



Summary Report

Model File: Design using Eurocode, Revision 0
2/8/2021

1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Definitions

| Tower | Name | Height m | Master Story | Similar To | Splice Story | Color |
|-------|--------|----------|--------------|------------|--------------|-----------|
| T1 | 16 | 3.5 | Yes | None | No | Cyan |
| T1 | 15 | 3.5 | Yes | None | No | Cyan |
| T1 | 14 | 3.5 | Yes | None | No | Cyan |
| T1 | 13 | 3.5 | Yes | None | No | Cyan |
| T1 | 12F RF | 3.5 | No | 13 | No | Red |
| T1 | 11F RF | 3.5 | No | 13 | No | Magenta |
| T1 | 10F RF | 3.5 | No | 13 | No | Yellow |
| T1 | 9F RF | 3.5 | No | 13 | No | Gray8Dark |
| T1 | 8F RF | 3.5 | No | 13 | No | Blue |
| T1 | 7F RF | 3.5 | No | 13 | No | Green |
| T1 | 6F RF | 3.5 | No | 13 | No | Cyan |
| T1 | 5F RF | 3.5 | No | 13 | No | Red |
| T1 | 4F RF | 3.5 | No | 13 | No | Magenta |
| T1 | 3F RF | 3.5 | No | 13 | No | Yellow |
| T1 | 2F RF | 3.5 | No | 13 | No | Gray8Dark |
| T1 | 1F RF | 3.5 | No | 13 | No | Blue |

2 Loads

This chapter provides loading information as applied to the model.

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

| Name | Is Auto Load | Type | Self Weight Multiplier | Auto Load |
|--------------|--------------|---------|------------------------|----------------|
| ~LLRF | Yes | Other | 0 | |
| Dead | No | Dead | 1 | |
| Earthquake+x | No | Seismic | 0 | EUROCODE8 2004 |
| Earthquake+y | No | Seismic | 0 | EUROCODE8 2004 |
| FF | No | Dead | 1 | |
| Live | No | Live | 0 | |
| PW | No | Dead | 1 | |

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - Eurocode8-2004 (Part 1 of 2)

| Name | Period sec | Value | Country | Direction | Ag | Spectrum Type | Ground Type | S | Tb sec |
|--------------------------|------------|----------|-------------|------------|-----|---------------|-------------|-----|--------|
| Target Response Spectrum | 0 | 0.32 | CEN Default | Horizontal | 0.4 | 1 | B | 1.2 | 0.15 |
| Target Response Spectrum | 0.05 | 0.413333 | | | | | | | |
| Target Response Spectrum | 0.1 | 0.506667 | | | | | | | |
| Target Response Spectrum | 0.15 | 0.6 | | | | | | | |
| Target Response Spectrum | 0.5 | 0.6 | | | | | | | |
| Target Response Spectrum | 0.75 | 0.4 | | | | | | | |
| Target Response Spectrum | 1 | 0.3 | | | | | | | |
| Target Response Spectrum | 1.25 | 0.24 | | | | | | | |
| Target Response Spectrum | 1.5 | 0.2 | | | | | | | |
| Target Response Spectrum | 1.75 | 0.171429 | | | | | | | |
| Target Response Spectrum | 2 | 0.15 | | | | | | | |
| Target Response Spectrum | 3.333 | 0.08 | | | | | | | |
| Target Response Spectrum | 4.667 | 0.08 | | | | | | | |
| Target Response Spectrum | 6 | 0.08 | | | | | | | |
| Target Response Spectrum | 7.333 | 0.08 | | | | | | | |
| Target Response Spectrum | 8.667 | 0.08 | | | | | | | |
| Target Response Spectrum | 10 | 0.08 | | | | | | | |

Table 2.2 - Functions - Response Spectrum - Eurocode8-2004 (Part 2 of 2)

| Tc sec | Td sec | Beta | q | Damping Ratio |
|--------|--------|------|---|---------------|
| 0.5 | 2 | 0.2 | 2 | 0.05 |
| | | | | |
| | | | | |

Table 2.2 - Functions - Response Spectrum - Eurocode8-2004 (Part 2 of 2, continued)

| Tc sec | Td sec | Beta | q | Damping Ratio |
|-----------|-----------|------|---|------------------|
| | | | | |
| | | | | |
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| | | | | |
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2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

| Name | Type |
|----------------|----------------------|
| Modal | Modal - Eigen |
| Dead | Linear Static |
| Live | Linear Static |
| FF | Linear Static |
| PW | Linear Static |
| Earthquake+x | Linear Static |
| Earthquake+y | Linear Static |
| TH-X Load Case | Linear Modal History |
| TH-Y Load Case | Linear Modal History |

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions (Part 1 of 2)

| Output Case | Case Type | Step Type | FX kN | FY kN | FZ kN | MX kN-m | MY kN-m | MZ kN-m |
|----------------|-------------|-----------|------------|------------|-------------|--------------|--------------|-------------|
| Dead | LinStatic | | 3.144E-06 | 5.24E-06 | 92981.2335 | 1127103.8915 | -1458070 | -3.453E-05 |
| Live | LinStatic | | 5.434E-07 | 5.564E-07 | 10674.9911 | 130377.9171 | -160824.7027 | -6.864E-06 |
| FF | LinStatic | | 1.324E-06 | 2.991E-06 | 57749.2335 | 696306.7715 | -898417.9536 | -1.198E-05 |
| PW | LinStatic | | 1.044E-06 | 2.626E-06 | 50208.2535 | 601957.5755 | -786954.8826 | -8.139E-06 |
| Earthquake+x | LinStatic | | -4327.9635 | 7.94E-07 | 7.268E-07 | -0.0001 | -165040.2972 | 54953.6416 |
| Earthquake+y | LinStatic | | -9.065E-07 | -4327.9635 | -2.102E-06 | 165040.2957 | -3.359E-05 | -71688.2766 |
| TH-X Load Case | LinModHist | Max | 3571.065 | 1458.8971 | 9.087E-07 | 21408.4739 | 130464.5371 | 55761.9167 |
| TH-X Load Case | LinModHist | Min | -3389.4468 | -917.9813 | -7.462E-07 | -40920.8271 | -151186.147 | -55222.1919 |
| TH-Y Load Case | LinModHist | Max | 4155.8817 | 1489.9238 | 1.113E-06 | 56790.9018 | 147982.8474 | 70406.5603 |
| TH-Y Load Case | LinModHist | Min | -5011.291 | -1783.1219 | -1.153E-06 | -41436.6981 | -172034.0095 | -65516.8004 |
| UDCon11 | Combination | | 7.442E-06 | 1.466E-05 | 271267.2727 | 3274247.1221 | -4243647 | -0.0001 |
| UDCon12 | Combination | | 8.257E-06 | 1.549E-05 | 287279.7594 | 3469813.9977 | -4484884 | -0.0001 |
| UDCon13 | Combination | Max | 3571.065 | 1458.8971 | 204141.2179 | 2485890.0876 | -3061225 | 55761.9166 |
| UDCon13 | Combination | Min | -3389.4468 | -917.9812 | 204141.2179 | 2423560.7866 | -3342876 | -55222.1919 |
| UDCon14 | Combination | Max | 3389.4468 | 917.9813 | 204141.2179 | 2505402.4408 | -3040504 | 55222.1918 |
| UDCon14 | Combination | Min | -3571.065 | -1458.8971 | 204141.2179 | 2443073.1398 | -3322154 | -55761.9167 |
| UDCon15 | Combination | Max | 4155.8817 | 1489.9238 | 204141.2179 | 2521272.5155 | -3043707 | 70406.5602 |
| UDCon15 | Combination | Min | -5011.291 | -1783.1218 | 204141.2179 | 2423044.9155 | -3363724 | -65516.8005 |
| UDCon16 | Combination | Max | 5011.291 | 1783.1219 | 204141.2179 | 2505918.3118 | -3019656 | 65516.8003 |
| UDCon16 | Combination | Min | -4155.8817 | -1489.9238 | 204141.2179 | 2407690.7119 | -3339673 | -70406.5603 |
| UDCon17 | Combination | Max | 3571.065 | 1458.8971 | 200938.7205 | 2446776.7125 | -3012978 | 55761.9166 |
| UDCon17 | Combination | Min | -3389.4468 | -917.9812 | 200938.7205 | 2384447.4114 | -3294629 | -55222.1919 |
| UDCon18 | Combination | Max | 3389.4468 | 917.9813 | 200938.7205 | 2466289.0657 | -2992256 | 55222.1918 |
| UDCon18 | Combination | Min | -3571.065 | -1458.8971 | 200938.7205 | 2403959.7647 | -3273907 | -55761.9167 |
| UDCon19 | Combination | Max | 4155.8817 | 1489.9238 | 200938.7205 | 2482159.1403 | -2995460 | 70406.5602 |
| UDCon19 | Combination | Min | -5011.291 | -1783.1218 | 200938.7205 | 2383931.5404 | -3315476 | -65516.8005 |
| UDCon20 | Combination | Max | 5011.291 | 1783.1219 | 200938.7205 | 2466804.9367 | -2971408 | 65516.8004 |
| UDCon20 | Combination | Min | -4155.8817 | -1489.9238 | 200938.7205 | 2368577.3368 | -3291425 | -70406.5603 |

Table 3.1 - Base Reactions (Part 2 of 2)

| X m | Y m | Z m |
|--------|--------|--------|
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |

Table 3.1 - Base Reactions (Part 2 of 2, continued)

| X m | Y m | Z m |
|--------|--------|--------|
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |

Table 3.2 - Centers Of Mass And Rigidity

| Story | Diaphragm | Mass X kg | Mass Y kg | XCM m | YCM m | Cum Mass X kg | Cum Mass Y kg | XCCM m | YCCM m | XCR m | YCR m |
|--------|-----------|--------------|--------------|----------|----------|---------------------|---------------------|-----------|-----------|----------|----------|
| 14 | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 13 | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 12F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 11F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 10F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 9F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 8F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 7F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 6F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 5F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 4F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 3F RF | D1 | 0 | 0 | 15.611 | 12.0859 | 0 | 0 | 0 | 0 | | |
| 2F RF | D1 | 0 | 0 | 15.6913 | 12.0023 | 0 | 0 | 0 | 0 | | |
| 1F RF | D1 | 0 | 0 | 15.7127 | 12.0198 | 0 | 0 | 0 | 0 | | |

