

Certificate of Design Application

| From Designer: Date: Job Name: Address of Construction: | | Ryan Senatore Architecture | | | | |
|--|---|---|---------------------------|--|------------------------|----------------|
| | | 01/16/18 | | | | |
| | | RESIDENCES 155 SHERIDAN STREET | | | | |
| | | | | | | radicos or do. |
| | Cons | 2009 International truction project was designed to t | O | ria listed below: | | |
| Building Code & Year 2009 | | Use Group Classification (s) R-2 , | | , S-2 | | |
| Type of Constru | 4 A | * | / (e) | | | |
| Will the Structure | e have a Fire sup | pression system in Accordance with | Section 903.3.1 of the 20 | 009 IBC YES | 3 | |
| Is the Structure mixed use? If yes, separated or non separated or no | | | parated or non separated | l (section 302.3) | SEPARATE | |
| Supervisory alarm | | Geotechnical/Soils report : | 1 | \/ F 0 | | |
| capervisory marin | | ecoteenment, som report | equired. (See Seedon 18 | | | |
| Structural Design Calculations | | | N/A | Live load reduction | | |
| Submitted for all structural members (106.1 – 106.11) | | | 20 psf | Roof <i>live</i> loads (1603.1.2, 1607.11) | | |
| | | | 42 psf | Roof snow loads (16 | 503.7.3, 1608) | |
| Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807) | | | 60 psf | Ground snow load, P_g (1608.2) | | |
| Floor Area Use | | Loads Shown | 42 psf | If $Pg > 10$ psf, flat-roof snow load pf | | |
| Office | | 50 psf | 1.0 | If $Pg > 10$ psf, snow exposure factor, G | | |
| Partitions in Offices | | | | oad importance factor, $_k$ | | |
| Residential | | 40 psf | 1.0 | Roof thermal factor, $_{C}$ (1608.4) | | |
| Corridors & Public Spaces | | 100 psf | | Sloped roof snowload | | |
| Wind loads (160 | 3.1.4, 1609) | | В | Seismic design category (1616.3) | | |
| Analytic MethodDesign option utilize | | ed (1609.1.1, 1609.6) | Shear Walls | Basic seismic force resisting system (1617.6.2) | | |
| | Basic wind speed (1 | | 6.5 | _Response modification coefficient, R _I and | | |
| Occupancy II, Importance= 1.0 | Building category ar | nd wind importance Factor, h | | deflection amplification factor (1617.6.2) | | |
| Exposure B | Exposure B Wind exposure category (1609.4) | | Equivalent Lateral Force | Analysis procedure (1616.6, 1617.5) | | |
| | | | | Design base shear (161 | | |
| DP 45 | Component and cladding pressures (1609.1.1, 1609.6.2.2) | | | Flood loads (1803.1.6, 1612) | | |
| Main force wind pressures (7603.1.1, 1609.6.2.1) | | | ` | Flood Hazard area (16 | 512.3) | |
| Earth design da | ta (1603.1.5, 162 | 14-1623) | | Elevation of structure | • | |
| Equivalent Lateral Force | Design option utiliz | ed (1614.1) | Other loads | | | |
| 1 Seismic use group ("Category") | | | | Concentrated loads (1607.4) | | |
| SDs=.306, SD1=.121 Spectral response coefficients, SDs & SD1 (1615.1) | | | · · | Partition loads (1607.5) | | |
| D | Site class (1615.1.5) | | | Misc. loads (Table 1607 1607.12, 1607.13, 1610, | 7.8, 1607.6.1, 1607.7, | |