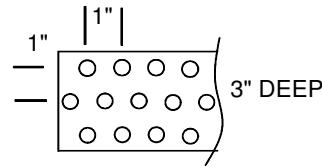
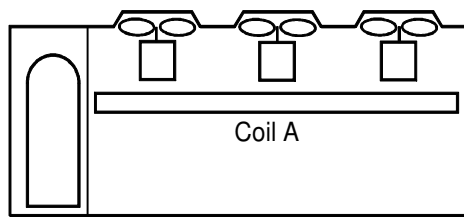
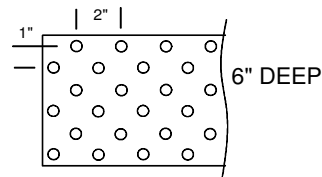
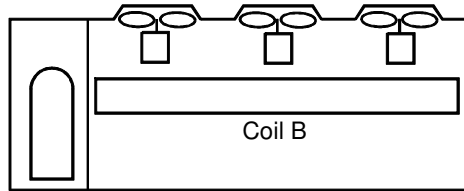


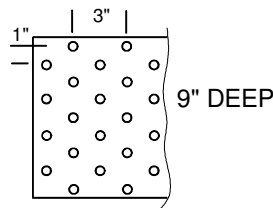
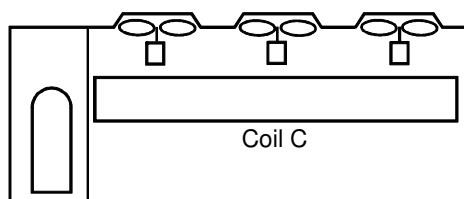
# DEEP Coil Application



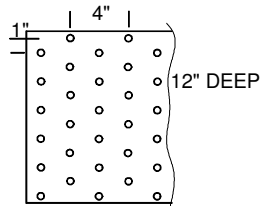
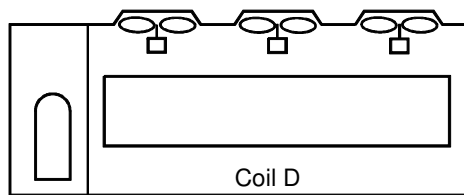
Fan HP - 0.5/ea  
Compressor HP - 5  
Total HP - 8



Fan HP - 0.4/ea  
Compressor HP - 4  
Total HP - 6.4



Fan HP - 0.3/ea  
Compressor HP - 3.2  
Total HP - 5



Fan HP - 0.25/ea  
Compressor HP - 2.56  
Total HP - 4

	Coil A	Coil B*	Coil C	Coil D
Tube Spacing, inches	1 x 1	2 x 1	3 x 1	4 x 1
Fin Density, fpi	16	8	5 1/3	4
Tube Rows	3	6	9	12
Coil Thickness, Inches	3	6	9	12
Coil Surface Area, sq ft	4 x 8, 32	same	same	same
Total Tube length, ft.	1152	same	same	same
Total Fin Surface, sq. ft.	1536	same	same	same
No. of Fans	6	same	same	same
Total CFM, FPM	same	same	same	same
Dwell Time	x 1	x 2	x 3	x 4
Air resistance, 500 fpm, in. of water	0.32	0.10	0.04	0.03
H.P./Fan	0.5	0.4	0.3	0.25
Total Fan H.P.	3	2.4	1.8	1.5
No. of Compressors	1	1	1	1
Fluid Resistance (Inside Tube)	x 1	x 0.8	x 0.64	x 0.51
Compressor H.P.	5	4	3.2	2.56
Total H.P. (fan+compressor)	8	6.4	5	4.0
Total Energy Savings Relative to coil A	--	20%	37 1/2%	50%
Total Heat Transfer Capacity	same	same	same	same