Table 3.3 - Diaphragm Center Of Mass Displacements

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|-------------|-----------|--------------|----------|----------|-----------|-------|--------|---------|--------|
| 14 | D1 | Dead | LinStatic | | -43.399 | 0.886 | -0.006005 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | Live | LinStatic | | -6.005 | 1.061 | -0.000615 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | FF | LinStatic | | -21.252 | -2.378 | -0.003455 | 1 | 15.611 | 12.0859 | 49 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 14 | D1 | PW | LinStatic | | -18.019 | -4.253 | -0.00306 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | Earthquake+x | LinStatic | | 200.285 | 22.492 | -0.003123 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | Earthquake+y | LinStatic | | 19.73 | 214.609 | 0.003365 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | TH-X Load Case | LinModHist | Max | 170.116 | 22.197 | 0.004527 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | TH-X Load Case | LinModHist | Min | -153.609 | -40.645 | -0.005243 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | TH-Y Load Case | LinModHist | Max | 202.497 | 68.636 | 0.004629 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | TH-Y Load Case | LinModHist | Min | -178.229 | -44.537 | -0.007321 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon11 | Combination | | -111.604 | -7.757 | -0.016903 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon12 | Combination | | -120.611 | -6.166 | -0.017825 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon13 | Combination | Max | 85.644 | 16.769 | -0.008178 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon13 | Combination | Min | -238.08 | -46.073 | -0.017948 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon14 | Combination | Max | 69.137 | 35.218 | -0.007462 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon14 | Combination | Min | -254.587 | -27.624 | -0.017232 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon15 | Combination | Max | 118.025 | 63.209 | -0.008076 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon15 | Combination | Min | -262.7 | -49.965 | -0.020026 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon16 | Combination | Max | 93.757 | 39.11 | -0.005384 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon16 | Combination | Min | -286.968 | -74.064 | -0.017333 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon17 | Combination | Max | 87.446 | 16.451 | -0.007993 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon17 | Combination | Min | -236.279 | -46.391 | -0.017764 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon18 | Combination | Max | 70.939 | 34.899 | -0.007278 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon18 | Combination | Min | -252.785 | -27.942 | -0.017048 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon19 | Combination | Max | 119.827 | 62.891 | -0.007892 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon19 | Combination | Min | -260.898 | -50.283 | -0.019841 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon20 | Combination | Max | 95.559 | 38.792 | -0.0052 | 1 | 15.611 | 12.0859 | 49 |
| 14 | D1 | UDCon20 | Combination | Min | -285.167 | -74.382 | -0.017149 | 1 | 15.611 | 12.0859 | 49 |
| 13 | D1 | Dead | LinStatic | | -40.005 | -2.866 | -0.005725 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | Live | LinStatic | | -5.47 | 0.555 | -0.000588 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | FF | LinStatic | | -19.664 | -4.303 | -0.003303 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | PW | LinStatic | | -16.746 | -5.729 | -0.002924 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | Earthquake+x | LinStatic | | 190.541 | 21.152 | -0.003035 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | Earthquake+y | LinStatic | | 19.293 | 202.217 | 0.003148 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | TH-X Load Case | LinModHist | Max | 158.657 | 20.877 | 0.004382 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | TH-X Load Case | LinModHist | Min | -144.784 | -38.769 | -0.005027 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | TH-Y Load Case | LinModHist | Max | 191.091 | 64.851 | 0.004445 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | TH-Y Load Case | LinModHist | Min | -169.514 | -42.664 | -0.006981 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon11 | Combination | | -103.159 | -17.413 | -0.016134 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon12 | Combination | | -111.364 | -16.581 | -0.017016 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon13 | Combination | Max | 80.602 | 8.145 | -0.007746 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon13 | Combination | Min | -222.839 | -51.501 | -0.017155 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon14 | Combination | Max | 66.729 | 26.037 | -0.0071 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon14 | Combination | Min | -236.712 | -33.608 | -0.01651 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon15 | Combination | Max | 113.036 | 52.119 | -0.007683 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon15 | Combination | Min | -247.569 | -55.396 | -0.019109 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon16 | Combination | Max | 91.459 | 29.932 | -0.005147 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon16 | Combination | Min | -269.145 | -77.583 | -0.016573 | 2 | 15.611 | 12.0859 | 45.5 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|--------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 13 | D1 | UDCon17 | Combination | Max | 82.243 | 7.978 | -0.007569 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon17 | Combination | Min | -221.198 | -51.668 | -0.016979 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon18 | Combination | Max | 68.37 | 25.871 | -0.006924 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon18 | Combination | Min | -235.071 | -33.775 | -0.016333 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon19 | Combination | Max | 114.677 | 51.952 | -0.007506 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon19 | Combination | Min | -245.928 | -55.562 | -0.018932 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon20 | Combination | Max | 93.1 | 29.765 | -0.00497 | 2 | 15.611 | 12.0859 | 45.5 |
| 13 | D1 | UDCon20 | Combination | Min | -267.504 | -77.749 | -0.016397 | 2 | 15.611 | 12.0859 | 45.5 |
| 12F RF | D1 | Dead | LinStatic | | -36.644 | -6.414 | -0.005437 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | Live | LinStatic | | -4.943 | 0.073 | -0.00056 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | FF | LinStatic | | -18.09 | -6.111 | -0.003146 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | PW | LinStatic | | -15.482 | -7.107 | -0.002783 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | Earthquake+x | LinStatic | | 180.245 | 19.795 | -0.002942 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | Earthquake+y | LinStatic | | 18.787 | 189.595 | 0.002921 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | TH-X Load Case | LinModHist | Max | 147.22 | 19.54 | 0.004286 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | TH-X Load Case | LinModHist | Min | -135.508 | -36.864 | -0.004806 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | TH-Y Load Case | LinModHist | Max | 179.767 | 61.01 | 0.004265 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | TH-Y Load Case | LinModHist | Min | -160.23 | -40.747 | -0.006633 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon11 | Combination | | -94.792 | -26.503 | -0.015344 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon12 | Combination | | -102.206 | -26.394 | -0.016184 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon13 | Combination | Max | 75.521 | -0.071 | -0.007248 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon13 | Combination | Min | -207.208 | -56.474 | -0.01634 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon14 | Combination | Max | 63.809 | 17.254 | -0.006728 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon14 | Combination | Min | -218.919 | -39.15 | -0.01582 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon15 | Combination | Max | 108.067 | 41.4 | -0.007269 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon15 | Combination | Min | -231.929 | -60.357 | -0.018167 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon16 | Combination | Max | 88.531 | 21.137 | -0.004901 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon16 | Combination | Min | -251.466 | -80.62 | -0.015799 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon17 | Combination | Max | 77.004 | -0.092 | -0.007079 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon17 | Combination | Min | -205.725 | -56.496 | -0.016172 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon18 | Combination | Max | 65.292 | 17.232 | -0.00656 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon18 | Combination | Min | -217.437 | -39.172 | -0.015652 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon19 | Combination | Max | 109.55 | 41.378 | -0.007101 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon19 | Combination | Min | -230.446 | -60.379 | -0.017999 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon20 | Combination | Max | 90.013 | 21.115 | -0.004733 | 3 | 15.611 | 12.0859 | 42 |
| 12F RF | D1 | UDCon20 | Combination | Min | -249.983 | -80.642 | -0.015631 | 3 | 15.611 | 12.0859 | 42 |
| 11F RF | D1 | Dead | LinStatic | | -33.344 | -9.694 | -0.00514 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | Live | LinStatic | | -4.427 | -0.377 | -0.000532 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | FF | LinStatic | | -16.545 | -7.766 | -0.002982 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | PW | LinStatic | | -14.237 | -8.355 | -0.002636 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | Earthquake+x | LinStatic | | 169.381 | 18.423 | -0.002846 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | Earthquake+y | LinStatic | | 18.194 | 176.754 | 0.002684 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | TH-X Load Case | LinModHist | Max | 136.708 | 18.191 | 0.004186 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | TH-X Load Case | LinModHist | Min | -125.802 | -34.932 | -0.004578 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | TH-Y Load Case | LinModHist | Max | 170.192 | 57.129 | 0.004167 | 4 | 15.611 | 12.0859 | 38.5 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|--------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 11F RF | D1 | TH-Y Load Case | LinModHist | Min | -150.328 | -38.777 | -0.006279 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon11 | Combination | | -86.57 | -34.851 | -0.014523 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon12 | Combination | | -93.211 | -35.416 | -0.01532 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon13 | Combination | Max | 71.255 | -7.737 | -0.006731 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon13 | Combination | Min | -191.256 | -60.86 | -0.015495 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon14 | Combination | Max | 60.348 | 9.003 | -0.006339 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon14 | Combination | Min | -202.162 | -44.119 | -0.015103 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon15 | Combination | Max | 104.738 | 31.201 | -0.006751 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon15 | Combination | Min | -215.781 | -64.705 | -0.017196 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon16 | Combination | Max | 84.874 | 12.848 | -0.004638 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon16 | Combination | Min | -235.646 | -83.057 | -0.015084 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon17 | Combination | Max | 72.583 | -7.624 | -0.006572 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon17 | Combination | Min | -189.927 | -60.747 | -0.015336 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon18 | Combination | Max | 61.676 | 9.117 | -0.00618 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon18 | Combination | Min | -200.834 | -44.006 | -0.014944 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon19 | Combination | Max | 106.066 | 31.314 | -0.006591 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon19 | Combination | Min | -214.453 | -64.592 | -0.017037 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon20 | Combination | Max | 86.202 | 12.961 | -0.004479 | 4 | 15.611 | 12.0859 | 38.5 |
| 11F RF | D1 | UDCon20 | Combination | Min | -234.318 | -82.944 | -0.014924 | 4 | 15.611 | 12.0859 | 38.5 |
| 10F RF | D1 | Dead | LinStatic | | -30.121 | -12.639 | -0.004829 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | Live | LinStatic | | -3.927 | -0.787 | -0.000501 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | FF | LinStatic | | -15.034 | -9.227 | -0.00281 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | PW | LinStatic | | -13.016 | -9.44 | -0.002482 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | Earthquake+x | LinStatic | | 157.963 | 17.039 | -0.002744 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | Earthquake+y | LinStatic | | 17.494 | 163.731 | 0.002435 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | TH-X Load Case | LinModHist | Max | 125.689 | 16.841 | 0.00408 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | TH-X Load Case | LinModHist | Min | -115.716 | -32.98 | -0.004345 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | TH-Y Load Case | LinModHist | Max | 159.864 | 53.23 | 0.004062 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | TH-Y Load Case | LinModHist | Min | -139.8 | -36.746 | -0.005933 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon11 | Combination | | -78.531 | -42.264 | -0.013663 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon12 | Combination | | -84.421 | -43.443 | -0.014415 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon13 | Combination | Max | 66.34 | -14.701 | -0.006192 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon13 | Combination | Min | -175.064 | -64.522 | -0.014616 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon14 | Combination | Max | 56.367 | 1.437 | -0.005926 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon14 | Combination | Min | -185.038 | -48.384 | -0.014351 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon15 | Combination | Max | 100.515 | 21.687 | -0.00621 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon15 | Combination | Min | -199.149 | -68.288 | -0.016205 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon16 | Combination | Max | 80.451 | 5.204 | -0.004338 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon16 | Combination | Min | -219.213 | -84.772 | -0.014333 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon17 | Combination | Max | 67.519 | -14.465 | -0.006041 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon17 | Combination | Min | -173.886 | -64.286 | -0.014466 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon18 | Combination | Max | 57.545 | 1.673 | -0.005776 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon18 | Combination | Min | -183.86 | -48.148 | -0.014201 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon19 | Combination | Max | 101.693 | 21.923 | -0.006059 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon19 | Combination | Min | -197.971 | -68.052 | -0.016054 | 5 | 15.611 | 12.0859 | 35 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|--------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 10F RF | D1 | UDCon20 | Combination | Max | 81.629 | 5.44 | -0.004188 | 5 | 15.611 | 12.0859 | 35 |
| 10F RF | D1 | UDCon20 | Combination | Min | -218.035 | -84.536 | -0.014183 | 5 | 15.611 | 12.0859 | 35 |
| 9F RF | D1 | Dead | LinStatic | | -26.984 | -15.177 | -0.004502 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | Live | LinStatic | | -3.445 | -1.148 | -0.000469 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | FF | LinStatic | | -13.561 | -10.455 | -0.002627 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | PW | LinStatic | | -11.818 | -10.329 | -0.00232 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | Earthquake+x | LinStatic | | 146.04 | 15.648 | -0.002639 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | Earthquake+y | LinStatic | | 16.666 | 150.588 | 0.002173 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | TH-X Load Case | LinModHist | Max | 114.248 | 15.796 | 0.003967 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | TH-X Load Case | LinModHist | Min | -105.335 | -31.103 | -0.004108 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | TH-Y Load Case | LinModHist | Max | 148.783 | 49.34 | 0.00395 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | TH-Y Load Case | LinModHist | Min | -128.69 | -34.655 | -0.005686 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon11 | Combination | | -70.69 | -48.548 | -0.012757 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon12 | Combination | | -75.858 | -50.27 | -0.01346 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon13 | Combination | Max | 60.851 | -20.51 | -0.005623 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon13 | Combination | Min | -158.731 | -67.409 | -0.013698 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon14 | Combination | Max | 51.938 | -5.203 | -0.005482 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon14 | Combination | Min | -167.645 | -52.102 | -0.013557 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon15 | Combination | Max | 95.386 | 13.034 | -0.00564 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon15 | Combination | Min | -182.086 | -70.961 | -0.015276 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon16 | Combination | Max | 75.293 | -1.651 | -0.003904 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon16 | Combination | Min | -202.179 | -85.647 | -0.01354 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon17 | Combination | Max | 61.885 | -20.166 | -0.005482 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon17 | Combination | Min | -157.698 | -67.064 | -0.013557 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon18 | Combination | Max | 52.971 | -4.859 | -0.005342 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon18 | Combination | Min | -166.611 | -51.757 | -0.013417 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon19 | Combination | Max | 96.42 | 13.379 | -0.0055 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon19 | Combination | Min | -181.053 | -70.617 | -0.015135 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon20 | Combination | Max | 76.326 | -1.307 | -0.003763 | 6 | 15.611 | 12.0859 | 31.5 |
| 9F RF | D1 | UDCon20 | Combination | Min | -201.146 | -85.302 | -0.013399 | 6 | 15.611 | 12.0859 | 31.5 |
| 8F RF | D1 | Dead | LinStatic | | -23.934 | -17.233 | -0.004157 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | Live | LinStatic | | -2.982 | -1.452 | -0.000435 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | FF | LinStatic | | -12.122 | -11.405 | -0.002433 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | PW | LinStatic | | -10.639 | -10.984 | -0.002147 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | Earthquake+x | LinStatic | | 133.691 | 14.257 | -0.002531 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | Earthquake+y | LinStatic | | 15.686 | 137.408 | 0.001897 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | TH-X Load Case | LinModHist | Max | 102.512 | 14.903 | 0.003849 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | TH-X Load Case | LinModHist | Min | -94.898 | -29.329 | -0.003868 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | TH-Y Load Case | LinModHist | Max | 137.001 | 45.541 | 0.003845 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | TH-Y Load Case | LinModHist | Min | -117.087 | -32.511 | -0.005437 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon11 | Combination | | -63.038 | -53.49 | -0.011794 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon12 | Combination | | -67.512 | -55.668 | -0.012446 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon13 | Combination | Max | 54.923 | -25.155 | -0.005018 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon13 | Combination | Min | -142.488 | -69.387 | -0.012734 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon14 | Combination | Max | 47.308 | -10.729 | -0.004999 | 7 | 15.611 | 12.0859 | 28 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 8F RF | D1 | UDCon14 | Combination | Min | -150.102 | -54.961 | -0.012716 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon15 | Combination | Max | 89.411 | 5.483 | -0.005022 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon15 | Combination | Min | -164.677 | -72.569 | -0.014304 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon16 | Combination | Max | 69.497 | -7.547 | -0.00343 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon16 | Combination | Min | -184.591 | -85.599 | -0.012712 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon17 | Combination | Max | 55.817 | -24.719 | -0.004888 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon17 | Combination | Min | -141.593 | -68.952 | -0.012604 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon18 | Combination | Max | 48.203 | -10.293 | -0.004869 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon18 | Combination | Min | -149.208 | -54.526 | -0.012585 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon19 | Combination | Max | 90.306 | 5.919 | -0.004891 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon19 | Combination | Min | -163.782 | -72.134 | -0.014174 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon20 | Combination | Max | 70.392 | -7.111 | -0.003299 | 7 | 15.611 | 12.0859 | 28 |
| 8F RF | D1 | UDCon20 | Combination | Min | -183.696 | -85.164 | -0.012581 | 7 | 15.611 | 12.0859 | 28 |
