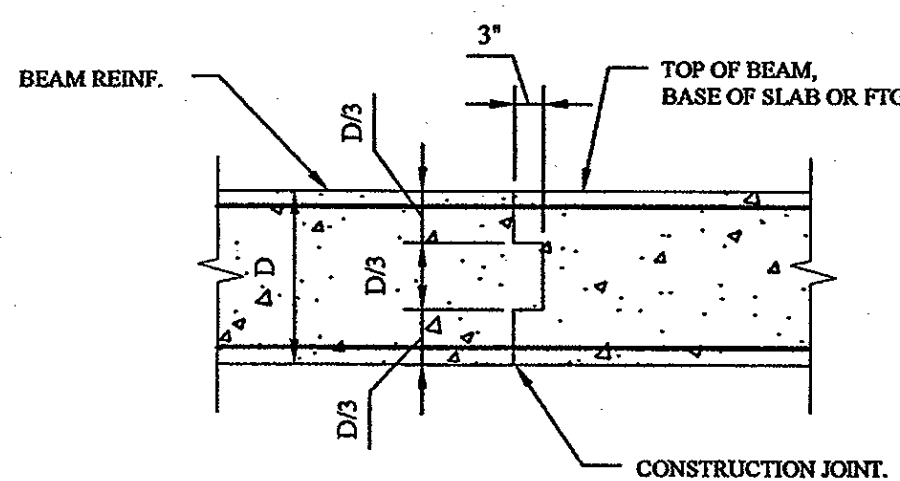
SLAB CONTINUOUS AT SUPPORT

TYPICAL DETAIL FOR CONCRETE ONE-WAY SLAB

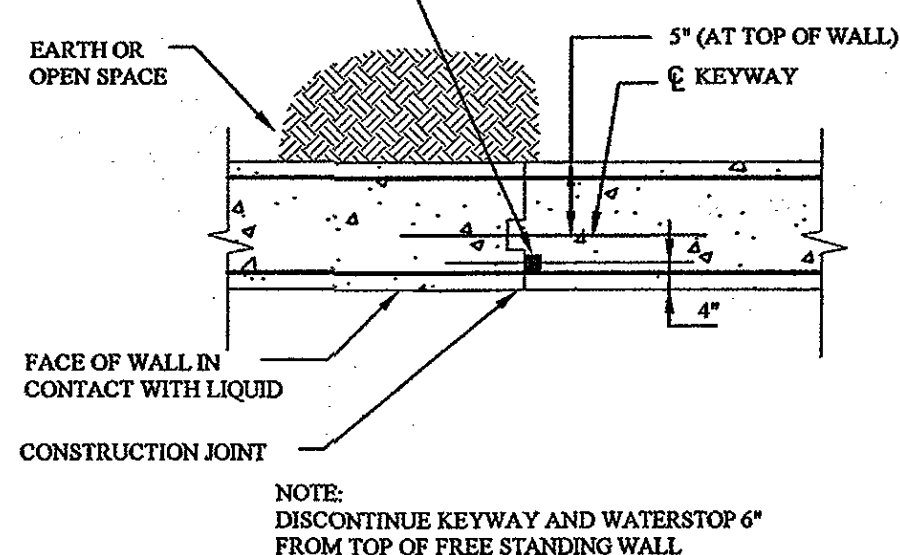
NO SCALE



ELEVATED SLAB



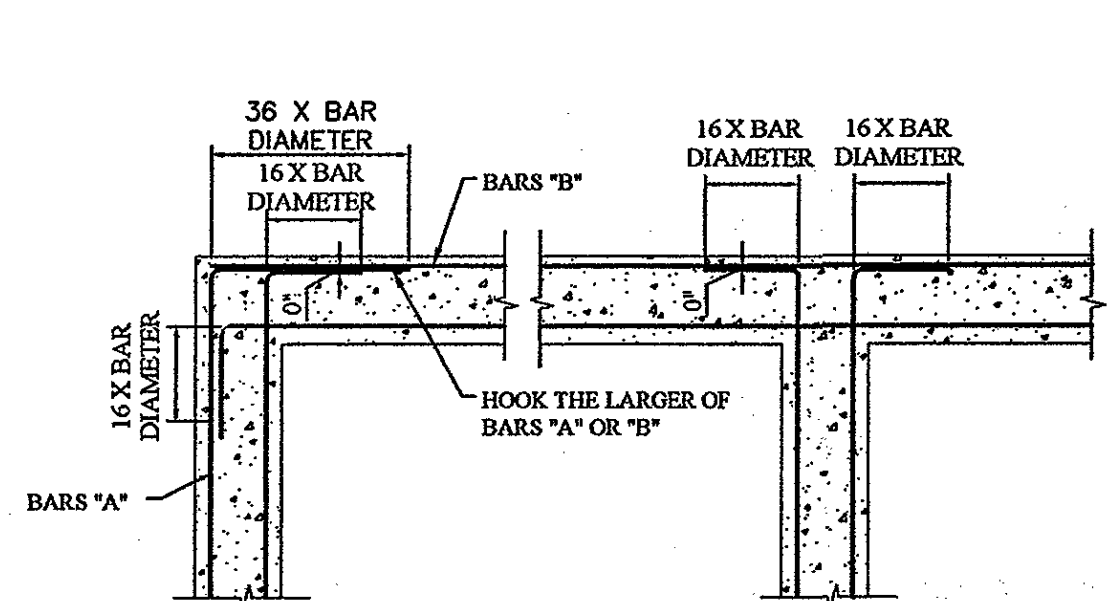
BASE SLAB, FOOTING



WALL

TYPICAL VERTICAL CONSTRUCTION JOINT DETAILS

NO SCALE



CORNER

INTERSECTION

TYPICAL DETAILS SHOWING CONTINUOUS REINFORCING AT CONERS & INTERSECTIONS

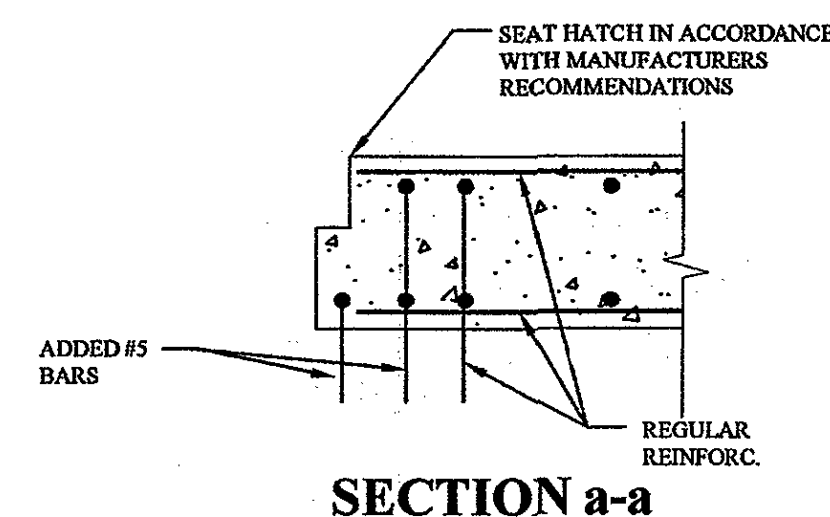
