

CONCRETE MIX DESIGN							
AREA	F'c AT 28 DAYS (psi)	NOTES	DENSITY	DURABILITY EXPOSURE CATEGORIES AND CLASSES (ACI 318 TABLE 4.2.1.)			NOTES
				FREEZING AND THAWING (F) / WATER CONTACT (W)	SULFATE (S)	PERMEABILITY (P)	
SITE CONCRETE (LIGHT POSTS, FENCE POSTS, ETC.)	3500	MAX w/c = 0.45	NORMAL WEIGHT	F3	S0	P0	C1
WALL FOOTINGS, SPREAD FOOTINGS, & BELOW GRADE PIERS	4000			F1 / W1	S0	P1	C1
SITE RETAINING WALLS	4000	F3		S0	P1	C1	
EXTERIOR SLAB ON GRADE	5000	F3		S0	P0	C2	REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR SLABS
INTERIOR SLAB ON GRADE	4000	F0		S0	P0	C1	FINISH AS INDICATED IN ARCHITECTURAL DRAWINGS PER SPECIFICATION
STRUCTURED SLAB	6000	F0		S0	P0	C0	FINISH AS INDICATED IN ARCHITECTURAL DRAWINGS PER SPECIFICATION
STRUCTURED ROOF SLAB	6000	F2	S0	P0	C0	FINISH AS INDICATED IN ARCHITECTURAL DRAWINGS PER SPECIFICATION	

DESIGN PARAMETER TABLE			
GOVERNING CODES:			2021 INTERNATIONAL BUILDING CODE & 2021 INTERNATIONAL EXISTING BUILDIN...
RISK CATEGORY:			III (ASSUMED BASED ON THE BUILDING'S FUTURE ASSEMBLY OCCUPANCY...
SNOW LOAD:			
	10	Pg	GROUND SNOW LOAD
	9	Pf	FLAT-ROOF SNOW LOAD
	1.1	Ce	SNOW EXPOSURE FACTOR
	1.1	Is	SNOW LOAD IMPORTANCE FACTOR
	1.1	Ct	THERMAL FACTOR (ASSUMED)
	11	Pm	MINIMUM SNOW LOAD FOR LOW-SLOPE ROOFS
WIND LOAD:			
	111	Vult	ULTIMATE DESIGN WIND SPEED
	86	Vasd	NOMINAL DESIGN WIND SPEED
	1.0	I	WIND IMPORTANCE FACTOR
	C		WIND EXPOSURE CATEGORY
	0.18	GCPI	INTERNAL PRESSURE COEFFICIENT
SEISMIC DESIGN:			
	1.25	I	SEISMIC IMPORTANCE FACTOR
	0.237	Ss	SHORT PERIOD SPECTRAL RESPONSE ACCELERATION
	0.111	S1	1-SECOND PERIOD SPECTRAL RESPONSE ACCELERATION
	C		SITE CLASS
	0.206	S(ds)	5-% DAMPED SPECTRAL RESPONSE COEFFICIENT AT SHORT PERIODS
	0.111	S(d1)	5-% DAMPED SPECTRAL RESPONSE COEFFICIENT AT 1-SECOND PERIODS
	B		SEISMIC DESIGN CATEGORY
SEE STRUCTURAL DESCRIPTION ON S0.2. NO STRUCTURAL LATERAL ASSESSMENT OR RETROFIT IS REQUIRED PER IEBG OR ICSSC-RP10.			BASIC SEISMIC FORCE RESISTING SYSTEM



A/E FIRMS PRIME/ARCH: STRATA ARCHITECTURE 1703 OAK STREET, SUITE 100 KANSAS CITY, MO T: 816.474.0900 ENG: SILMAN 211 N 4TH AVE, ANNU, ARBOR, MI T: 734.800.2460	DESIGNED: KH	SUB SHEET NO. <div style="font-size: 2em; font-weight: bold; text-align: center;">01 S0.3</div>	TITLE OF SHEET MAURICE BATHHOUSE DESIGN TABLES REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK	DRAWING NO. 128 182951
	CADD: CM			PMIS/PKG NO. 318915
	TECH. REVIEW: NH			
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