| 7F RF | D1 | Dead | LinStatic | | -20.956 | -18.729 | -0.00379 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | Live | LinStatic | | -2.54 | -1.69 | -0.000398 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | FF | LinStatic | | -10.706 | -12.033 | -0.002224 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | PW | LinStatic | | -9.466 | -11.367 | -0.001961 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | Earthquake+x | LinStatic | | 121.022 | 12.877 | -0.002421 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | Earthquake+y | LinStatic | | 14.522 | 124.299 | 0.001609 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | TH-X Load Case | LinModHist | Max | 90.646 | 14.038 | 0.003725 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | TH-X Load Case | LinModHist | Min | -84.755 | -27.564 | -0.003627 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | TH-Y Load Case | LinModHist | Max | 124.628 | 41.844 | 0.003748 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | TH-Y Load Case | LinModHist | Min | -105.13 | -30.333 | -0.005276 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon11 | Combination | | -55.522 | -56.874 | -0.010767 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon12 | Combination | | -59.332 | -59.408 | -0.011364 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon13 | Combination | Max | 48.756 | -28.597 | -0.00437 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon13 | Combination | Min | -126.645 | -70.2 | -0.011722 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon14 | Combination | Max | 42.866 | -15.071 | -0.004468 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon14 | Combination | Min | -132.535 | -56.674 | -0.011819 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon15 | Combination | Max | 82.738 | -0.792 | -0.004347 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon15 | Combination | Min | -147.019 | -72.969 | -0.013371 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon16 | Combination | Max | 63.24 | -12.302 | -0.002818 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon16 | Combination | Min | -166.517 | -84.48 | -0.011843 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon17 | Combination | Max | 49.518 | -28.09 | -0.004251 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon17 | Combination | Min | -125.883 | -69.693 | -0.011602 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon18 | Combination | Max | 43.628 | -14.564 | -0.004348 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon18 | Combination | Min | -131.773 | -56.167 | -0.0117 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon19 | Combination | Max | 83.5 | -0.285 | -0.004227 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon19 | Combination | Min | -146.257 | -72.462 | -0.013252 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon20 | Combination | Max | 64.002 | -11.796 | -0.002699 | 8 | 15.611 | 12.0859 | 24.5 |
| 7F RF | D1 | UDCon20 | Combination | Min | -165.755 | -83.973 | -0.011723 | 8 | 15.611 | 12.0859 | 24.5 |
| 6F RF | D1 | Dead | LinStatic | | -18.011 | -19.568 | -0.003398 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | Live | LinStatic | | -2.116 | -1.85 | -0.000358 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | FF | LinStatic | | -9.286 | -12.28 | -0.001999 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | PW | LinStatic | | -8.274 | -11.429 | -0.001762 | 9 | 15.611 | 12.0859 | 21 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 6F RF | D1 | Earthquake+x | LinStatic | | 108.17 | 11.529 | -0.00231 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | Earthquake+y | LinStatic | | 13.132 | 111.385 | 0.001307 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | TH-X Load Case | LinModHist | Max | 80.022 | 13.35 | 0.003596 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | TH-X Load Case | LinModHist | Min | -76.289 | -25.829 | -0.003389 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | TH-Y Load Case | LinModHist | Max | 111.827 | 38.271 | 0.003644 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | TH-Y Load Case | LinModHist | Min | -92.994 | -28.148 | -0.005152 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon11 | Combination | | -48.021 | -58.424 | -0.009665 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon12 | Combination | | -51.195 | -61.198 | -0.010202 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon13 | Combination | Max | 43.816 | -30.482 | -0.003671 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon13 | Combination | Min | -112.495 | -69.661 | -0.010655 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon14 | Combination | Max | 40.083 | -18.002 | -0.003878 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon14 | Combination | Min | -116.228 | -57.182 | -0.010862 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon15 | Combination | Max | 75.621 | -5.561 | -0.003622 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon15 | Combination | Min | -129.2 | -71.98 | -0.012419 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon16 | Combination | Max | 56.788 | -15.684 | -0.002114 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon16 | Combination | Min | -148.033 | -82.103 | -0.010911 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon17 | Combination | Max | 44.451 | -29.927 | -0.003564 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon17 | Combination | Min | -111.861 | -69.107 | -0.010548 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon18 | Combination | Max | 40.718 | -17.448 | -0.003771 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon18 | Combination | Min | -115.593 | -56.627 | -0.010755 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon19 | Combination | Max | 76.255 | -5.006 | -0.003515 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon19 | Combination | Min | -128.566 | -71.425 | -0.012311 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon20 | Combination | Max | 57.423 | -15.129 | -0.002007 | 9 | 15.611 | 12.0859 | 21 |
| 6F RF | D1 | UDCon20 | Combination | Min | -147.398 | -81.548 | -0.010803 | 9 | 15.611 | 12.0859 | 21 |
| 5F RF | D1 | Dead | LinStatic | | -15.021 | -19.669 | -0.002978 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | Live | LinStatic | | -1.704 | -1.922 | -0.000315 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | FF | LinStatic | | -7.81 | -12.099 | -0.001756 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | PW | LinStatic | | -7.014 | -11.129 | -0.001547 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | Earthquake+x | LinStatic | | 95.301 | 10.227 | -0.0022 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | Earthquake+y | LinStatic | | 11.454 | 98.805 | 0.000993 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | TH-X Load Case | LinModHist | Max | 71.421 | 12.717 | 0.003463 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | TH-X Load Case | LinModHist | Min | -68.038 | -24.152 | -0.003155 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | TH-Y Load Case | LinModHist | Max | 98.819 | 34.867 | 0.003535 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | TH-Y Load Case | LinModHist | Min | -80.897 | -25.988 | -0.005021 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon11 | Combination | | -40.291 | -57.91 | -0.008479 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon12 | Combination | | -42.848 | -60.793 | -0.008952 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon13 | Combination | Max | 41.065 | -30.756 | -0.002912 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon13 | Combination | Min | -98.395 | -67.625 | -0.009531 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon14 | Combination | Max | 37.682 | -19.321 | -0.00322 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon14 | Combination | Min | -101.778 | -56.19 | -0.009839 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon15 | Combination | Max | 68.462 | -8.606 | -0.002841 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon15 | Combination | Min | -111.253 | -69.461 | -0.011396 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon16 | Combination | Max | 50.54 | -17.485 | -0.001355 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon16 | Combination | Min | -129.176 | -78.34 | -0.00991 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon17 | Combination | Max | 41.576 | -30.179 | -0.002818 | 10 | 15.611 | 12.0859 | 17.5 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|----------|---------|-----------|-------|--------|---------|------|
| 5F RF | D1 | UDCon17 | Combination | Min | -97.884 | -67.048 | -0.009436 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon18 | Combination | Max | 38.193 | -18.744 | -0.003126 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon18 | Combination | Min | -101.267 | -55.613 | -0.009744 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon19 | Combination | Max | 68.974 | -8.029 | -0.002746 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon19 | Combination | Min | -110.742 | -68.884 | -0.011302 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon20 | Combination | Max | 51.051 | -16.908 | -0.00126 | 10 | 15.611 | 12.0859 | 17.5 |
| 5F RF | D1 | UDCon20 | Combination | Min | -128.664 | -77.763 | -0.009816 | 10 | 15.611 | 12.0859 | 17.5 |
| 4F RF | D1 | Dead | LinStatic | | -11.86 | -18.937 | -0.002526 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | Live | LinStatic | | -1.295 | -1.897 | -0.000268 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | FF | LinStatic | | -6.198 | -11.429 | -0.001493 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | PW | LinStatic | | -5.611 | -10.416 | -0.001314 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | Earthquake+x | LinStatic | | 82.614 | 8.999 | -0.002093 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | Earthquake+y | LinStatic | | 9.403 | 86.682 | 0.000665 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | TH-X Load Case | LinModHist | Max | 62.763 | 12.078 | 0.00333 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | TH-X Load Case | LinModHist | Min | -59.766 | -22.55 | -0.00293 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | TH-Y Load Case | LinModHist | Max | 85.87 | 31.668 | 0.003421 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | TH-Y Load Case | LinModHist | Min | -69.076 | -23.885 | -0.004885 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon11 | Combination | | -31.954 | -55.055 | -0.007198 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon12 | Combination | | -33.896 | -57.901 | -0.007601 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon13 | Combination | Max | 38.705 | -29.272 | -0.002083 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon13 | Combination | Min | -83.824 | -63.9 | -0.008343 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon14 | Combination | Max | 35.708 | -18.801 | -0.002483 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon14 | Combination | Min | -86.821 | -53.429 | -0.008742 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon15 | Combination | Max | 61.812 | -9.682 | -0.001992 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon15 | Combination | Min | -93.134 | -65.235 | -0.010297 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon16 | Combination | Max | 45.018 | -17.466 | -0.000528 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon16 | Combination | Min | -109.928 | -73.019 | -0.008833 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon17 | Combination | Max | 39.093 | -28.703 | -0.002002 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon17 | Combination | Min | -83.436 | -63.331 | -0.008262 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon18 | Combination | Max | 36.097 | -18.231 | -0.002402 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon18 | Combination | Min | -86.432 | -52.86 | -0.008662 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon19 | Combination | Max | 62.201 | -9.113 | -0.001911 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon19 | Combination | Min | -92.746 | -64.666 | -0.010217 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon20 | Combination | Max | 45.407 | -16.896 | -0.000447 | 11 | 15.611 | 12.0859 | 14 |
| 4F RF | D1 | UDCon20 | Combination | Min | -109.539 | -72.45 | -0.008753 | 11 | 15.611 | 12.0859 | 14 |
| 3F RF | D1 | Dead | LinStatic | | -8.418 | -17.42 | -0.002039 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | Live | LinStatic | | -0.879 | -1.779 | -0.000218 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | FF | LinStatic | | -4.38 | -10.302 | -0.001206 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | PW | LinStatic | | -3.999 | -9.32 | -0.001061 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | Earthquake+x | LinStatic | | 70.298 | 7.817 | -0.00199 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | Earthquake+y | LinStatic | | 6.893 | 75.195 | 0.000319 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | TH-X Load Case | LinModHist | Max | 54.212 | 11.468 | 0.003198 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | TH-X Load Case | LinModHist | Min | -51.825 | -21.068 | -0.002716 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | TH-Y Load Case | LinModHist | Max | 73.244 | 28.721 | 0.003306 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | TH-Y Load Case | LinModHist | Min | -57.756 | -21.879 | -0.004749 | 12 | 15.611 | 12.0859 | 10.5 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|---------|---------|-----------|-------|---------|---------|------|
| 3F RF | D1 | UDCon11 | Combination | | -22.677 | -50.006 | -0.005813 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon12 | Combination | | -23.996 | -52.675 | -0.00614 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon13 | Combination | Max | 37.151 | -26.107 | -0.001173 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon13 | Combination | Min | -68.886 | -58.643 | -0.007087 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon14 | Combination | Max | 34.764 | -16.507 | -0.001655 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon14 | Combination | Min | -71.274 | -49.043 | -0.00757 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon15 | Combination | Max | 56.183 | -8.854 | -0.001066 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon15 | Combination | Min | -74.817 | -59.454 | -0.00912 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon16 | Combination | Max | 40.694 | -15.696 | 0.000378 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon16 | Combination | Min | -90.305 | -66.296 | -0.007677 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon17 | Combination | Max | 37.415 | -25.573 | -0.001107 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon17 | Combination | Min | -68.623 | -58.109 | -0.007022 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon18 | Combination | Max | 35.028 | -15.973 | -0.00159 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon18 | Combination | Min | -71.01 | -48.509 | -0.007504 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon19 | Combination | Max | 56.447 | -8.321 | -0.001 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon19 | Combination | Min | -74.553 | -58.92 | -0.009055 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon20 | Combination | Max | 40.958 | -15.162 | 0.000443 | 12 | 15.611 | 12.0859 | 10.5 |
| 3F RF | D1 | UDCon20 | Combination | Min | -90.042 | -65.762 | -0.007612 | 12 | 15.611 | 12.0859 | 10.5 |
| 2F RF | D1 | Dead | LinStatic | | -5.031 | -15.236 | -0.001494 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | Live | LinStatic | | -0.495 | -1.58 | -0.000161 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | FF | LinStatic | | -2.568 | -8.8 | -0.000882 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | PW | LinStatic | | -2.362 | -7.916 | -0.000776 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | Earthquake+x | LinStatic | | 58.265 | 6.625 | -0.001881 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | Earthquake+y | LinStatic | | 3.918 | 64.652 | -4.9E-05 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | TH-X Load Case | LinModHist | Max | 45.649 | 10.892 | 0.003064 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | TH-X Load Case | LinModHist | Min | -44.398 | -19.703 | -0.002506 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | TH-Y Load Case | LinModHist | Max | 60.912 | 25.985 | 0.003185 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | TH-Y Load Case | LinModHist | Min | -47.264 | -19.975 | -0.004611 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon11 | Combination | | -13.446 | -43.135 | -0.004254 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon12 | Combination | | -14.189 | -45.506 | -0.004495 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon13 | Combination | Max | 35.54 | -21.534 | -0.000135 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon13 | Combination | Min | -54.507 | -52.129 | -0.005705 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon14 | Combination | Max | 34.289 | -12.723 | -0.000694 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon14 | Combination | Min | -55.758 | -43.318 | -0.006263 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon15 | Combination | Max | 50.803 | -6.441 | -1.4E-05 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon15 | Combination | Min | -57.372 | -52.401 | -0.00781 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon16 | Combination | Max | 37.155 | -12.452 | 0.001412 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon16 | Combination | Min | -71.021 | -58.411 | -0.006384 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon17 | Combination | Max | 35.689 | -21.06 | -8.7E-05 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon17 | Combination | Min | -54.358 | -51.655 | -0.005657 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon18 | Combination | Max | 34.438 | -12.249 | -0.000645 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon18 | Combination | Min | -55.609 | -42.844 | -0.006215 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon19 | Combination | Max | 50.952 | -5.967 | 3.4E-05 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon19 | Combination | Min | -57.224 | -51.926 | -0.007762 | 13 | 15.6913 | 12.0023 | 7 |
| 2F RF | D1 | UDCon20 | Combination | Max | 37.303 | -11.977 | 0.00146 | 13 | 15.6913 | 12.0023 | 7 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|----------------|-------------|-----------|---------|---------|-----------|-------|---------|---------|-----|
| 2F RF | D1 | UDCon20 | Combination | Min | -70.872 | -57.937 | -0.006336 | 13 | 15.6913 | 12.0023 | 7 |
| 1F RF | D1 | Dead | LinStatic | | -1.694 | -11.429 | -0.000882 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | Live | LinStatic | | -0.137 | -1.198 | -9.6E-05 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | FF | LinStatic | | -0.779 | -6.396 | -0.000514 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | PW | LinStatic | | -0.726 | -5.745 | -0.000452 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | Earthquake+x | LinStatic | | 46.595 | 5.854 | -0.001788 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | Earthquake+y | LinStatic | | 0.873 | 55.128 | -0.000424 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | TH-X Load Case | LinModHist | Max | 37.351 | 10.507 | 0.002938 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | TH-X Load Case | LinModHist | Min | -36.827 | -18.894 | -0.002315 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | TH-Y Load Case | LinModHist | Max | 49.828 | 24.117 | 0.003064 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | TH-Y Load Case | LinModHist | Min | -41.64 | -18.641 | -0.004477 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon11 | Combination | | -4.318 | -31.821 | -0.002495 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon12 | Combination | | -4.523 | -33.618 | -0.00264 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon13 | Combination | Max | 34.111 | -13.424 | 0.001061 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon13 | Combination | Min | -40.067 | -42.825 | -0.004192 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon14 | Combination | Max | 33.587 | -5.036 | 0.000438 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon14 | Combination | Min | -40.59 | -34.437 | -0.004815 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon15 | Combination | Max | 46.588 | 0.186 | 0.001187 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon15 | Combination | Min | -44.88 | -42.572 | -0.006354 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon16 | Combination | Max | 38.4 | -5.289 | 0.0026 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon16 | Combination | Min | -53.067 | -48.047 | -0.004941 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon17 | Combination | Max | 34.152 | -13.064 | 0.00109 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon17 | Combination | Min | -40.026 | -42.465 | -0.004163 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon18 | Combination | Max | 33.628 | -4.677 | 0.000467 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon18 | Combination | Min | -40.55 | -34.078 | -0.004786 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon19 | Combination | Max | 46.629 | 0.546 | 0.001216 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon19 | Combination | Min | -44.839 | -42.212 | -0.006325 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon20 | Combination | Max | 38.441 | -4.93 | 0.002629 | 14 | 15.7127 | 12.0198 | 3.5 |
| 1F RF | D1 | UDCon20 | Combination | Min | -53.026 | -47.688 | -0.004912 | 14 | 15.7127 | 12.0198 | 3.5 |
| Base | D1 | Dead | LinStatic | | 0.052 | 0.052 | -7.9E-05 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | Live | LinStatic | | 0.009 | 0.008 | -1.3E-05 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | FF | LinStatic | | 0.028 | 0.027 | -5.2E-05 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | PW | LinStatic | | 0.024 | 0.023 | -4.9E-05 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | Earthquake+x | LinStatic | | 0.278 | 0.201 | 0.000784 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | Earthquake+y | LinStatic | | 0.364 | 0.382 | -0.000564 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | TH-X Load Case | LinModHist | Max | 0.22 | 0.162 | 0.000945 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | TH-X Load Case | LinModHist | Min | -0.225 | -0.172 | -0.000819 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | TH-Y Load Case | LinModHist | Max | 0.336 | 0.251 | 0.001121 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | TH-Y Load Case | LinModHist | Min | -0.236 | -0.178 | -0.00088 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon11 | Combination | | 0.14 | 0.138 | -0.000242 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon12 | Combination | | 0.154 | 0.15 | -0.000261 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon13 | Combination | Max | 0.326 | 0.267 | 0.000762 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon13 | Combination | Min | -0.118 | -0.067 | -0.001002 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon14 | Combination | Max | 0.331 | 0.277 | 0.000635 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon14 | Combination | Min | -0.113 | -0.057 | -0.001128 | 15 | 20.0769 | 9.39 | 0 |

