



3660 Maguire Blvd., Suite 200
Orlando, Florida 32803

Made By: RWS DATE: 11/17/2015
Checked By: _____ DATE: _____

KHA Project Number: 149490001

Enzian Theater Expansion

Sanitary Wastewater Demand Determination

(per O.C.U. Standards and Construction Specifications July 2014)

#	Building	UNITS / AREA(SF)	LEVEL OF SERVICE UNIT		ERU per UNIT	TOTAL ERUs	GPD			GPM		
							ADF	MDF	PHF	ADF	MDF	PHF
Theater (dinner)	Seats	430	1	per Unit	0.067	28.8	8,643	17,286	34,572	6.0	12.0	24.0
		0	1	per Unit	0.000	0.0	0	0	0	0.0	0.0	0.0
		0	1	per Unit	0.000	0.0	0	0	0	0.0	0.0	0.0
	Total					29	8,643	17,286	34,572	6.0	12.0	24.0

ERU is 300 gallons per day
Average Daily Flow (ADF)
Max Daily Flow (MDF) = ADF x 2.0
Peak Hour Flow (PHF) = ADF x 4.0

Peak Hour Flow (PHF) = ADF x Peaking Factor

- i. Peaking Factor of 4.0, for flows up to 100,000 GPD
- ii. Peaking Factor of 3.5, for flows between 100,000 GPD to 250,000 GPD
- iii. Peaking Factor of 3.0, for flows between 250,001 GPD to 1,000,000 GPD
- iv. Peaking Factor of 2.5, for flows greater than 1,000,000 GPD

