



1 Basement Floor Vintage Key Plan

D. WIND LOAD DESIGN CRITERIA PER BCNYS 1609		
BASIC DESIGN WIND SPEED (3 SECOND GUST), V		120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{all}		95 MPH
RISK CATEGORY		III
EXPOSURE CATEGORY		C
INTERNAL PRESSURE COEFFICIENT, GCP		+/- 0.18
E. SEISMIC DESIGN CRITERIA PER BCNYS 1613		
RISK CATEGORY		III
SEISMIC IMPORTANCE FACTOR, I_e		1.25
MAPPED SPECTRAL RESPONSE ACCELERATION		
AT SHORT PERIODS, S_s		20.1 %g
AT 1 SECOND PERIODS, S_1		5.4 %g
SITE CLASS		D (ASSUMED)
MAPPED SPECTRAL RESPONSE ACCELERATION		
AT SHORT PERIODS, S_{ss}		21.4 %g
AT 1 SECOND PERIODS, S_{s1}		8.7 %g
SEISMIC DESIGN CATEGORY		B
F. SPECIAL LOADS PER BCNYS 1603.1.8		
MECHANICAL EQUIPMENT DEAD LOADS		
RTU-D-2		6755 LB
RCU-D-2		1872 LB
MUA-D-1		2180 LB
RTU-D-1		3335 LB

$$P_1 = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

Drawn By: TS	Date: 06/30/2023	Drawing Number:
Project No.: 17597-22002		DG350