Table 3.3 - Diaphragm Center Of Mass Displacements (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm | UY mm | RZ rad | Point | X m | Y m | Z m |
|-------|-----------|-------------|-------------|-----------|--------|--------|-----------|-------|---------|------|-----|
| Base | D1 | UDCon15 | Combination | Max | 0.442 | 0.356 | 0.000938 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon15 | Combination | Min | -0.129 | -0.073 | -0.001063 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon16 | Combination | Max | 0.342 | 0.283 | 0.000696 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon16 | Combination | Min | -0.229 | -0.147 | -0.001304 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon17 | Combination | Max | 0.324 | 0.265 | 0.000765 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon17 | Combination | Min | -0.121 | -0.069 | -0.000998 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon18 | Combination | Max | 0.328 | 0.274 | 0.000639 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon18 | Combination | Min | -0.116 | -0.06 | -0.001124 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon19 | Combination | Max | 0.439 | 0.354 | 0.000942 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon19 | Combination | Min | -0.132 | -0.076 | -0.001059 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon20 | Combination | Max | 0.339 | 0.281 | 0.0007 | 15 | 20.0769 | 9.39 | 0 |
| Base | D1 | UDCon20 | Combination | Min | -0.232 | -0.149 | -0.0013 | 15 | 20.0769 | 9.39 | 0 |

