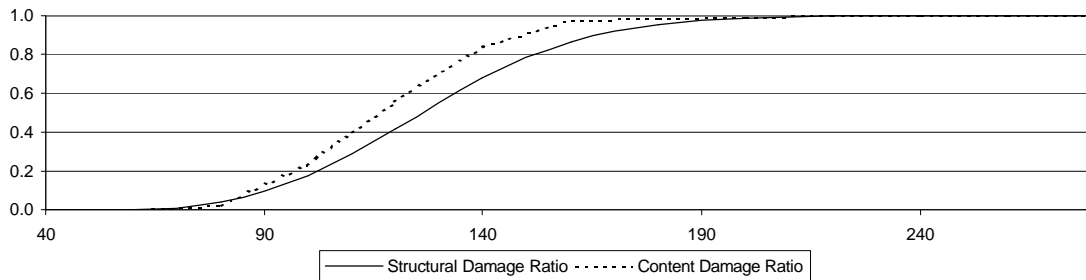


APPENDIX IV: SECTION 3.0
VULNERABILITY CURVES FOR ST. KITTS AND NEVIS BUILDINGS

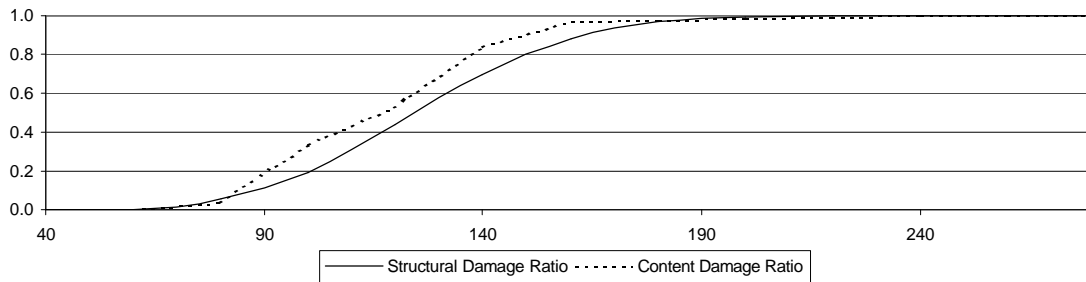
**Table A4-9. Police & Fire Stations in St. Kitts
(Building Type SK-1: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000026
70	0.012625	0.002518
80	0.043356	0.020919
90	0.098384	0.083343
100	0.177853	0.230837
110	0.284534	0.421667
120	0.419059	0.562084
130	0.558191	0.701589
140	0.678835	0.836131
150	0.780153	0.939209
160	0.862140	0.976827
170	0.919788	0.978676
180	0.953264	0.980591
190	0.972955	0.984474
200	0.986337	0.989805
210	0.994787	0.994248
220	0.998151	0.997051
230	0.998857	0.998679
240	0.999348	0.999517
250	0.999668	0.999874
260	0.999880	0.999984
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



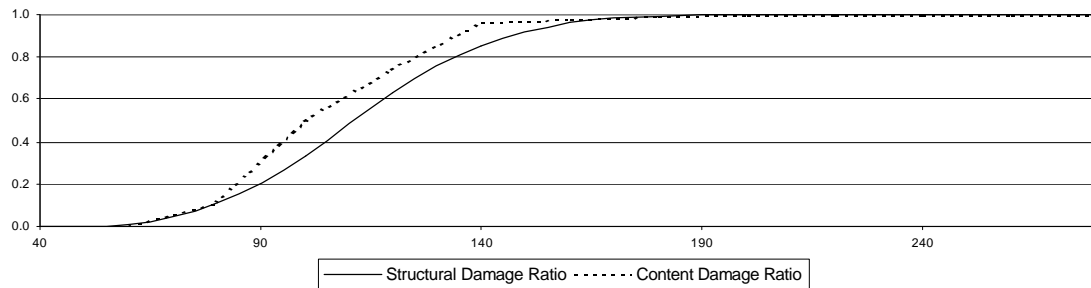
**Table A4-10. Hospitals & Health Centers in St. Kitts
(Building Type SK-2: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.003624	0.000255
70	0.020216	0.007133
80	0.054181	0.043384
90	0.111843	0.150190
100	0.195079	0.336666
110	0.307593	0.461488
120	0.439133	0.528074
130	0.575038	0.652757
140	0.698088	0.836694
150	0.801973	0.943687
160	0.883162	0.970420
170	0.935901	0.977390
180	0.967005	0.978843
190	0.983103	0.980827
200	0.992237	0.984633
210	0.996038	0.989719
220	0.997377	0.994017
230	0.998251	0.996802
240	0.998840	0.998478
250	0.999265	0.999389
260	0.999594	0.999813
270	0.999826	0.999966
280	0.999961	0.999998
290	1.000000	1.000000
300	1.000000	1.000000