NO SCALE

TYPICAL DETAIL SHOWING REINFORCING AT OPENINGS IN CONCRETE WALLS (OPNG > 1'-6")

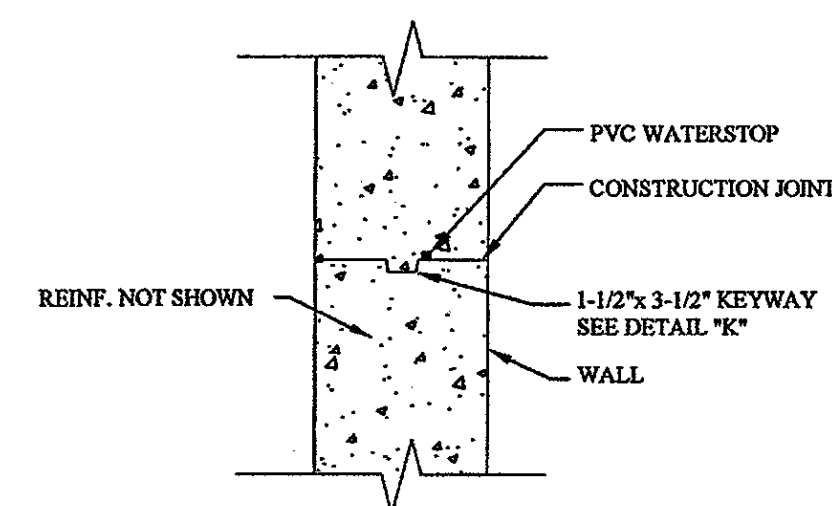
NO SCALE

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

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" OC
5 1/2" TO 8" — #4 @ 12" OC
8" TO 12" — #5 @ 12" OC



SECTION a-a

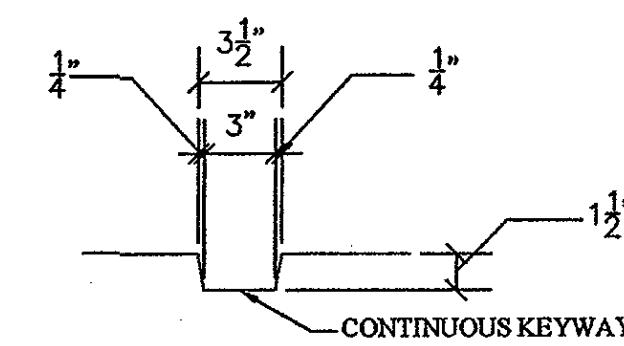


NOTES:

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.

