

FIXTURE CALCULATOR

SYSTEM SIZING WORKSHEET

FIXTURE COUNT CALCULATION CHART					
FIXTURE TYPE	FIXTURE UNIT	X	# OF FIXTURES		TOTAL UNITS
Bath tub	2	X		=	
Bidet	2	X		=	
Clothes Washer	2	X		=	
Dishwasher (additional)	2	X		=	
Lavatory, single	1	X		=	
Lavatory, double in master bedroom	1	X		=	
Shower, single stall	2	X		=	
Sink, bar	1	X		=	
Sink, kitchen inc. dishwasher	2	X		=	
Sink, service	3	X		=	
Utility tub or sink	2	X		=	
Toilet 1.6 gpf	3	X		=	
Toilet >1.6 to 3.2 gpf	4	X		=	
Toilet >3.2 gpf	6	X		=	
TOTAL FIXTURE UNITS					

SYSTEM DESIGN FLOW CHART (circle bedrooms & appropriate design flow)			
# OF BED-ROOMS	FIXTURE COUNT	MINIMUM TANK SIZE (gal)	SYSTEM DESIGN FLOW (gpd)
1	7 or less	1000	150
	more than 7	1000	300
2	14 or less	1000	300
	More than 14	1000	450
3	21 or less	1000	450
	More than 21	1250	600
4	28 or less	1250	600
	More than 28	1500	750
5	35 or less	1500	750
	More than 35	2000	900
6	42 or less	2000	900
	More than 42	2500	1050
7	49 or less	2500	1050
	More than 49	3000	1200
8	56 or less	3000	1200
	More than 56	3000	1350

Items in BOLD are the most commonly used

“Bedroom” means, for the purposes of determining design flow for an on-site wastewater treatment facility for a dwelling, any room has:

- A floor space of at least 70 square feet in area, excluding closets;
- A ceiling height of at least 7 feet;
- Electrical service and ventilation;
- A closet or area where a closet could be constructed;
- At least one window capable of being opened and used for emergency egress; and
- A method of entry and exit into the room which allows it to be considered distinct from other rooms in the dwelling to afford a level of privacy customarily expected for such a room.

Bedroom / Equivalent Worksheet	
Room Type	Number of Rooms
Bedroom	
Den	
Office	
Other:	
Other:	
Total:	