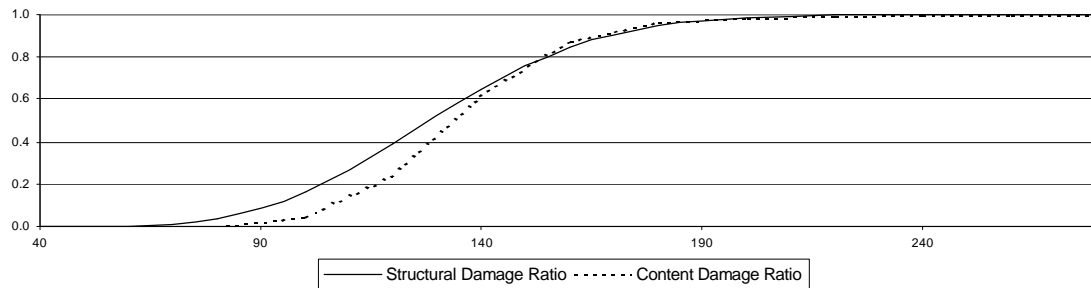
**Table A4-11. Hospitals & Health Centers in St. Kitts
(Building Type SK-3: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000221	0.000001
60	0.011020	0.001922
70	0.044604	0.023386
80	0.107293	0.108021
90	0.201658	0.309612
100	0.332341	0.499109
110	0.486025	0.611021
120	0.630500	0.743369
130	0.754645	0.901183
140	0.854226	0.963960
150	0.921852	0.976305
160	0.961148	0.981178
170	0.981577	0.986566
180	0.993209	0.992708
190	0.998022	0.996579
200	0.998979	0.998656
210	0.999446	0.999604
220	0.999771	0.999932
230	0.999955	0.999997
240	1.000000	1.000000
250	1.000000	1.000000
260	1.000000	1.000000
270	1.000000	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



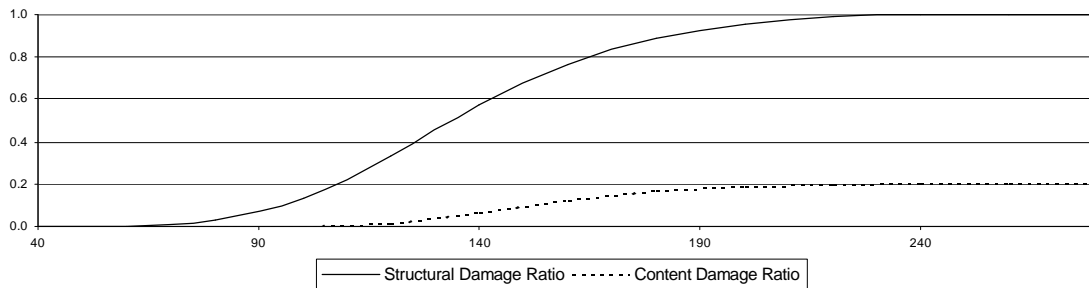
**Table A4-12. General Buildings in St. Kitts
(Building Type SK-4: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012161	0.000000
80	0.039224	0.000659
90	0.088620	0.010082
100	0.161360	0.040869
110	0.260150	0.108997
120	0.386048	0.232821
130	0.523711	0.412051
140	0.649532	0.617403
150	0.757122	0.775885
160	0.846466	0.873692
170	0.912676	0.934071
180	0.952013	0.960970
190	0.972490	0.974152
200	0.985986	0.982779
210	0.994564	0.989847
220	0.998069	0.994830
230	0.998857	0.997683
240	0.999348	0.999152
250	0.999668	0.999779
260	0.999880	0.999971
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