Table 3.4 - Diaphragm Max Over Avg Drifts

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 14 | Dead | LinStatic | | Diaph D1 X | 0.001541 | 0.000954 | 1.615 | 43 | 26.8 | 5 | 49 |
| 14 | Dead | LinStatic | | Diaph D1 Y | 0.002025 | 0.001098 | 1.844 | 38 | 3.75 | 14.8 | 49 |
| 14 | Live | LinStatic | | Diaph D1 X | 0.000207 | 0.000151 | 1.371 | 43 | 26.8 | 5 | 49 |
| 14 | Live | LinStatic | | Diaph D1 Y | 0.000236 | 0.000147 | 1.604 | 38 | 3.75 | 14.8 | 49 |
| 14 | FF | LinStatic | | Diaph D1 X | 0.000764 | 0.000445 | 1.717 | 43 | 26.8 | 5 | 49 |
| 14 | FF | LinStatic | | Diaph D1 Y | 0.001068 | 0.000564 | 1.893 | 38 | 3.75 | 14.8 | 49 |
| 14 | PW | LinStatic | | Diaph D1 X | 0.000642 | 0.000356 | 1.804 | 43 | 26.8 | 5 | 49 |
| 14 | PW | LinStatic | | Diaph D1 Y | 0.000887 | 0.000435 | 2.04 | 38 | 3.75 | 14.8 | 49 |
| 14 | Earthquake+x | LinStatic | | Diaph D1 X | 0.002973 | 0.002788 | 1.066 | 44 | 26.8 | 19.6 | 49 |
| 14 | Earthquake+x | LinStatic | | Diaph D1 Y | 0.00068 | 0.000391 | 1.739 | 40 | 3.75 | 5 | 49 |
| 14 | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004232 | 0.003517 | 1.203 | 47 | 26.8 | 10 | 49 |
| 14 | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003657 | 0.003282 | 1.114 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001103 | 0.000763 | 1.446 | 40 | 3.75 | 5 | 49 |
| 14 | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.002953 | 0.002532 | 1.166 | 44 | 26.8 | 19.6 | 49 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 14 | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001131 | 0.000846 | 1.337 | 40 | 3.75 | 5 | 49 |
| 14 | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003816 | 0.003474 | 1.098 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001829 | 0.001428 | 1.281 | 40 | 3.75 | 5 | 49 |
| 14 | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003424 | 0.002868 | 1.194 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001137 | 0.000913 | 1.244 | 40 | 3.75 | 5 | 49 |
| 14 | UDCon11 | Combination | | Diaph D1 X | 0.003979 | 0.00237 | 1.679 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon11 | Combination | | Diaph D1 Y | 0.005372 | 0.002831 | 1.898 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon12 | Combination | | Diaph D1 X | 0.00429 | 0.002596 | 1.652 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon12 | Combination | | Diaph D1 Y | 0.005726 | 0.003051 | 1.877 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon13 | Combination | Max | Diaph D1 X | 0.003065 | 0.001481 | 2.069 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon13 | Combination | Max | Diaph D1 Y | 0.005152 | 0.003028 | 1.702 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon13 | Combination | Min | Diaph D1 X | 0.005122 | 0.004333 | 1.182 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon13 | Combination | Min | Diaph D1 Y | 0.002921 | 0.00117 | 2.496 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon14 | Combination | Max | Diaph D1 X | 0.002361 | 0.000732 | 3.226 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon14 | Combination | Max | Diaph D1 Y | 0.005179 | 0.003112 | 1.664 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon14 | Combination | Min | Diaph D1 X | 0.005918 | 0.005083 | 1.164 | 41 | 7 | 5 | 49 |
| 14 | UDCon14 | Combination | Min | Diaph D1 Y | 0.002948 | 0.001254 | 2.351 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon15 | Combination | Max | Diaph D1 X | 0.003224 | 0.001673 | 1.927 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon15 | Combination | Max | Diaph D1 Y | 0.005879 | 0.003614 | 1.627 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon15 | Combination | Min | Diaph D1 X | 0.005321 | 0.004669 | 1.14 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon15 | Combination | Min | Diaph D1 Y | 0.002917 | 0.001132 | 2.577 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon16 | Combination | Max | Diaph D1 X | 0.002832 | 0.001067 | 2.654 | 44 | 26.8 | 19.6 | 49 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 14 | UDCon16 | Combination | Max | Diaph D1 Y | 0.005184 | 0.00315 | 1.646 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon16 | Combination | Min | Diaph D1 X | 0.006142 | 0.005274 | 1.165 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon16 | Combination | Min | Diaph D1 Y | 0.002222 | 0.000668 | 3.327 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon17 | Combination | Max | Diaph D1 X | 0.003094 | 0.001527 | 2.027 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon17 | Combination | Max | Diaph D1 Y | 0.005082 | 0.002984 | 1.703 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon17 | Combination | Min | Diaph D1 X | 0.00506 | 0.004288 | 1.18 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon17 | Combination | Min | Diaph D1 Y | 0.002851 | 0.001126 | 2.531 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon18 | Combination | Max | Diaph D1 X | 0.002389 | 0.000777 | 3.074 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon18 | Combination | Max | Diaph D1 Y | 0.005109 | 0.003068 | 1.665 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon18 | Combination | Min | Diaph D1 X | 0.005856 | 0.005038 | 1.162 | 41 | 7 | 5 | 49 |
| 14 | UDCon18 | Combination | Min | Diaph D1 Y | 0.002878 | 0.00121 | 2.378 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon19 | Combination | Max | Diaph D1 X | 0.003253 | 0.001719 | 1.892 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon19 | Combination | Max | Diaph D1 Y | 0.005808 | 0.00357 | 1.627 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon19 | Combination | Min | Diaph D1 X | 0.005259 | 0.004623 | 1.138 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon19 | Combination | Min | Diaph D1 Y | 0.002846 | 0.001088 | 2.617 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon20 | Combination | Max | Diaph D1 X | 0.002861 | 0.001113 | 2.571 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon20 | Combination | Max | Diaph D1 Y | 0.005113 | 0.003106 | 1.646 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon20 | Combination | Min | Diaph D1 X | 0.00608 | 0.005228 | 1.163 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon20 | Combination | Min | Diaph D1 Y | 0.002151 | 0.000624 | 3.449 | 38 | 3.75 | 14.8 | 49 |
| 13 | Dead | LinStatic | | Diaph D1 X | 0.001545 | 0.000943 | 1.638 | 41 | 7 | 5 | 45.5 |
| 13 | Dead | LinStatic | | Diaph D1 Y | 0.001992 | 0.001042 | 1.912 | 40 | 3.75 | 5 | 45.5 |
| 13 | Live | LinStatic | | Diaph D1 X | 0.000207 | 0.000149 | 1.388 | 41 | 7 | 5 | 45.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 13 | Live | LinStatic | | Diaph D1 Y | 0.000232 | 0.00014 | 1.651 | 40 | 3.75 | 5 | 45.5 |
| 13 | FF | LinStatic | | Diaph D1 X | 0.000769 | 0.00044 | 1.747 | 41 | 7 | 5 | 45.5 |
| 13 | FF | LinStatic | | Diaph D1 Y | 0.001051 | 0.000532 | 1.977 | 40 | 3.75 | 5 | 45.5 |
| 13 | PW | LinStatic | | Diaph D1 X | 0.000648 | 0.000353 | 1.836 | 41 | 7 | 5 | 45.5 |
| 13 | PW | LinStatic | | Diaph D1 Y | 0.000873 | 0.000407 | 2.143 | 40 | 3.75 | 5 | 45.5 |
| 13 | Earthquake+x | LinStatic | | Diaph D1 X | 0.003141 | 0.002946 | 1.066 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | Earthquake+x | LinStatic | | Diaph D1 Y | 0.0007 | 0.000396 | 1.769 | 40 | 3.75 | 5 | 45.5 |
| 13 | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004328 | 0.003583 | 1.208 | 47 | 26.8 | 10 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003798 | 0.003412 | 1.113 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001123 | 0.000774 | 1.451 | 40 | 3.75 | 5 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003093 | 0.002661 | 1.163 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.00115 | 0.000856 | 1.344 | 39 | 3.75 | 10 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003963 | 0.003621 | 1.094 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001862 | 0.001447 | 1.287 | 38 | 3.75 | 14.8 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.00357 | 0.003001 | 1.19 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001156 | 0.000928 | 1.246 | 39 | 3.75 | 10 | 45.5 |
| 13 | UDCon11 | Combination | | Diaph D1 X | 0.003999 | 0.002344 | 1.706 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon11 | Combination | | Diaph D1 Y | 0.005286 | 0.002674 | 1.977 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon12 | Combination | | Diaph D1 X | 0.004309 | 0.002568 | 1.678 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon12 | Combination | | Diaph D1 Y | 0.005634 | 0.002885 | 1.953 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon13 | Combination | Max | Diaph D1 X | 0.00326 | 0.001635 | 1.994 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon13 | Combination | Max | Diaph D1 Y | 0.005108 | 0.002921 | 1.749 | 40 | 3.75 | 5 | 45.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 13 | UDCon13 | Combination | Min | Diaph D1 X | 0.005258 | 0.004443 | 1.183 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon13 | Combination | Min | Diaph D1 Y | 0.002835 | 0.001033 | 2.744 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Max | Diaph D1 X | 0.002555 | 0.000882 | 2.897 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon14 | Combination | Max | Diaph D1 Y | 0.005136 | 0.003013 | 1.705 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Min | Diaph D1 X | 0.00606 | 0.005196 | 1.166 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Min | Diaph D1 Y | 0.002862 | 0.001126 | 2.543 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Max | Diaph D1 X | 0.003424 | 0.001843 | 1.858 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon15 | Combination | Max | Diaph D1 Y | 0.005848 | 0.003528 | 1.657 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Min | Diaph D1 X | 0.005463 | 0.004784 | 1.142 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Min | Diaph D1 Y | 0.002829 | 0.001002 | 2.824 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon16 | Combination | Max | Diaph D1 X | 0.003032 | 0.001223 | 2.479 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon16 | Combination | Max | Diaph D1 Y | 0.005142 | 0.003044 | 1.689 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon16 | Combination | Min | Diaph D1 X | 0.006311 | 0.005402 | 1.168 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Max | Diaph D1 X | 0.003287 | 0.00168 | 1.957 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon17 | Combination | Max | Diaph D1 Y | 0.005039 | 0.002879 | 1.75 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Min | Diaph D1 X | 0.005196 | 0.004399 | 1.181 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Min | Diaph D1 Y | 0.002766 | 0.000991 | 2.79 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Max | Diaph D1 X | 0.002582 | 0.000927 | 2.787 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon18 | Combination | Max | Diaph D1 Y | 0.005066 | 0.002971 | 1.705 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Min | Diaph D1 X | 0.005998 | 0.005151 | 1.164 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Min | Diaph D1 Y | 0.002793 | 0.001083 | 2.578 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Max | Diaph D1 X | 0.003452 | 0.001888 | 1.828 | 44 | 26.8 | 19.6 | 45.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 13 | UDCon19 | Combination | Max | Diaph D1 Y | 0.005778 | 0.003486 | 1.657 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Min | Diaph D1 X | 0.005401 | 0.004739 | 1.14 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Min | Diaph D1 Y | 0.00276 | 0.00096 | 2.876 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon20 | Combination | Max | Diaph D1 X | 0.003059 | 0.001268 | 2.413 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon20 | Combination | Max | Diaph D1 Y | 0.005072 | 0.003002 | 1.689 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon20 | Combination | Min | Diaph D1 X | 0.006249 | 0.005358 | 1.166 | 41 | 7 | 5 | 45.5 |
| 12F RF | Dead | LinStatic | | Diaph D1 X | 0.001547 | 0.000925 | 1.674 | 41 | 7 | 5 | 42 |
| 12F RF | Dead | LinStatic | | Diaph D1 Y | 0.00195 | 0.000967 | 2.018 | 40 | 3.75 | 5 | 42 |
| 12F RF | Live | LinStatic | | Diaph D1 X | 0.000206 | 0.000146 | 1.415 | 41 | 7 | 5 | 42 |
| 12F RF | Live | LinStatic | | Diaph D1 Y | 0.000227 | 0.000131 | 1.725 | 40 | 3.75 | 5 | 42 |
| 12F RF | FF | LinStatic | | Diaph D1 X | 0.000774 | 0.000431 | 1.795 | 41 | 7 | 5 | 42 |
| 12F RF | FF | LinStatic | | Diaph D1 Y | 0.00103 | 0.000489 | 2.108 | 40 | 3.75 | 5 | 42 |
| 12F RF | PW | LinStatic | | Diaph D1 X | 0.000653 | 0.000347 | 1.885 | 41 | 7 | 5 | 42 |
| 12F RF | PW | LinStatic | | Diaph D1 Y | 0.000855 | 0.000371 | 2.306 | 40 | 3.75 | 5 | 42 |
| 12F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003313 | 0.003109 | 1.066 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000719 | 0.0004 | 1.798 | 39 | 3.75 | 10 | 42 |
| 12F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004426 | 0.003645 | 1.214 | 43 | 26.8 | 5 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003907 | 0.003517 | 1.111 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001141 | 0.000782 | 1.459 | 40 | 3.75 | 5 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003225 | 0.002785 | 1.158 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001166 | 0.000861 | 1.355 | 39 | 3.75 | 10 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004079 | 0.003749 | 1.088 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001894 | 0.00147 | 1.289 | 38 | 3.75 | 14.8 | 42 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 12F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003701 | 0.003125 | 1.184 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001176 | 0.000938 | 1.254 | 39 | 3.75 | 10 | 42 |
| 12F RF | UDCon11 | Combination | | Diaph D1 X | 0.004016 | 0.002299 | 1.747 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon11 | Combination | | Diaph D1 Y | 0.005178 | 0.002465 | 2.1 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon12 | Combination | | Diaph D1 X | 0.004325 | 0.002517 | 1.718 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon12 | Combination | | Diaph D1 Y | 0.005518 | 0.002662 | 2.073 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003448 | 0.001772 | 1.946 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.005045 | 0.002768 | 1.822 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005385 | 0.004532 | 1.188 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.002738 | 0.000863 | 3.173 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.002768 | 0.00104 | 2.662 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.005069 | 0.002868 | 1.767 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006172 | 0.005265 | 1.172 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.002763 | 0.000963 | 2.869 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.00362 | 0.002003 | 1.807 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005797 | 0.0034 | 1.705 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.005591 | 0.004873 | 1.147 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.002728 | 0.00084 | 3.249 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003243 | 0.00138 | 2.35 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.00508 | 0.002892 | 1.757 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.006461 | 0.005495 | 1.176 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003473 | 0.001816 | 1.913 | 44 | 26.8 | 19.6 | 42 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|--------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 12F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004977 | 0.002729 | 1.824 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005323 | 0.004488 | 1.186 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.00267 | 0.000824 | 3.242 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.002793 | 0.001083 | 2.579 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.005001 | 0.002829 | 1.768 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.00611 | 0.005222 | 1.17 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.002695 | 0.000924 | 2.917 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.003645 | 0.002047 | 1.781 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.005729 | 0.00336 | 1.705 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.00553 | 0.004829 | 1.145 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.00266 | 0.0008 | 3.324 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003268 | 0.001424 | 2.296 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.005012 | 0.002852 | 1.757 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006399 | 0.005451 | 1.174 | 41 | 7 | 5 | 42 |
| 11F RF | Dead | LinStatic | | Diaph D1 X | 0.001551 | 0.000901 | 1.721 | 41 | 7 | 5 | 38.5 |
| 11F RF | Dead | LinStatic | | Diaph D1 Y | 0.001897 | 0.000871 | 2.178 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | Live | LinStatic | | Diaph D1 X | 0.000204 | 0.000141 | 1.45 | 41 | 7 | 5 | 38.5 |
| 11F RF | Live | LinStatic | | Diaph D1 Y | 0.00022 | 0.00012 | 1.834 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | FF | LinStatic | | Diaph D1 X | 0.000781 | 0.000421 | 1.856 | 41 | 7 | 5 | 38.5 |
| 11F RF | FF | LinStatic | | Diaph D1 Y | 0.001003 | 0.000434 | 2.31 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | PW | LinStatic | | Diaph D1 X | 0.000661 | 0.000339 | 1.948 | 43 | 26.8 | 5 | 38.5 |
| 11F RF | PW | LinStatic | | Diaph D1 Y | 0.000833 | 0.000325 | 2.564 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.00348 | 0.003268 | 1.065 | 44 | 26.8 | 19.6 | 38.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 11F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000737 | 0.000404 | 1.825 | 39 | 3.75 | 10 | 38.5 |
| 11F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004516 | 0.003697 | 1.222 | 43 | 26.8 | 5 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003975 | 0.003585 | 1.109 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001155 | 0.000786 | 1.469 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.00334 | 0.002893 | 1.154 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001176 | 0.00086 | 1.367 | 39 | 3.75 | 10 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004157 | 0.003845 | 1.081 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001919 | 0.001478 | 1.299 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003808 | 0.00323 | 1.179 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001197 | 0.000944 | 1.267 | 38 | 3.75 | 14.8 | 38.5 |
| 11F RF | UDCon11 | Combination | | Diaph D1 X | 0.004039 | 0.002242 | 1.802 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon11 | Combination | | Diaph D1 Y | 0.005039 | 0.002201 | 2.29 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon12 | Combination | | Diaph D1 X | 0.004346 | 0.002454 | 1.771 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon12 | Combination | | Diaph D1 Y | 0.005369 | 0.002381 | 2.255 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.00362 | 0.001881 | 1.925 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004953 | 0.002566 | 1.931 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005505 | 0.004598 | 1.197 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.002623 | 0.000658 | 3.987 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.002986 | 0.00119 | 2.509 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.004974 | 0.002674 | 1.86 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006254 | 0.00529 | 1.182 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.002644 | 0.000767 | 3.449 | 40 | 3.75 | 5 | 38.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 11F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.003801 | 0.002141 | 1.776 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005717 | 0.003223 | 1.774 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.00571 | 0.004935 | 1.157 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.002603 | 0.000642 | 4.051 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003454 | 0.001527 | 2.263 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.004995 | 0.00269 | 1.857 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.00659 | 0.005549 | 1.188 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003643 | 0.001923 | 1.895 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004887 | 0.00253 | 1.932 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005443 | 0.004556 | 1.195 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.002557 | 0.000622 | 4.111 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003009 | 0.001232 | 2.442 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004908 | 0.002638 | 1.86 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006193 | 0.005247 | 1.18 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.002578 | 0.000731 | 3.528 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.003825 | 0.002183 | 1.752 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.005651 | 0.003187 | 1.773 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.005649 | 0.004893 | 1.155 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.002537 | 0.000606 | 4.182 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003478 | 0.001569 | 2.217 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004929 | 0.002654 | 1.857 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006529 | 0.005506 | 1.186 | 41 | 7 | 5 | 38.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 10F RF | Dead | LinStatic | | Diaph D1 X | 0.001559 | 0.000876 | 1.78 | 43 | 26.8 | 5 | 35 |
| 10F RF | Dead | LinStatic | | Diaph D1 Y | 0.001833 | 0.000756 | 2.424 | 40 | 3.75 | 5 | 35 |
| 10F RF | Live | LinStatic | | Diaph D1 X | 0.000203 | 0.000136 | 1.495 | 50 | 22.6 | 5 | 35 |
| 10F RF | Live | LinStatic | | Diaph D1 Y | 0.000212 | 0.000106 | 1.998 | 40 | 3.75 | 5 | 35 |
| 10F RF | FF | LinStatic | | Diaph D1 X | 0.000792 | 0.00041 | 1.932 | 43 | 26.8 | 5 | 35 |
| 10F RF | FF | LinStatic | | Diaph D1 Y | 0.00097 | 0.000368 | 2.635 | 40 | 3.75 | 5 | 35 |
| 10F RF | PW | LinStatic | | Diaph D1 X | 0.000673 | 0.000332 | 2.025 | 43 | 26.8 | 5 | 35 |
| 10F RF | PW | LinStatic | | Diaph D1 Y | 0.000806 | 0.000269 | 2.993 | 40 | 3.75 | 5 | 35 |
| 10F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003632 | 0.003412 | 1.065 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000753 | 0.000407 | 1.851 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004592 | 0.00373 | 1.231 | 43 | 26.8 | 5 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003994 | 0.003606 | 1.107 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001163 | 0.000785 | 1.482 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003426 | 0.002977 | 1.151 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001179 | 0.000853 | 1.382 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004191 | 0.003901 | 1.074 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001933 | 0.001473 | 1.312 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003884 | 0.003318 | 1.17 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001213 | 0.000945 | 1.284 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon11 | Combination | | Diaph D1 X | 0.004082 | 0.002185 | 1.869 | 43 | 26.8 | 5 | 35 |
