Certificate of Design Application

From Designer:	Dana C. Sturtevant P.E. #3107
Date:	04/25/2013
Job Name:	Bristol Seafood
Address of Construction:	5 Portland Fish Pier, Portland, ME 04112

2009 International Building Code
Construction project was designed to the building code criteria listed below:

Building Code & Year __MUBEC 2009__ Use Group Classification (s) __F-2__

Type of Construction __Minor Renovations__

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC __No__

Is the Structure mixed use? __Yes__ If yes, separated or non separated or non separated (section 302.3) __Separated__

Supervisory alarm System? __Yes__ Geotechnical/Soils report required? (See Section 1802.2) _____

Structural Design Calculations
__Yes__ Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)
Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
Catwalk - 4'	68 #/sq ft Live & Dead

Wind loads (1603.1.4, 1609)
__N/A__ Design option utilized (1609.1.1, 1609.6)
____ Basic wind speed (1809.3)
____ Building category and wind importance Factor,I_w table 1604.5, 1609.5)
____ Wind exposure category (1609.4)
____ Internal pressure coefficient (ASCE 7)
____ Component and cladding pressures (1609.1.1, 1609.6.2.2)
____ Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)
__N/A__ Design option utilized (1614.1)
____ Seismic use group ("Category")
____ Spectral response coefficients, SD_s & $SD1$ (1615.1)
____ Site class (1615.1.5)

____ Live load reduction __N/A__
____ Roof *live* loads (1603.1.2, 1607.11)
____ Roof snow loads (1603.7.3, 1608)
____ Ground snow load, P_g (1608.2)
____ If $P_g > 10$ psf, flat-roof snow load P_f
____ If $P_g > 10$ psf, snow exposure factor, C_e
____ If $P_g > 10$ psf, snow load importance factor,I_s
____ Roof thermal factor, C_t (1608.4)
____ Sloped roof snowload,P_s(1608.4)
____ Seismic design category (1616.3)
____ Basic seismic force resisting system (1617.6.2)
____ Response modification coefficient,R_i and deflection amplification factorC_d (1617.6.2)
____ Analysis procedure (1616.6, 1617.5)
____ Design base shear (1617.4, 16175.5.1)

Flood loads (1803.1.6, 1612)
__N/A__ Flood Hazard area (1612.3)
__N/A__ Elevation of structure

Other loads
____ Concentrated loads (1607.4)
__2 Point Load__ Partition loads (1607.5)
__@1000#/door__ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404