## Sheet1

Capacities fo	r On Demand S	team Boilers			
Water to Steam Volumetric Conversion			1700 Cuft Steam per Cuft water (liquid)		
Density of water Specific Gravity of Steam		62.4 lb per cuft water (liquid) 26.8 cuft/lb steam at 0PSI at 212 f			
		SF20	Boiler Model SF50	SF100	
Steam Output (lb/hr)		680	1725	3450	
Fuel Consumption (LPH)		5.65	14	28	
Steam Output (lb/min)		11.33	28.75	57.50	
Steam Output (cuft/min)		303.73	770.50	1541.00	
Water Input	(cuft/min)	0.178666667	0.453235294	0.906470588	
2500 Square	foot house with	8' Ceiling			
Theoretical ti	me to flood and	open concept b	ouilding		
		65.85	25.96	12.98 (min)	
Water volume	e used	11.76	11.76	11.76 (cuft)	
Operation of	boiler for one ho	our produces			
- 1		18224	46230	92460 (cuft)	
15' sidewall v	varehouse that v	vould be filled i	n one hour		
		1214.93	3082.00	6164.00 (sqft)	
	40' X	30.37	77.05	154.10	
	50' X	24.30	61.64	123.28	
	60' X	20.25	51.37	102.73	
	70' X	17.36	44.03	88.06	
	80' X	15.19	38.53	77.05	
	90' X	13.50	34.24	68.49	
	100' X	12.15	30.82	61.64	
8' sidewall bu	ilding that would	d be filled in one	e hour		
		2278	5778.75	11557.5 sqft	
how many ho	uses that works saft	out to per hou	ſ		
	1500	1.52	3.85	7.71	
	1750	1.30	3.30	6.60	
	2000	1.14	2.89	5.78	
	2500	0.91	2.31	4.62	
	3000	0.76	1.93	3.85	