| 10F RF | UDCon11 | Combination | | Diaph D1 Y | 0.004872 | 0.001881 | 2.59 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon12 | Combination | | Diaph D1 X | 0.004387 | 0.002388 | 1.837 | 43 | 26.8 | 5 | 35 |
| 10F RF | UDCon12 | Combination | | Diaph D1 Y | 0.00519 | 0.00204 | 2.544 | 40 | 3.75 | 5 | 35 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 10F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.00376 | 0.001947 | 1.931 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004834 | 0.002313 | 2.09 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005615 | 0.004637 | 1.211 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003192 | 0.001318 | 2.421 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.00485 | 0.002431 | 1.996 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006306 | 0.005266 | 1.197 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.002511 | 0.000538 | 4.668 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.003957 | 0.002242 | 1.765 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005604 | 0.002995 | 1.871 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.005838 | 0.004977 | 1.173 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003651 | 0.001659 | 2.2 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.004886 | 0.002438 | 2.004 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.006697 | 0.00556 | 1.204 | 42 | 24.7 | 5 | 35 |
| 10F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.00378 | 0.001988 | 1.902 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.00477 | 0.002281 | 2.091 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005554 | 0.004596 | 1.208 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003213 | 0.001359 | 2.364 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004786 | 0.002399 | 1.995 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006245 | 0.005225 | 1.195 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.003977 | 0.002282 | 1.743 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.005541 | 0.002963 | 1.87 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.005777 | 0.004937 | 1.17 | 50 | 22.6 | 5 | 35 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|--------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 10F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003671 | 0.0017 | 2.16 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004822 | 0.002406 | 2.004 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006636 | 0.00552 | 1.202 | 42 | 24.7 | 5 | 35 |
| 9F RF | Dead | LinStatic | | Diaph D1 X | 0.001574 | 0.000851 | 1.849 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | Dead | LinStatic | | Diaph D1 Y | 0.001759 | 0.000619 | 2.84 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | Live | LinStatic | | Diaph D1 X | 0.000202 | 0.00013 | 1.552 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | Live | LinStatic | | Diaph D1 Y | 0.000203 | 9E-05 | 2.258 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | FF | LinStatic | | Diaph D1 X | 0.000807 | 0.0004 | 2.019 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | FF | LinStatic | | Diaph D1 Y | 0.000932 | 0.000289 | 3.218 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | PW | LinStatic | | Diaph D1 X | 0.00069 | 0.000327 | 2.109 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | PW | LinStatic | | Diaph D1 Y | 0.000775 | 0.000203 | 3.815 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003761 | 0.003534 | 1.064 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000764 | 0.000407 | 1.876 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004647 | 0.003741 | 1.242 | 45 | 26.8 | 14.8 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.00396 | 0.003606 | 1.098 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.00116 | 0.000776 | 1.496 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003476 | 0.003029 | 1.147 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001172 | 0.000837 | 1.4 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.00418 | 0.003914 | 1.068 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001932 | 0.001454 | 1.328 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003923 | 0.003404 | 1.152 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001221 | 0.000939 | 1.3 | 40 | 3.75 | 5 | 31.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 9F RF | UDCon11 | Combination | | Diaph D1 X | 0.004146 | 0.002131 | 1.946 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | UDCon11 | Combination | | Diaph D1 Y | 0.004678 | 0.001501 | 3.116 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon12 | Combination | | Diaph D1 X | 0.004449 | 0.002326 | 1.913 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | UDCon12 | Combination | | Diaph D1 Y | 0.004983 | 0.001636 | 3.046 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003857 | 0.001989 | 1.939 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004684 | 0.002003 | 2.339 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005716 | 0.004648 | 1.23 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003373 | 0.001412 | 2.388 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.004696 | 0.002132 | 2.202 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006386 | 0.005224 | 1.222 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004077 | 0.002297 | 1.775 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005456 | 0.002709 | 2.014 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.006018 | 0.005022 | 1.198 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003819 | 0.001786 | 2.138 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.004747 | 0.002132 | 2.226 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.006782 | 0.005532 | 1.226 | 42 | 24.7 | 5 | 31.5 |
| 9F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003874 | 0.002028 | 1.911 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004623 | 0.001976 | 2.34 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005656 | 0.004609 | 1.227 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.00339 | 0.001451 | 2.336 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004635 | 0.002105 | 2.202 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006326 | 0.005185 | 1.22 | 50 | 22.6 | 5 | 31.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 9F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004094 | 0.002336 | 1.753 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.005395 | 0.002682 | 2.012 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.005957 | 0.004983 | 1.196 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003837 | 0.001825 | 2.102 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004686 | 0.002105 | 2.226 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006721 | 0.005493 | 1.224 | 42 | 24.7 | 5 | 31.5 |
| 8F RF | Dead | LinStatic | | Diaph D1 X | 0.001598 | 0.00083 | 1.924 | 41 | 7 | 5 | 28 |
| 8F RF | Dead | LinStatic | | Diaph D1 Y | 0.001675 | 0.000462 | 3.628 | 40 | 3.75 | 5 | 28 |
| 8F RF | Live | LinStatic | | Diaph D1 X | 0.000201 | 0.000124 | 1.619 | 41 | 7 | 5 | 28 |
| 8F RF | Live | LinStatic | | Diaph D1 Y | 0.000193 | 7.1E-05 | 2.708 | 40 | 3.75 | 5 | 28 |
| 8F RF | FF | LinStatic | | Diaph D1 X | 0.000829 | 0.000393 | 2.109 | 41 | 7 | 5 | 28 |
| 8F RF | FF | LinStatic | | Diaph D1 Y | 0.000889 | 0.000199 | 4.47 | 40 | 3.75 | 5 | 28 |
| 8F RF | PW | LinStatic | | Diaph D1 X | 0.000712 | 0.000325 | 2.193 | 41 | 7 | 5 | 28 |
| 8F RF | PW | LinStatic | | Diaph D1 Y | 0.00074 | 0.000127 | 5.837 | 40 | 3.75 | 5 | 28 |
| 8F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003857 | 0.003625 | 1.064 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000767 | 0.000404 | 1.898 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004675 | 0.003722 | 1.256 | 45 | 26.8 | 14.8 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003872 | 0.003579 | 1.082 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001145 | 0.000758 | 1.511 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003482 | 0.003044 | 1.144 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001153 | 0.000814 | 1.416 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004124 | 0.003883 | 1.062 | 33 | 3.75 | 19.6 | 28 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 8F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.00191 | 0.001419 | 1.346 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003919 | 0.003452 | 1.136 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001217 | 0.000925 | 1.315 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon11 | Combination | | Diaph D1 X | 0.004238 | 0.002091 | 2.027 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon11 | Combination | | Diaph D1 Y | 0.00446 | 0.001063 | 4.196 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon12 | Combination | | Diaph D1 X | 0.004541 | 0.002277 | 1.994 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon12 | Combination | | Diaph D1 Y | 0.00475 | 0.00117 | 4.06 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003901 | 0.001995 | 1.956 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004506 | 0.001639 | 2.75 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005809 | 0.004632 | 1.254 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003511 | 0.00146 | 2.405 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.004514 | 0.00178 | 2.536 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.00649 | 0.005167 | 1.256 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004152 | 0.002298 | 1.807 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005271 | 0.002363 | 2.231 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.006188 | 0.005039 | 1.228 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003948 | 0.001867 | 2.114 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.004579 | 0.001784 | 2.567 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.006844 | 0.00547 | 1.251 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.002943 | 0.000745 | 3.95 | 48 | 26.8 | 12 | 28 |
| 8F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003915 | 0.002032 | 1.927 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004448 | 0.001617 | 2.75 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005749 | 0.004594 | 1.251 | 41 | 7 | 5 | 28 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|--------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 8F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003525 | 0.001497 | 2.355 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004456 | 0.001759 | 2.534 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006429 | 0.00513 | 1.253 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004166 | 0.002335 | 1.784 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.005213 | 0.002341 | 2.227 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.006127 | 0.005002 | 1.225 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003962 | 0.001905 | 2.08 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004521 | 0.001763 | 2.565 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006784 | 0.005433 | 1.249 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.002928 | 0.000766 | 3.82 | 48 | 26.8 | 12 | 28 |
| 7F RF | Dead | LinStatic | | Diaph D1 X | 0.001649 | 0.000826 | 1.995 | 41 | 7 | 5 | 24.5 |
| 7F RF | Dead | LinStatic | | Diaph D1 Y | 0.001584 | 0.000284 | 5.583 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | Live | LinStatic | | Diaph D1 X | 0.000203 | 0.00012 | 1.696 | 41 | 7 | 5 | 24.5 |
| 7F RF | Live | LinStatic | | Diaph D1 Y | 0.000182 | 5E-05 | 3.63 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | FF | LinStatic | | Diaph D1 X | 0.00087 | 0.000398 | 2.186 | 41 | 7 | 5 | 24.5 |
| 7F RF | FF | LinStatic | | Diaph D1 Y | 0.000843 | 9.6E-05 | 8.739 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | PW | LinStatic | | Diaph D1 X | 0.000752 | 0.000333 | 2.255 | 41 | 7 | 5 | 24.5 |
| 7F RF | PW | LinStatic | | Diaph D1 Y | 0.000702 | 4.1E-05 | 17.279 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.00391 | 0.003677 | 1.063 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000764 | 0.000399 | 1.917 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.001008 | 0.000376 | 2.68 | 41 | 7 | 5 | 24.5 |
| 7F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.00467 | 0.003668 | 1.273 | 45 | 26.8 | 14.8 | 24.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 7F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003733 | 0.003499 | 1.067 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001117 | 0.000731 | 1.528 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.00344 | 0.003016 | 1.141 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001121 | 0.000789 | 1.421 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004083 | 0.003834 | 1.065 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001865 | 0.001387 | 1.344 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003919 | 0.003478 | 1.127 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001196 | 0.000898 | 1.331 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon11 | Combination | | Diaph D1 X | 0.004414 | 0.002103 | 2.099 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon11 | Combination | | Diaph D1 Y | 0.004225 | 0.000568 | 7.436 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon12 | Combination | | Diaph D1 X | 0.004719 | 0.002282 | 2.068 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon12 | Combination | | Diaph D1 Y | 0.004498 | 0.000643 | 6.991 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003877 | 0.001906 | 2.034 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004301 | 0.001231 | 3.493 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.005922 | 0.004609 | 1.285 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.003068 | 0.000503 | 6.106 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003584 | 0.001422 | 2.52 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.004305 | 0.001374 | 3.133 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006597 | 0.005092 | 1.295 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004227 | 0.00224 | 1.887 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.005049 | 0.001955 | 2.582 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.006369 | 0.005071 | 1.256 | 41 | 7 | 5 | 24.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 7F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.004063 | 0.001885 | 2.155 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.00438 | 0.001379 | 3.177 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.006915 | 0.005427 | 1.274 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.003486 | 0.001083 | 3.218 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003888 | 0.001942 | 2.002 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004247 | 0.001216 | 3.491 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.005861 | 0.004573 | 1.282 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.003044 | 0.000518 | 5.881 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003595 | 0.001458 | 2.466 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004251 | 0.001359 | 3.127 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006536 | 0.005056 | 1.293 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004238 | 0.002276 | 1.862 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.004994 | 0.00194 | 2.574 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.006308 | 0.005035 | 1.253 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.002978 | 0.000522 | 5.706 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.004074 | 0.001921 | 2.121 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004325 | 0.001364 | 3.172 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.006854 | 0.005391 | 1.271 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.003462 | 0.001098 | 3.152 | 48 | 26.8 | 12 | 24.5 |
| 6F RF | Dead | LinStatic | | Diaph D1 X | 0.001734 | 0.000847 | 2.048 | 40 | 3.75 | 5 | 21 |
| 6F RF | Dead | LinStatic | | Diaph D1 Y | 0.001488 | 8.6E-05 | 17.237 | 40 | 3.75 | 5 | 21 |
| 6F RF | Live | LinStatic | | Diaph D1 X | 0.000208 | 0.000117 | 1.777 | 40 | 3.75 | 5 | 21 |
| 6F RF | Live | LinStatic | | Diaph D1 Y | 0.00017 | 2.7E-05 | 6.385 | 40 | 3.75 | 5 | 21 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 6F RF | FF | LinStatic | | Diaph D1 X | 0.000933 | 0.000418 | 2.229 | 41 | 7 | 5 | 21 |
| 6F RF | PW | LinStatic | | Diaph D1 X | 0.000812 | 0.000357 | 2.274 | 41 | 7 | 5 | 21 |
| 6F RF | PW | LinStatic | | Diaph D1 Y | 0.000773 | 5.5E-05 | 14.103 | 48 | 26.8 | 12 | 21 |
| 6F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003912 | 0.003679 | 1.063 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000752 | 0.000389 | 1.931 | 39 | 3.75 | 10 | 21 |
| 6F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.001122 | 0.000459 | 2.444 | 41 | 7 | 5 | 21 |
| 6F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004623 | 0.003572 | 1.294 | 45 | 26.8 | 14.8 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003542 | 0.00336 | 1.054 | 32 | 11.4 | 19.6 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001076 | 0.000689 | 1.56 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003345 | 0.002938 | 1.139 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001077 | 0.000754 | 1.428 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.004008 | 0.003767 | 1.064 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001794 | 0.00132 | 1.359 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003898 | 0.003465 | 1.125 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001156 | 0.00086 | 1.344 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon11 | Combination | | Diaph D1 X | 0.004697 | 0.00219 | 2.145 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon12 | Combination | | Diaph D1 X | 0.005009 | 0.002366 | 2.117 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003769 | 0.001703 | 2.213 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004073 | 0.000784 | 5.196 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.006072 | 0.004595 | 1.321 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.003665 | 0.000872 | 4.202 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003572 | 0.00128 | 2.79 | 31 | 15.8 | 19.6 | 21 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 6F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.004074 | 0.000917 | 4.443 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006722 | 0.005018 | 1.339 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.0034 | 0.000739 | 4.6 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004235 | 0.00211 | 2.007 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.004791 | 0.001487 | 3.223 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.006574 | 0.005122 | 1.283 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.003587 | 0.000873 | 4.111 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.004124 | 0.001807 | 2.282 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.004153 | 0.000917 | 4.528 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.007069 | 0.005425 | 1.303 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.004088 | 0.001442 | 2.834 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003777 | 0.001738 | 2.173 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004022 | 0.000776 | 5.184 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.00601 | 0.00456 | 1.318 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.00363 | 0.00088 | 4.124 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003579 | 0.001315 | 2.722 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.004023 | 0.000909 | 4.426 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006659 | 0.004983 | 1.336 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.003365 | 0.000747 | 4.503 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004243 | 0.002145 | 1.978 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.00474 | 0.001479 | 3.206 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.006512 | 0.005087 | 1.28 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.003552 | 0.000881 | 4.033 | 48 | 26.8 | 12 | 21 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 6F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.004132 | 0.001842 | 2.243 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.004102 | 0.000909 | 4.512 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.007006 | 0.00539 | 1.3 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.004053 | 0.00145 | 2.795 | 48 | 26.8 | 12 | 21 |
| 5F RF | Dead | LinStatic | | Diaph D1 X | 0.00186 | 0.0009 | 2.067 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | Dead | LinStatic | | Diaph D1 Y | 0.001654 | 0.000135 | 12.267 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | Live | LinStatic | | Diaph D1 X | 0.000216 | 0.000117 | 1.849 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | FF | LinStatic | | Diaph D1 X | 0.001023 | 0.000461 | 2.22 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | FF | LinStatic | | Diaph D1 Y | 0.001033 | 0.000145 | 7.118 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | PW | LinStatic | | Diaph D1 X | 0.000898 | 0.000401 | 2.237 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | PW | LinStatic | | Diaph D1 Y | 0.000946 | 0.000162 | 5.831 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003854 | 0.003627 | 1.063 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.000729 | 0.000372 | 1.96 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.001272 | 0.000572 | 2.224 | 41 | 7 | 5 | 17.5 |
