

DAR AL-HANDASAH Shair and Partners	DESIGN CALCULATION SHEET	Project No. GHENIA	Date 21/2/2006
		Sheet No. 1 of 1	Computed by M A-bakry
Subject		Checked by	Approved by A-bakry
Application Type Apartment House			
Qty Fixtures Selected			
	Bathtubs	*	20 gph = 0 gph
	Kitchen Sinks	*	10 gph = 0 gph
30	Private Lavatory	*	2 gph = 60 gph
	Public Lavatory	*	4 gph = 0 gph
15	Showers	*	30 gph = 450 gph
CALCULATION RESULTS			
Possible Maximum Demand:		510 gph	
Demand Factor:		0.3	
Probable Maximum Demand:		153 gph	
Heater Recovery Capacity:		153 gph	

Storage Factor: 1.25

Storage Tank Capacity: 191.25 gal

Hot Water Tank Inlet / Outlet Temperatures:

T in (Deg F): 41

T out (Deg F): 140

Heater or Coil Capacity: 126225 Btu/hr
36.994431 KW