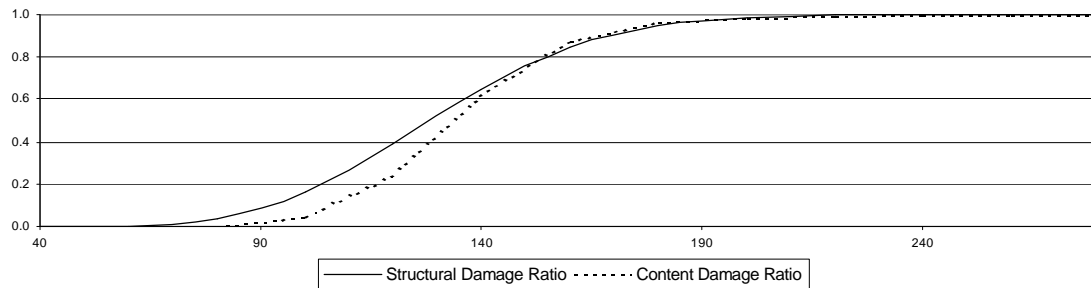
**Table A4-13. Public Markets in St. Kitts
(Building Type SK-5: 1 Story Commercial Steel)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.000162	0.000000
70	0.006314	0.000000
80	0.027524	0.000008
90	0.068878	0.000444
100	0.130518	0.002134
110	0.216821	0.006100
120	0.330958	0.013950
130	0.456463	0.032855
140	0.570927	0.063301
150	0.673460	0.097159
160	0.764059	0.128271
170	0.837875	0.151912
180	0.891797	0.167522
190	0.929540	0.178898
200	0.958143	0.188705
210	0.978574	0.196543
220	0.990677	0.201703
230	0.996807	0.204719
240	0.999331	0.206318
250	0.999668	0.206948
260	0.999880	0.207395
270	0.999987	0.207627
280	1.000000	0.207657
290	1.000000	0.207657
300	1.000000	0.207657



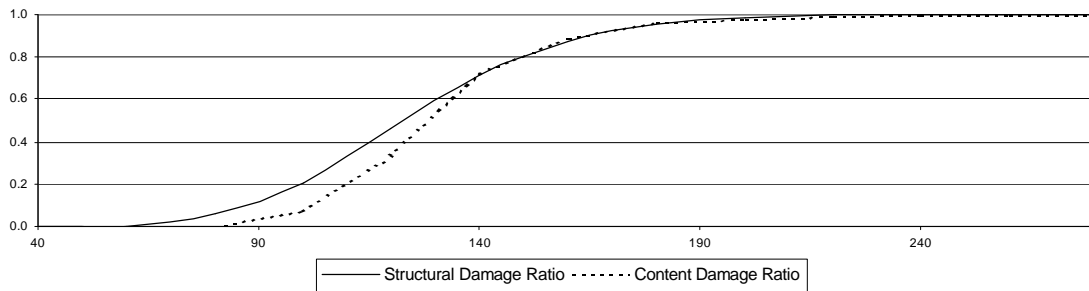
**Table A4-14. Schools in St. Kitts
(Building Type SK-6: 1 - 2 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012161	0.000000
80	0.039224	0.000659
90	0.088620	0.010082
100	0.161360	0.040869
110	0.260150	0.108997
120	0.386048	0.232821
130	0.523711	0.412051
140	0.649532	0.617403
150	0.757122	0.775885
160	0.846466	0.873692
170	0.912676	0.934071
180	0.952013	0.960970
190	0.972490	0.974152
200	0.985986	0.982779
210	0.994564	0.989847
220	0.998069	0.994830
230	0.998857	0.997683
240	0.999348	0.999152
250	0.999668	0.999779
260	0.999880	0.999971
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



**Table A4-15. Airports in St. Kitts
(Building Type SK-7: 1 - 2 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.003570	0.000000
70	0.020409	0.000000
80	0.057657	0.003375
90	0.120400	0.022572
100	0.208781	0.073888
110	0.325525	0.178353
120	0.462462	0.329984
130	0.596268	0.535969
140	0.710225	0.719012
150	0.803572	0.819930
160	0.876342	0.886243
170	0.923936	0.935684
180	0.952510	0.960989
190	0.971669	0.973146
200	0.985054	0.980140
210	0.993582	0.985776
220	0.997218	0.991418
230	0.998186	0.995412
240	0.998839	0.997818
250	0.999265	0.999124
260	0.999594	0.999732
270	0.999826	0.999951
280	0.999961	0.999998
290	1.000000	1.000000
300	1.000000	1.000000



**Table A4-16. Government Buildings in St. Kitts
(Building Type SK-8: Commercial Steel)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012625	0.000000
80	0.043356	0.000659
90	0.098384	0.010082
100	0.177853	0.040869
110	0.284499	0.108997
120	0.418950	0.251190
130	0.557970	0.488274
140	0.678462	0.694752
150	0.779589	0.810208
160	0.861346	0.883702
170	0.918888	0.935394
180	0.952417	0.961025
190	0.972201	0.974784
200	0.985715	0.983719
210	0.994336	0.990738
220	0.997910	0.995287
230	0.998791	0.997888
240	0.999348	0.999227
250	0.999668	0.999799
260	0.999880	0.999974
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000