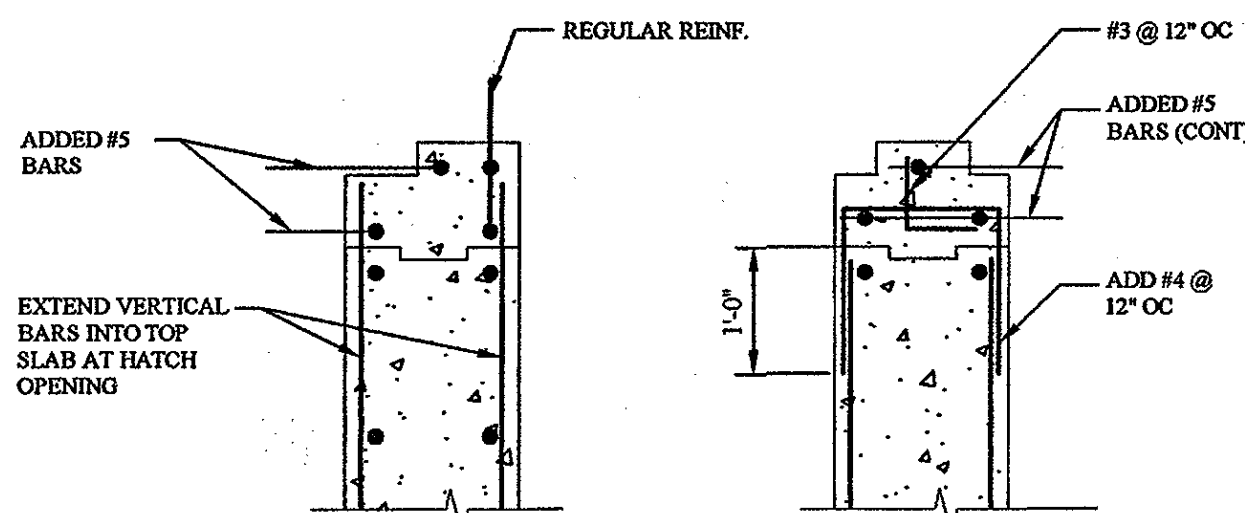
TYPICAL WATERSTOP DETAIL

NO SCALE



DETAIL 'K'