| 5F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004521 | 0.003427 | 1.319 | 45 | 26.8 | 14.8 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003306 | 0.003166 | 1.044 | 32 | 11.4 | 19.6 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.001019 | 0.000636 | 1.602 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003197 | 0.002813 | 1.137 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.001018 | 0.000713 | 1.427 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003904 | 0.0037 | 1.055 | 32 | 11.4 | 19.6 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001696 | 0.00123 | 1.378 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003804 | 0.003386 | 1.123 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.001095 | 0.000815 | 1.343 | 40 | 3.75 | 5 | 17.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 5F RF | UDCon11 | Combination | | Diaph D1 X | 0.005104 | 0.002379 | 2.145 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon11 | Combination | | Diaph D1 Y | 0.004905 | 0.000597 | 8.216 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon12 | Combination | | Diaph D1 X | 0.005428 | 0.002554 | 2.125 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon12 | Combination | | Diaph D1 Y | 0.00514 | 0.000596 | 8.62 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003557 | 0.001368 | 2.599 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.003815 | 0.000278 | 13.736 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.006274 | 0.00461 | 1.361 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.004358 | 0.00129 | 3.379 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003448 | 0.001015 | 3.396 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.003814 | 0.000406 | 9.401 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006872 | 0.004963 | 1.385 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.004101 | 0.001162 | 3.53 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004155 | 0.001902 | 2.184 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.004491 | 0.000949 | 4.731 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.006815 | 0.005184 | 1.315 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.004252 | 0.001275 | 3.334 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.004055 | 0.001589 | 2.552 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.003891 | 0.000391 | 9.948 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.007341 | 0.005497 | 1.335 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.004767 | 0.001833 | 2.6 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003562 | 0.001403 | 2.538 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.003767 | 0.000278 | 13.573 | 40 | 3.75 | 5 | 17.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 5F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.00621 | 0.004575 | 1.357 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.004311 | 0.00129 | 3.342 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003453 | 0.00105 | 3.287 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.003766 | 0.000406 | 9.288 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006807 | 0.004928 | 1.381 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.004054 | 0.001162 | 3.489 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.00416 | 0.001937 | 2.148 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.004444 | 0.000949 | 4.682 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.00675 | 0.005149 | 1.311 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.004205 | 0.001275 | 3.297 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.00406 | 0.001624 | 2.5 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.003843 | 0.000391 | 9.831 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.007276 | 0.005462 | 1.332 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.00472 | 0.001834 | 2.574 | 48 | 26.8 | 12 | 17.5 |
| 4F RF | Dead | LinStatic | | Diaph D1 X | 0.001985 | 0.000961 | 2.066 | 40 | 3.75 | 5 | 14 |
| 4F RF | Dead | LinStatic | | Diaph D1 Y | 0.002041 | 0.000391 | 5.225 | 48 | 26.8 | 12 | 14 |
| 4F RF | Live | LinStatic | | Diaph D1 X | 0.000223 | 0.000117 | 1.915 | 40 | 3.75 | 5 | 14 |
| 4F RF | Live | LinStatic | | Diaph D1 Y | 0.000201 | 2.9E-05 | 6.857 | 48 | 26.8 | 12 | 14 |
| 4F RF | FF | LinStatic | | Diaph D1 X | 0.001113 | 0.000508 | 2.192 | 40 | 3.75 | 5 | 14 |
| 4F RF | FF | LinStatic | | Diaph D1 Y | 0.001267 | 0.000294 | 4.308 | 48 | 26.8 | 12 | 14 |
| 4F RF | PW | LinStatic | | Diaph D1 X | 0.000985 | 0.000451 | 2.185 | 40 | 3.75 | 5 | 14 |
| 4F RF | PW | LinStatic | | Diaph D1 Y | 0.001146 | 0.000288 | 3.976 | 48 | 26.8 | 12 | 14 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 4F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.00375 | 0.003532 | 1.062 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.00146 | 0.0007 | 2.085 | 40 | 3.75 | 5 | 14 |
| 4F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004338 | 0.003219 | 1.347 | 45 | 26.8 | 14.8 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.003061 | 0.002942 | 1.04 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.000948 | 0.000583 | 1.626 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.003031 | 0.002664 | 1.137 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.000947 | 0.000663 | 1.429 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003828 | 0.003616 | 1.059 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.00157 | 0.001129 | 1.39 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003652 | 0.003256 | 1.122 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.00101 | 0.000742 | 1.361 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | UDCon11 | Combination | | Diaph D1 X | 0.005513 | 0.002591 | 2.127 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon11 | Combination | | Diaph D1 Y | 0.006012 | 0.001313 | 4.578 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon12 | Combination | | Diaph D1 X | 0.005847 | 0.002766 | 2.114 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon12 | Combination | | Diaph D1 Y | 0.006314 | 0.001357 | 4.652 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003297 | 0.000985 | 3.348 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.004106 | 0.000306 | 13.412 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.006453 | 0.004617 | 1.398 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.005174 | 0.001783 | 2.902 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003263 | 0.000708 | 4.611 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.003854 | 0.000181 | 21.327 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.006973 | 0.004894 | 1.425 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.004921 | 0.001657 | 2.97 | 48 | 26.8 | 12 | 14 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 4F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004064 | 0.001659 | 2.45 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.004115 | 0.000324 | 12.689 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.007017 | 0.005208 | 1.347 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.00505 | 0.001755 | 2.878 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.003882 | 0.001299 | 2.988 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.003978 | 0.000209 | 19.06 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.007554 | 0.005568 | 1.357 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.005561 | 0.002288 | 2.431 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.0033 | 0.00102 | 3.236 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.004046 | 0.000297 | 13.606 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.006386 | 0.004582 | 1.394 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.005113 | 0.001774 | 2.883 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003266 | 0.000743 | 4.398 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.003793 | 0.000172 | 22.068 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.006906 | 0.004859 | 1.421 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.004861 | 0.001648 | 2.949 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004067 | 0.001694 | 2.401 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.004073 | 0.000333 | 12.225 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.00695 | 0.005173 | 1.343 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.004989 | 0.001746 | 2.858 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.003885 | 0.001334 | 2.912 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.003917 | 0.0002 | 19.598 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.007487 | 0.005533 | 1.353 | 40 | 3.75 | 5 | 14 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 4F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.0055 | 0.002279 | 2.414 | 48 | 26.8 | 12 | 14 |
| 3F RF | Dead | LinStatic | | Diaph D1 X | 0.002314 | 0.000996 | 2.323 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Dead | LinStatic | | Diaph D1 Y | 0.00266 | 0.000752 | 3.536 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | Live | LinStatic | | Diaph D1 X | 0.00025 | 0.000112 | 2.24 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Live | LinStatic | | Diaph D1 Y | 0.000273 | 7.1E-05 | 3.816 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | FF | LinStatic | | Diaph D1 X | 0.001327 | 0.000538 | 2.468 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | FF | LinStatic | | Diaph D1 Y | 0.001648 | 0.000509 | 3.237 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | PW | LinStatic | | Diaph D1 X | 0.001183 | 0.000488 | 2.425 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | PW | LinStatic | | Diaph D1 Y | 0.001471 | 0.00047 | 3.129 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003637 | 0.003358 | 1.083 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.001693 | 0.00085 | 1.992 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004195 | 0.002993 | 1.402 | 48 | 26.8 | 12 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.002862 | 0.00268 | 1.068 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.00084 | 0.000501 | 1.678 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.002863 | 0.002503 | 1.144 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.000839 | 0.000572 | 1.467 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003732 | 0.003434 | 1.087 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001382 | 0.001013 | 1.364 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003478 | 0.00304 | 1.144 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.000886 | 0.000645 | 1.373 | 39 | 3.75 | 10 | 10.5 |
| 3F RF | UDCon11 | Combination | | Diaph D1 X | 0.006513 | 0.002729 | 2.386 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon11 | Combination | | Diaph D1 Y | 0.007801 | 0.002337 | 3.338 | 45 | 26.8 | 14.8 | 10.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 3F RF | UDCon12 | Combination | | Diaph D1 X | 0.006888 | 0.002897 | 2.378 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon12 | Combination | | Diaph D1 Y | 0.00821 | 0.002444 | 3.359 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.003647 | 0.000623 | 5.857 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.00542 | 0.001113 | 4.872 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.007042 | 0.004553 | 1.547 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.006543 | 0.002514 | 2.603 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.003642 | 0.000443 | 8.225 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.005177 | 0.000992 | 5.22 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.007397 | 0.004733 | 1.563 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.0063 | 0.002393 | 2.633 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.004501 | 0.001369 | 3.288 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.004826 | 0.000544 | 8.864 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.007501 | 0.005088 | 1.474 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.006465 | 0.002498 | 2.588 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.004254 | 0.000978 | 4.349 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.005255 | 0.001008 | 5.216 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.008036 | 0.005479 | 1.467 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.006894 | 0.002961 | 2.328 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.003639 | 0.000656 | 5.546 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.005339 | 0.001091 | 4.893 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.006967 | 0.00452 | 1.542 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.006461 | 0.002492 | 2.593 | 45 | 26.8 | 14.8 | 10.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|--------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 3F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.003634 | 0.000476 | 7.631 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.005096 | 0.00097 | 5.251 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.007322 | 0.004699 | 1.558 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.006218 | 0.002371 | 2.622 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.004493 | 0.001402 | 3.204 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.004744 | 0.000523 | 9.071 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.007426 | 0.005055 | 1.469 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.006383 | 0.002477 | 2.578 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.004246 | 0.001011 | 4.198 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.005174 | 0.000986 | 5.246 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.007961 | 0.005446 | 1.462 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.006813 | 0.00294 | 2.318 | 45 | 26.8 | 14.8 | 10.5 |
| 2F RF | Dead | LinStatic | | Diaph D1 X | 0.003201 | 0.001202 | 2.662 | 43 | 26.8 | 5 | 7 |
| 2F RF | Dead | LinStatic | | Diaph D1 Y | 0.003413 | 0.001209 | 2.824 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | Live | LinStatic | | Diaph D1 X | 0.000335 | 0.000124 | 2.7 | 43 | 26.8 | 5 | 7 |
| 2F RF | Live | LinStatic | | Diaph D1 Y | 0.000358 | 0.000123 | 2.91 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | FF | LinStatic | | Diaph D1 X | 0.001897 | 0.000683 | 2.778 | 43 | 26.8 | 5 | 7 |
| 2F RF | FF | LinStatic | | Diaph D1 Y | 0.002118 | 0.00078 | 2.716 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | PW | LinStatic | | Diaph D1 X | 0.0017 | 0.000629 | 2.703 | 43 | 26.8 | 5 | 7 |
| 2F RF | PW | LinStatic | | Diaph D1 Y | 0.001875 | 0.000701 | 2.675 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.003694 | 0.003165 | 1.167 | 44 | 26.8 | 19.6 | 7 |
| 2F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.002206 | 0.001149 | 1.92 | 43 | 26.8 | 5 | 7 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 2F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.004205 | 0.002777 | 1.514 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.002915 | 0.002453 | 1.189 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.000647 | 0.00038 | 1.703 | 40 | 3.75 | 5 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.002846 | 0.002338 | 1.217 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.000811 | 0.000524 | 1.547 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.003806 | 0.003208 | 1.186 | 44 | 26.8 | 19.6 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.001182 | 0.00085 | 1.391 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.003466 | 0.002817 | 1.23 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.000811 | 0.000572 | 1.418 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon11 | Combination | | Diaph D1 X | 0.009177 | 0.003394 | 2.704 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon11 | Combination | | Diaph D1 Y | 0.009999 | 0.003631 | 2.754 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon12 | Combination | | Diaph D1 X | 0.00968 | 0.00358 | 2.704 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon12 | Combination | | Diaph D1 Y | 0.010537 | 0.003816 | 2.761 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.007017 | 0.002161 | 3.248 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.008728 | 0.004889 | 1.785 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.008242 | 0.003412 | 2.416 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.005068 | 0.000213 | 23.779 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.006787 | 0.002042 | 3.324 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.008889 | 0.005004 | 1.776 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.008012 | 0.003293 | 2.433 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.005504 | 0.000608 | 9.047 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.006478 | 0.001686 | 3.843 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.009066 | 0.005368 | 1.689 | 43 | 26.8 | 5 | 7 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 2F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.008232 | 0.003425 | 2.403 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.005262 | 0.000266 | 19.799 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.006796 | 0.002028 | 3.351 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.009509 | 0.005711 | 1.665 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.008551 | 0.003768 | 2.269 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.00691 | 0.002124 | 3.254 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.008628 | 0.004852 | 1.778 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.008135 | 0.003375 | 2.41 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.006679 | 0.002005 | 3.332 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.008788 | 0.004967 | 1.769 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.007904 | 0.003256 | 2.428 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.005478 | 0.000646 | 8.485 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.006371 | 0.001649 | 3.864 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.008966 | 0.005331 | 1.682 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.008125 | 0.003388 | 2.398 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.005235 | 0.000303 | 17.278 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.006689 | 0.001991 | 3.36 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.009408 | 0.005674 | 1.658 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.008443 | 0.003731 | 2.263 | 45 | 26.8 | 14.8 | 7 |
| 1F RF | Dead | LinStatic | | Diaph D1 X | 0.006391 | 0.000547 | 11.676 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | Dead | LinStatic | | Diaph D1 Y | 0.014168 | 0.003997 | 3.545 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | Live | LinStatic | | Diaph D1 Y | 0.001591 | 0.000464 | 3.431 | 37 | 20.5 | 14.8 | 3.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|----------------|-------------|-----------|------------|-----------|-----------|--------|-------|-------------|-------------|-------------|
| 1F RF | FF | LinStatic | | Diaph D1 X | 0.00334 | 0.000305 | 10.94 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | FF | LinStatic | | Diaph D1 Y | 0.007606 | 0.002046 | 3.718 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | PW | LinStatic | | Diaph D1 X | 0.002791 | 0.00027 | 10.325 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | PW | LinStatic | | Diaph D1 Y | 0.006426 | 0.001654 | 3.886 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | Earthquake+x | LinStatic | | Diaph D1 X | 0.017115 | 0.008617 | 1.986 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | Earthquake+x | LinStatic | | Diaph D1 Y | 0.007802 | 0.001977 | 3.946 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | Earthquake+y | LinStatic | | Diaph D1 X | 0.003647 | 0.001273 | 2.865 | 28 | 20.5 | 5 | 3.5 |
| 1F RF | Earthquake+y | LinStatic | | Diaph D1 Y | 0.017288 | 0.008891 | 1.944 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Max | Diaph D1 X | 0.015603 | 0.007993 | 1.952 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Max | Diaph D1 Y | 0.009402 | 0.004827 | 1.948 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Min | Diaph D1 X | 0.015893 | 0.00816 | 1.948 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Min | Diaph D1 Y | 0.014004 | 0.007135 | 1.963 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 X | 0.02182 | 0.011177 | 1.952 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Diaph D1 Y | 0.021823 | 0.011123 | 1.962 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 X | 0.015966 | 0.008172 | 1.954 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Diaph D1 Y | 0.013942 | 0.007106 | 1.962 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon11 | Combination | | Diaph D1 X | 0.016906 | 0.001516 | 11.151 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | UDCon11 | Combination | | Diaph D1 Y | 0.03807 | 0.010389 | 3.664 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon12 | Combination | | Diaph D1 X | 0.017979 | 0.001563 | 11.499 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | UDCon12 | Combination | | Diaph D1 Y | 0.040457 | 0.011085 | 3.65 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon13 | Combination | Max | Diaph D1 X | 0.018291 | 0.00461 | 3.968 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon13 | Combination | Max | Diaph D1 Y | 0.028956 | 0.01102 | 2.627 | 37 | 20.5 | 14.8 | 3.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 1F RF | UDCon13 | Combination | Min | Diaph D1 X | 0.014412 | 0.001536 | 9.386 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon13 | Combination | Min | Diaph D1 Y | 0.028331 | 0.004769 | 5.941 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon14 | Combination | Max | Diaph D1 X | 0.018574 | 0.004656 | 3.989 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon14 | Combination | Max | Diaph D1 Y | 0.029024 | 0.010901 | 2.662 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon14 | Combination | Min | Diaph D1 X | 0.015878 | 0.002258 | 7.031 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon14 | Combination | Min | Diaph D1 Y | 0.028399 | 0.004469 | 6.354 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon15 | Combination | Max | Diaph D1 X | 0.024479 | 0.00786 | 3.114 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon15 | Combination | Max | Diaph D1 Y | 0.029101 | 0.011409 | 2.551 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon15 | Combination | Min | Diaph D1 X | 0.014799 | 0.001882 | 7.863 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon15 | Combination | Min | Diaph D1 Y | 0.028287 | 0.003631 | 7.789 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon16 | Combination | Max | Diaph D1 X | 0.018653 | 0.004841 | 3.853 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon16 | Combination | Max | Diaph D1 Y | 0.029068 | 0.01119 | 2.598 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon16 | Combination | Min | Diaph D1 X | 0.01938 | 0.004197 | 4.618 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | UDCon16 | Combination | Min | Diaph D1 Y | 0.028253 | 0.003083 | 9.165 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon17 | Combination | Max | Diaph D1 X | 0.018247 | 0.004685 | 3.895 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon17 | Combination | Max | Diaph D1 Y | 0.028479 | 0.010853 | 2.624 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon17 | Combination | Min | Diaph D1 X | 0.014331 | 0.001602 | 8.944 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon17 | Combination | Min | Diaph D1 Y | 0.027853 | 0.00463 | 6.016 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon18 | Combination | Max | Diaph D1 X | 0.01853 | 0.004732 | 3.916 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon18 | Combination | Max | Diaph D1 Y | 0.028547 | 0.010762 | 2.653 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon18 | Combination | Min | Diaph D1 X | 0.015797 | 0.002325 | 6.794 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon18 | Combination | Min | Diaph D1 Y | 0.027921 | 0.00433 | 6.448 | 37 | 20.5 | 14.8 | 3.5 |

