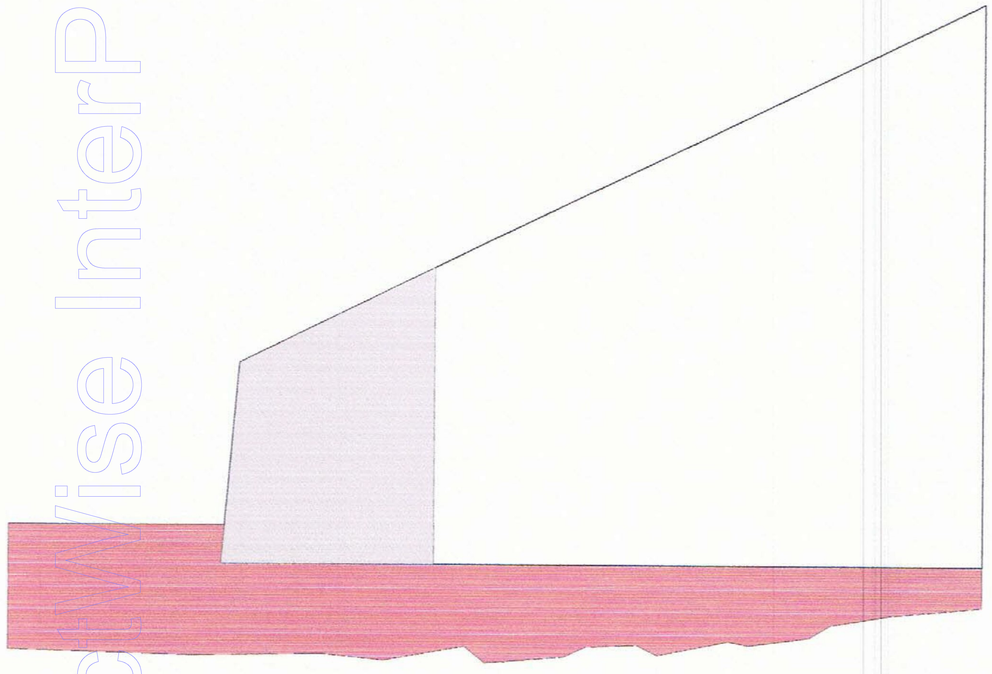
BEARING CAPACITY for GIVEN LAYOUT

	STATIC	SEISMIC	UNITS
(Given factored bearing resistance, q-n)			
Factored bearing resistance, q-n	7000	7000	[lb/ft ²]
Factored bearing load, σ_v	2819.0	3243	[lb/ft ²]
Eccentricity, e	0.21	0.76	[ft]
Eccentricity, e/L	0.019	0.069	
CDR calculated	2.48	2.16	
Base length	11.00	11.00	[ft]

Unfactored applied bearing pressure = (Unfactored R) / [L - 2 * (Unfactored e)] =
Static: Unfactored R = 21763.32 [lb/ft], L = 11.00, Unfactored e = 0.15 [ft], and Sigma = 2032.21 [lb/ft ²]
Seismic: Unfactored R = 22378.07 [lb/ft], L = 11.00, Unfactored e = 0.89 [ft], and Sigma = 2428.47 [lb/ft ²]



SCALE:
0 2 4 6 [ft]