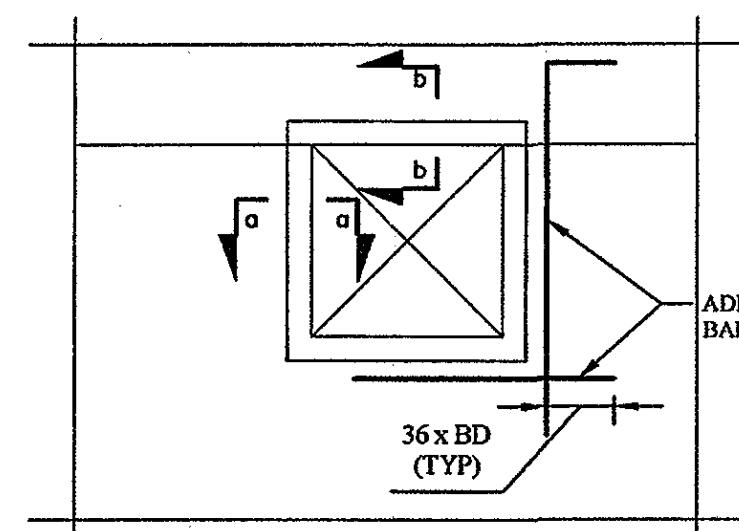
NO SCALE



SINGLE HATCH

DOUBLE HATCH

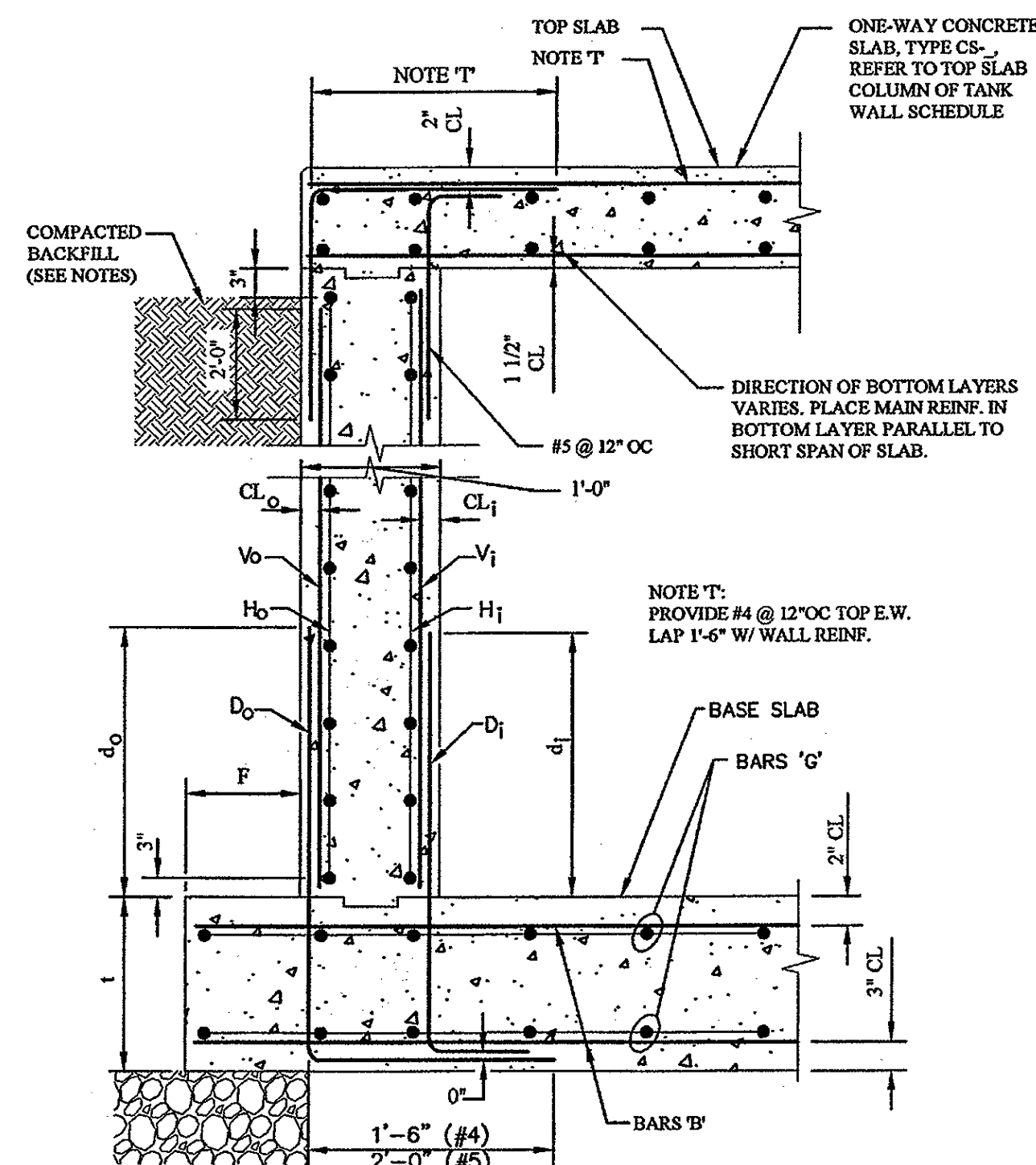
SECTION b-b



PLAN

TYPICAL DETAILS FOR HATCH OPENING IN TOP SLAB

NO SCALE



SECTION

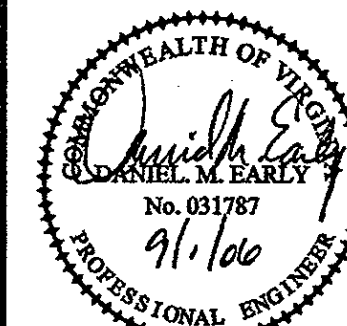
NO SCALE

3

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. "CL₀" AND "CL₁" 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 ₀	d ₁	d ₀	v ₀	H ₀	D ₁	V ₁	H ₁	CL ₀	CL ₁	B	G	TOP SLAB
PUMP STATION	3	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 SEE NOTE #6



ACS DESIGN

ENGINEERING • SURVEYING
LANDSCAPE ARCHITECTURE
CONSTRUCTION MANAGEMENT

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The Coves at Smith Mountain Lake
Optima Properties-Smith Mountain Lake, LLC
Franklin County, Virginia

DRAWN BY: AH
DESIGNED BY: AH
CHECKED BY: DME
DATE: 01 MAY 2006
JOB NUMBER: 05271

REVISIONS:	
No. 1	6/11/07
No. 2	Final for construction
No. 3	
No. 4	

SHEET NO:
C6.7

BioWheel
Plan