

**FOUNDATION AND BASEMENT FLOOR FRAMING PLAN**  
 1/8" = 1'-0"

FIELD VERIFY ALL EXISTING FOUNDATION DIMENSIONS AND TOP OF CONCRETE ELEVATIONS.

ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

**DESIGN CRITERIA:**

BUILDING CODE INTERNATIONAL BUILDING CODE/2009

**LIVE LOAD**  
 PRIVATE ROOMS AND CORRIDORS SERVING THEM 40 PSF  
 PUBLIC ROOMS AND CORRIDORS SERVING THEM 100 PSF  
 CORRIDORS AND STAIRS 100 PSF

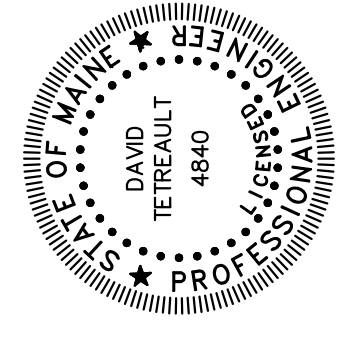
**DEAD LOAD**  
 NEW FLOORS 15 PSF  
 NEW STEEL-FRAMED ROOF 20 PSF  
 NEW WOOD-FRAMED ROOF 15 PSF  
 EXISTING FLOOR AND ROOF 25

**SNOW LOAD**  
 GROUND SNOW LOAD 50 PSF  
 EXPOSURE FACTOR,  $C_e$  1.0  
 THERMAL FACTOR,  $C_t$  1.2  
 IMPORTANCE FACTOR,  $I_s$  1.0  
 FLAT ROOF SNOW LOAD,  $P_f$  42 PSF

**WIND LOAD - NEW ADDITION**  
 BASIC WIND SPEED (3 SEC GUST) 100 MPH  
 IMPORTANCE FACTOR,  $I_w$  1.0  
 HEIGHT & EXPOSURE ADJUST. COEF. 1.16  
 EXPOSURE CATEGORY B  
 BUILDING CATEGORY B

**EARTHQUAKE DESIGN DATA - NEW ADDITION (ASCE 7-02)**  
 OCCUPANCY IMPORTANCE FACTOR,  $I_e$  1.0  
 SEISMIC USE GROUP I  
 SHORT PERIOD SPECTRAL ACCELERATION,  $S_s$  0.375  
 1 SEC PERIOD SPECTRAL ACCELERATION,  $S_1$  0.100  
 SITE CLASS C  
 SHORT PERIOD 5% DAMPED SPECTRAL RESPONSE ACCELERATION,  $S_{ds}$  0.30  
 1 SEC 5% DAMPED SPECTRAL RESPONSE ACCELERATION,  $S_{d1}$  0.11  
 SEISMIC DESIGN CATEGORY B  
 BASIC SEISMIC FORCE RESISTING SYSTEM B

RESPONSE MODIFICATION FACTORS,  $R$   
 DEFLECTION AMPLIFICATION FACTORS,  $C_d$   
 SYSTEM OVERSTRENGTH FACTORS,  $\Omega_0$   
 ANALYSIS PROCEDURE  
 BASE SHEAR  
 ORDINARY MOMENT FRAME E-W  
 LIGHT-FRAMED WALLS WITH WOOD STRUCT PANELS N-S  
 4.5 E-W, 6.5 N-S  
 5.0 E-W, 4.0 N-S  
 2.0 E-W, 3.0 N-S  
 EQUIVALENT LATERAL FORCE PROCEDURE  
 4.6 K N-S, 5.7 K E-W



Prepared For:  
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 GREAT DIAMOND ISLAND, MAINE

Revisions:  
 Issued for Construction 02/03/14

Date: 03 Feb 14  
 Scale: 1/8" = 1'-0"  
**GENERAL NOTES**  
 EXISTING FOUNDATION AND BASEMENT FRAMING PLAN

**S1.1**

