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ESTIMATED BUILDING WATER USAGE AND DRAINAGE
TAYLOR SENIOR SEMINARY

Fixture	Quantity	Waste Fixture Units	Total Waste Fixture Units	Water Fixture Units	Total Water Supply Fixture Units	Cold Water Fixture Units	Hot Water Fixture Units	Total Cold Fixture Units	Total Hot Fixture Units	Uses per hour	Total uses per hour	Volume per use (gallons)	Volume per hour (gallons)	Volume per 4 hour event (gallons)	Volume per 8 hour event (gallons)	Volume per 12 hour event (gallons)
Water Closet (Mens - Flush Valve)	5	4.0	20.0	10.0	50.0	10	0	50	0	2	10	1.6	16	64	128	192
Water Closet (Mens - Tank Type)	0	4.0	0.0	5.0	0.0	10	0	0	0	2	0	1.28	0	0	0	0
Water Closet (Womens - Flush Valve)	5	4.0	20.0	10.0	50.0	10	0	50	0	4	20	1.6	32	128	256	384
Water Closet (Womens - Tank Type)	0	4.0	0.0	5.0	0.0	5	0	0	0	4	0	1.28	0	0	0	0
Urinal (Mens - Flush Valve)	0	2.0	0.0	5.0	0.0	5	0	0	0	4	0	1	0	0	0	0
Lavatory	10	1.0	10.0	2.0	20.0	1.5	1.5	15	15	6	60	0.5	30	120	240	360
Sink (Bar)	0	1.0	0.0	2.0	0.0	1.5	1.5	0	0	0.75	0	1.5	0	0	0	0
Sink (Classroom or Kitchen)	1	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	0.75	0.75	2	2	6	12	18
Service Sink (Janitor)	1	2.0	2.0	3.0	3.0	2.25	2.25	2.25	2.25	0.5	0.5	5	3	10	20	30
Shower	0	2.0	0.0	4.0	0.0	3	3	0	0	0.5	0	30	0	0	0	0
Tub/Shower	0	2.0	0.0	4.0	0.0	5	5	0	0	0.5	0	30	0	0	0	0
Drinking Fountain	2	0.5	1.0	0.3	0.5	0.25	0	0.5	0	5	10	0.1	1	4	8	12
Hose Bibb	2	0.0	0.0	2.0	4.0	2	0	4	0	0.25	0.5	5	3	10	20	30
Ice Machine	1	0.0	0.0	1.0	1.0	1	0	1	0	0	0	0.1	0	0	0	0
Ice Machine		0.0	0.0	1.0	0.0	1	0	0	0	0	0	0.1	0	0	0	0
Dishwasher		8.0	0.0	1.4	0.0	0	1.4	0	0	1	0	8	0	0	0	0
Hand Sink		1.0	0.0	2.0	0.0	1.5	1.5	0	0	5	0	0.75	0	0	0	0
Sink (2 Compartments - 1 Faucet)		2.0	0.0	3.0	0.0	2.25	2.25	0	0	1	0	10	0	0	0	0
Sink (3 Compartments - 2 Faucets)		3.0	0.0	4.0	0.0	3	3	0	0	2	0	20	0	0	0	0
Floor Drain 2"	12	2.0	24.0	0.0	0.0	0	0	0	0	0	0					
Floor Drain 3"		3.0	0.0	0.0	0.0	0	0	0	0	0	0					
Floor Drain 4"		4.0	0.0	0.0	0.0	0	0	0	0	0	0					
Floor Sink 2"		2.0	0.0	0.0	0.0	0	0	0	0	0	0					
Floor Sink 3"		3.0	0.0	0.0	0.0	0	0	0	0	0	0					
Floor Sink 4"		4.0	0.0	0.0	0.0	0	0	0	0	0	0					

Grand Total DFU **55** WSFU **130.5**
GPM **0.0**

Valve Valve
WSFU **124.3** **18.8**
GPM **0.0** **0.0**

Total gallons used **342** **684** **1026**

Water Supply Calculations Based on IPC 2018 Tables E103.3 and Figures E103
Drainage Fixture Calculations Based on IPC 2018 Table 709.1 and Section 710