

Top Slab "A"	
Cover Depth	Maintenance Hole Dia (in)
6" to 15"	48
T (in)	8
Reinforcement	refer to diagram


Top Slab "B"								
Cover Depth	Maintenance Hole Diameter (in)							
6" to 22"	60	72	84	96	108	120	132	144
T (in)	9	10	11	12	N/A			
"A" Bars (under)	No 5 @ 7"	No 5 @ 7"	No 5 @ 7"	No 5 @ 6"	N/A			
"B" Bars (over)	No 5 @ 7"	No 5 @ 7"	No 5 @ 7"	No 5 @ 6"	N/A			

Top Slab "C"	
Cover Depth	Maintenance Hole Dia (in)
6" to 22"	48
T (in)	10
"A" Bars (under)	No 5 @ 4" long
"B" Bars (over)	No 5 @ 4" diag**

Top Slab "D"								
Cover Depth	Maintenance Hole Diameter (in)							
6" to 22"	60	72	84	96	108	120	132	144
T (in)	10	10	11	12	12	12	14	14
"A" Bars (under)	No 5 @ 8"	No 5 @ 7"	No 5 @ 6"	No 5 @ 6"	No 6 @ 8"	No 6 @ 7"	No 6 @ 8"	No 6 @ 7"
"B" Bars (over)	No 5 @ 8"	No 5 @ 7"	No 5 @ 6"	No 5 @ 6"	No 6 @ 8"	No 6 @ 7"	No 6 @ 8"	No 6 @ 7"
Temperature Reinforcement	N/A						No. 4 @ 12" E.W.	No. 4 @ 12" E.W.

NOTE:

** See detail drawings for reinforcement layout.

<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.</p>	<p>Manufacturing Standards for Precast Concrete Products</p>		<p>Appendix A</p>	
	<p>Precast Concrete Maintenance Hole - Top Slabs "A" through "D"</p>			
	 <p>Bureau of Environmental Services CITY OF PORTLAND, OREGON</p> <p>_____ Chief Engineer</p>	<p>Calc. Book No. 001</p>	<p>Standard Drawing No. P-148</p>	
<p>Effective Date 01-01-09</p>				