

CITY OF BULLHEAD CITY
DRAINAGE FIXTURE UNIT REU CALCULATION (Manual Fill)
(EXCEL version available upon request)

PROJECT NAME:	PROJECT ADDRESS:

TABLE 709.1, 2018 IPC

DRAINAGE FIXTURE UNITS FOR FIXTURES AND GROUPS

		DRAINAGE		ENTER		TOTAL
FIXTURE TYPE	NOTES	FIXTURE UNIT		# OF NEW		FIXTURE
		VALUE		FIXTURES		UNITS
Automatic clothes washers, commercial	a, g	3	x		=	
Automatic clothes washers, residential	g	2	x		=	
Bathroom group as defined in Section 202 (1.6 gpf water closet)	f	5	x		=	
Bathroom group as defined in Section 202 (water closet flushing greater than 1.6 gpf)	f	6	x		=	
Bathtub (with or without overhead shower or whirlpool attachments)	b	2	x		=	
Bidet		1	x		=	
Combination sink and tray		2	x		=	
Dental lavatory		1	x		=	
Dental unit or cuspidor		1	x		=	
Dishwashing machine, domestic	c	2	x		=	
Drinking fountain		0.5	x		=	
Emergency floor drain		0	x		=	
Floor drains		2	x		=	
Kitchen sink, domestic		2	x		=	
Kitchen sink, domestic with food waste grinder and/or dishwasher		2	x		=	
Laundry tray (1 or 2 compartments)		2	x		=	
Lavatory		1	x		=	
Shower		2	x		=	
Service sink		2	x		=	
Sink		2	x		=	
Urinal	d	4	x		=	
Urinal, 1 gallon per flush or less	d,e	2	x		=	
Urinal, nonwater supplied	d	0.5	x		=	
Wash sink (circular or multiple) each set of faucets		2	x		=	
Water closet, flushometer tank, public or private	d,e	4	x		=	
Water closet, private (1.6 gpf)	d,e	3	x		=	
Water closet, private (flushing greater than 1.6 gpf)	d,e	4	x		=	
Water closet, public (1.6 gpf)	d,e	4	x		=	
Water closet, public (flushing greater than 1.6 gpf)	d,e	6	x		=	

Table 709.2: For fixture types not listed based on fixture drain or trap size (inches)

1 1/4"		1	x		=	
1 1/2"		2	x		=	
2"		3	x		=	
2 1/2"		4	x		=	
3"		5	x		=	
4"		6	x		=	

TOTAL FIXTURES:

TOTAL FIXTURE UNITS:

TOTAL REUs:

(TFU)

(REU=TFU / 15)

(REU - Residential Equivalent Unit, 15 Fixture Units per REU)

For SI: 1 inch = 25.4 mm, 1 gallon = 3.785 L (gpf = gallon per flushing cycle).

- a. For traps larger than 3 inches, use Table 709.2.
- b. A showerhead over a bathtub or whirlpool bathtub attachment does not increase the drainage fixture unit value.
- c. See Sections 709.2 through 709.4 for methods of computing unit value of fixtures not listed in this table or for rating of devices with intermittent flows.
- d. Trap size shall be consistent with the fixture outlet size.
- e. For the purpose of computing loads on building drains and sewers, water closets and urinals shall not be rated at a lower drainage fixture unit unless the lower values are confirmed by testing.
- f. For fixtures added to a dwelling unit bathroom group, add the dfu value of those additional fixtures to the bathroom group fixture count.
- g. See Section 406.3 for sizing requirements for fixture drain, branch drain, and drainage stack for an automatic clothes washer standpipe.