CALCULATION OF TOTAL DYNAMIC HEAD IN POOL AND SPA RECIRCULATION SYSTEMS

FACILI	ΓΥ NAME:			
FACILI	TY ADDRESS:			
1.	swimming lagoons; (b) 4 hours f use is other than as a splash po	by filter) are: (a) 6 hours for swimming pools for wave pools, watercourse rides, activity pool (such as a large swimming pool with one 0 minutes for spas and wading pools; (e) 4 to 2 minutes for spas and wading pools;	oools, and splash pools whe slide); (c) 1 hour for splas	ose main sh pools and
2.	Head loss data is required for al	I system components.		
3.	Use head loss data provided in I District or submit manufacturer's	HYDRAULICS CALCULATION GUIDE prosengineering specifications.	vided by the Clark County	Health
4.	Leaflets, catalogs, brochures, or for all recirculation equipment.	other descriptive material, including pump	performance curves, must	t be provided
5.	Assemble the CALCULATIONS OF TOTAL DYNAMIC HEAD by using as many pages as required. Always include This Cover PAGE, MINIMUM/DESIGN FLOW WORKSHEET, MAIN DRAIN PIPING, MAIN SKIMMER PIPING, INDIVIDUAL SKIMMER PIPING, section A all skimmers, section B (the skimmer, or skimmers with the most restriction only), FACEPIPING, HEATER PIPING (if a heater will be installed), MAIN INLET PIPING, INLET PIPING, section A for all inlets, section B (the inlet, or inlets with the most restriction only) and/or INLET PIPING for (floor inlet, or inlets with the most restriction). Include sections A and B for the floor inlet with the most restriction and a Section A and B for the wall inlet with the most restriction, if both floor and wall inlets are used in the same recirculation system, it the main inlet or skimmer line is teed there will be more than one inlet section B to be calculated. If the inlets run from the main run in linear loop one section b is required. Include a FINAL CALCULATIONS page. Assemble the pages in order, number them in the spaces provided at the bottom of each page. Use the design flow calculations with the corresponding forms provided and the frictions losses and equations found in the HYDRAULICS CALCULATIONS GUIDE to complete these forms. (For Remodels assemble the forms as needed as an addendum to the original Hydraulic Analysis located in the Archived file.) As a bare minimum the final calculations page must be submitted with the new total dynamic head and flow rates. Pages for each change should also be included, such as, face piping page for the addition or change in multiport valves and filters and accompanying pipe. Skimmer or inlet pages as necessary during major remodeling must be submitted as per the above instructions. Heater pages for a change in model/manufacturer and BTU'S output. The head loss must be accounted for. Any change in pipe diameter, or equipment can have a affect on the total dynamic head and the pump capabilities.			
		POOL CONTRACTOR'S LICENSE NUMB	ER	
		Signature of ☐ architect, ☐ engineer or	—————————————————————————————————————	
*****	Seal	Print or type name	******	Date
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CLARK COUNTY HEALTH DISTRICT APPROVAL BY:				
DATE:				
APPROVAL IS NOT INTENDED TO CONVEY APPROVAL FOR ANY MISTAKE OR OMISSIONS CONTAINED HEREIN. PROPER DEVELOPMENT IS THE RESPONSIBILITY OF THE VARIOUS PARTIES CONCERNED AND ALL APPLICABLE LAWS, RULES, AND REGULATIONS SHALL BE STRICTLY ADHERED TO.				