Table 3.4 - Diaphragm Max Over Avg Drifts (continued)

| Story | Output Case | Case Type | Step Type | Item | Max Drift | Avg Drift | Ratio | Label | Max Loc X m | Max Loc Y m | Max Loc Z m |
|-------|-------------|-------------|-----------|------------|-----------|-----------|-------|-------|-------------|-------------|-------------|
| 1F RF | UDCon19 | Combination | Max | Diaph D1 X | 0.024435 | 0.007936 | 3.079 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon19 | Combination | Max | Diaph D1 Y | 0.028624 | 0.01127 | 2.54 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon19 | Combination | Min | Diaph D1 X | 0.014718 | 0.001949 | 7.552 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon19 | Combination | Min | Diaph D1 Y | 0.02781 | 0.003492 | 7.963 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon20 | Combination | Max | Diaph D1 X | 0.018609 | 0.004917 | 3.785 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon20 | Combination | Max | Diaph D1 Y | 0.02859 | 0.011023 | 2.594 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon20 | Combination | Min | Diaph D1 X | 0.019419 | 0.004324 | 4.491 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | UDCon20 | Combination | Min | Diaph D1 Y | 0.027776 | 0.002845 | 9.763 | 37 | 20.5 | 14.8 | 3.5 |

Table 3.5 - Diaphragm Accelerations

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm/sec2 | UY mm/sec2 | UZ mm/sec2 | RX rad/sec2 | RY rad/sec2 | RZ rad/sec2 |
|--------|-----------|----------------|------------|-----------|------------|------------|------------|-------------|-------------|-------------|
| 14 | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 962.92 | 618.13 | 0.145 | 0.126 | 0.082 |
| 14 | D1 | TH-X Load Case | LinModHist | Min | -2349.67 | -894.66 | -433.51 | -0.125 | -0.186 | -0.07 |
| 14 | D1 | TH-Y Load Case | LinModHist | Max | 2199.27 | 1039.94 | 515.71 | 0.179 | 0.137 | 0.117 |
| 14 | D1 | TH-Y Load Case | LinModHist | Min | -2214.9 | -1416.67 | -445.81 | -0.176 | -0.16 | -0.088 |
| 13 | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 893.67 | 603.05 | 0.143 | 0.121 | 0.066 |
| 13 | D1 | TH-X Load Case | LinModHist | Min | -1840.22 | -722.13 | -419.77 | -0.123 | -0.182 | -0.061 |
| 13 | D1 | TH-Y Load Case | LinModHist | Max | 1824.17 | 825.52 | 504.25 | 0.176 | 0.133 | 0.102 |
| 13 | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1265.22 | -438.14 | -0.173 | -0.157 | -0.069 |
| 12F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 820.09 | 568.89 | 0.138 | 0.112 | 0.052 |
| 12F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -609.27 | -389.51 | -0.117 | -0.171 | -0.052 |
| 12F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 788.8 | 477.03 | 0.169 | 0.129 | 0.086 |
| 12F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1108.55 | -422 | -0.166 | -0.146 | -0.059 |
| 11F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 738.94 | 514.4 | 0.131 | 0.111 | 0.043 |
| 11F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -516.02 | -351.74 | -0.11 | -0.151 | -0.041 |
| 11F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 742.19 | 433 | 0.158 | 0.125 | 0.068 |
| 11F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -945.88 | -393.87 | -0.156 | -0.129 | -0.047 |
| 10F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 663.7 | 442.46 | 0.121 | 0.107 | 0.034 |
| 10F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -422.56 | -343.8 | -0.103 | -0.124 | -0.042 |
| 10F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 682.69 | 374.61 | 0.143 | 0.118 | 0.049 |
| 10F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -866.74 | -354.11 | -0.142 | -0.117 | -0.033 |
| 9F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 729.75 | 358.84 | 0.112 | 0.1 | 0.038 |
| 9F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -543.15 | -328.09 | -0.107 | -0.097 | -0.051 |
| 9F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 609.28 | 393.25 | 0.125 | 0.108 | 0.064 |
| 9F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1017.82 | -314.35 | -0.13 | -0.103 | -0.042 |

Table 3.5 - Diaphragm Accelerations (continued)

| Story | Diaphragm | Output Case | Case Type | Step Type | UX mm/sec2 | UY mm/sec2 | UZ mm/sec2 | RX rad/sec2 | RY rad/sec2 | RZ rad/sec2 |
|-------|-----------|----------------|------------|-----------|---------------|---------------|---------------|----------------|----------------|----------------|
| 8F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 774.02 | 342.98 | 0.104 | 0.092 | 0.049 |
| 8F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -643.72 | -338.58 | -0.11 | -0.09 | -0.058 |
| 8F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 645.01 | 449.51 | 0.107 | 0.095 | 0.077 |
| 8F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1146.86 | -296.01 | -0.119 | -0.107 | -0.057 |
| 7F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 796.95 | 374.76 | 0.095 | 0.092 | 0.058 |
| 7F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -723.69 | -333.84 | -0.109 | -0.09 | -0.062 |
| 7F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 854.69 | 484.49 | 0.097 | 0.082 | 0.087 |
| 7F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1252.81 | -335.54 | -0.115 | -0.118 | -0.07 |
| 6F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 916.1 | 388.49 | 0.084 | 0.086 | 0.07 |
| 6F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -785.74 | -311.51 | -0.105 | -0.098 | -0.069 |
| 6F RF | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 1032.86 | 491.79 | 0.097 | 0.093 | 0.096 |
| 6F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1336.77 | -364.24 | -0.113 | -0.119 | -0.082 |
| 5F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 1059.17 | 381.84 | 0.073 | 0.079 | 0.081 |
| 5F RF | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -928.4 | -316.66 | -0.097 | -0.108 | -0.084 |
| 5F RF | D1 | TH-Y Load Case | LinModHist | Max | 2049.5 | 1177.79 | 468.94 | 0.092 | 0.096 | 0.102 |
| 5F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1400.15 | -373.17 | -0.106 | -0.112 | -0.091 |
| 4F RF | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 1173.88 | 355.17 | 0.061 | 0.077 | 0.091 |
| 4F RF | D1 | TH-X Load Case | LinModHist | Min | -1724.02 | -1048.82 | -324.8 | -0.085 | -0.113 | -0.097 |
| 4F RF | D1 | TH-Y Load Case | LinModHist | Max | 2454.9 | 1289.89 | 417.49 | 0.083 | 0.093 | 0.106 |
| 4F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1445.39 | -362.38 | -0.095 | -0.097 | -0.099 |
| 3F RF | D1 | TH-X Load Case | LinModHist | Max | 2078.74 | 1261.28 | 322.18 | 0.056 | 0.077 | 0.099 |
| 3F RF | D1 | TH-X Load Case | LinModHist | Min | -1828.64 | -1148.02 | -317.42 | -0.069 | -0.115 | -0.106 |
| 3F RF | D1 | TH-Y Load Case | LinModHist | Max | 2789.73 | 1372.68 | 349.99 | 0.071 | 0.095 | 0.109 |
| 3F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1475.65 | -337.99 | -0.08 | -0.092 | -0.104 |
| 2F RF | D1 | TH-X Load Case | LinModHist | Max | 2165.91 | 1326.22 | 284.89 | 0.064 | 0.082 | 0.105 |
| 2F RF | D1 | TH-X Load Case | LinModHist | Min | -1844.04 | -1225.99 | -264.04 | -0.057 | -0.099 | -0.114 |
| 2F RF | D1 | TH-Y Load Case | LinModHist | Max | 2888.75 | 1429.44 | 284.85 | 0.075 | 0.089 | 0.111 |
| 2F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1406.93 | -266.82 | -0.07 | -0.112 | -0.109 |
| 1F RF | D1 | TH-X Load Case | LinModHist | Max | 2261.48 | 1370.72 | 411.61 | 0.097 | 0.247 | 0.12 |
| 1F RF | D1 | TH-X Load Case | LinModHist | Min | -1869.49 | -1287.79 | -311.17 | -0.105 | -0.344 | -0.118 |
| 1F RF | D1 | TH-Y Load Case | LinModHist | Max | 3029.83 | 1467.04 | 393.44 | 0.11 | 0.302 | 0.115 |
| 1F RF | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -1418.53 | -362.52 | -0.114 | -0.301 | -0.123 |
| Base | D1 | TH-X Load Case | LinModHist | Max | 2065.9 | 41.23 | 1049.17 | 0.687 | 0.891 | 0.042 |
| Base | D1 | TH-X Load Case | LinModHist | Min | -1645.67 | -45.1 | -967.47 | -0.813 | -1.086 | -0.057 |
| Base | D1 | TH-Y Load Case | LinModHist | Max | 1636.15 | 41.69 | 1038.69 | 0.729 | 0.995 | 0.05 |
| Base | D1 | TH-Y Load Case | LinModHist | Min | -1922.3 | -44.63 | -970.14 | -0.82 | -1.084 | -0.054 |

3.2 Story Results

Table 3.6 - Story Max Over Avg Displacements

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-----------|-----------|-----------|---------------|---------------|-------|
| 14 | Dead | LinStatic | | X | 85.99 | 42.135 | 2.041 |
| 13 | Dead | LinStatic | | X | 80.609 | 38.795 | 2.078 |
| 12F RF | Dead | LinStatic | | X | 75.206 | 35.488 | 2.119 |
| 12F RF | Dead | LinStatic | | Y | 67.238 | 4.549 | 14.78 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-----------|-----------|-----------|------------|------------|--------|
| 11F RF | Dead | LinStatic | | X | 69.796 | 32.249 | 2.164 |
| 11F RF | Dead | LinStatic | | Y | 67.195 | 7.927 | 8.477 |
| 10F RF | Dead | LinStatic | | X | 64.376 | 29.093 | 2.213 |
| 10F RF | Dead | LinStatic | | Y | 66.671 | 10.973 | 6.076 |
| 9F RF | Dead | LinStatic | | X | 58.934 | 26.027 | 2.264 |
| 9F RF | Dead | LinStatic | | Y | 65.569 | 13.62 | 4.814 |
| 8F RF | Dead | LinStatic | | X | 53.446 | 23.05 | 2.319 |
| 8F RF | Dead | LinStatic | | Y | 63.793 | 15.799 | 4.038 |
| 7F RF | Dead | LinStatic | | X | 47.863 | 20.141 | 2.376 |
| 7F RF | Dead | LinStatic | | Y | 61.248 | 17.438 | 3.512 |
| 6F RF | Dead | LinStatic | | X | 42.109 | 17.25 | 2.441 |
| 6F RF | Dead | LinStatic | | Y | 57.836 | 18.464 | 3.132 |
| 5F RF | Dead | LinStatic | | X | 36.281 | 14.394 | 2.521 |
| 5F RF | Dead | LinStatic | | Y | 53.442 | 18.798 | 2.843 |
| 4F RF | Dead | LinStatic | | X | 30.343 | 11.489 | 2.641 |
| 4F RF | Dead | LinStatic | | Y | 47.892 | 18.351 | 2.61 |
| 3F RF | Dead | LinStatic | | X | 23.984 | 8.377 | 2.863 |
| 3F RF | Dead | LinStatic | | Y | 40.862 | 16.993 | 2.405 |
| 2F RF | Dead | LinStatic | | X | 16.069 | 4.687 | 3.428 |
| 2F RF | Dead | LinStatic | | Y | 31.758 | 14.421 | 2.202 |
| 1F RF | Dead | LinStatic | | X | 9.045 | 2.118 | 4.27 |
| 1F RF | Dead | LinStatic | | Y | 21.633 | 10.719 | 2.018 |
| Base | Dead | LinStatic | | Y | 0.069 | 0.034 | 2 |
| 14 | Live | LinStatic | | X | 10.365 | 5.876 | 1.764 |
| 14 | Live | LinStatic | | Y | 8.358 | 1.272 | 6.572 |
| 13 | Live | LinStatic | | X | 9.641 | 5.346 | 1.803 |
| 13 | Live | LinStatic | | Y | 7.535 | 0.757 | 9.951 |
| 12F RF | Live | LinStatic | | X | 8.917 | 4.824 | 1.849 |
| 11F RF | Live | LinStatic | | X | 8.197 | 4.314 | 1.9 |
| 10F RF | Live | LinStatic | | X | 7.483 | 3.82 | 1.959 |
| 10F RF | Live | LinStatic | | Y | 6.394 | 0.612 | 10.442 |
| 9F RF | Live | LinStatic | | X | 6.774 | 3.345 | 2.025 |
| 9F RF | Live | LinStatic | | Y | 6.397 | 0.984 | 6.499 |
| 8F RF | Live | LinStatic | | X | 6.069 | 2.89 | 2.1 |
| 8F RF | Live | LinStatic | | Y | 6.32 | 1.3 | 4.86 |
| 7F RF | Live | LinStatic | | X | 5.365 | 2.454 | 2.186 |
| 7F RF | Live | LinStatic | | Y | 6.153 | 1.553 | 3.963 |
| 6F RF | Live | LinStatic | | X | 4.656 | 2.035 | 2.288 |
| 6F RF | Live | LinStatic | | Y | 5.884 | 1.732 | 3.397 |
| 5F RF | Live | LinStatic | | X | 3.954 | 1.637 | 2.416 |
| 5F RF | Live | LinStatic | | Y | 5.499 | 1.829 | 3.006 |
| 4F RF | Live | LinStatic | | X | 3.257 | 1.254 | 2.598 |
| 4F RF | Live | LinStatic | | Y | 4.979 | 1.834 | 2.714 |
| 3F RF | Live | LinStatic | | X | 2.537 | 0.87 | 2.915 |
| 3F RF | Live | LinStatic | | Y | 4.287 | 1.732 | 2.475 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-----------|-----------|-----------|------------|------------|--------|
| 2F RF | Live | LinStatic | | X | 1.681 | 0.456 | 3.689 |
| 2F RF | Live | LinStatic | | Y | 3.354 | 1.488 | 2.254 |
| 1F RF | Live | LinStatic | | X | 0.946 | 0.187 | 5.062 |
| 1F RF | Live | LinStatic | | Y | 2.324 | 1.126 | 2.064 |
| Base | Live | LinStatic | | X | 0.002 | 0.001 | 2 |
| Base | Live | LinStatic | | Y | 0.006 | 0.003 | 2 |
| 14 | FF | LinStatic | | X | 45.757 | 20.524 | 2.229 |
| 13 | FF | LinStatic | | X | 43.089 | 18.964 | 2.272 |
| 13 | FF | LinStatic | | Y | 41.253 | 3.175 | 12.993 |
| 12F RF | FF | LinStatic | | X | 40.4 | 17.421 | 2.319 |
| 12F RF | FF | LinStatic | | Y | 41.307 | 5.035 | 8.204 |
| 11F RF | FF | LinStatic | | X | 37.695 | 15.91 | 2.369 |
| 11F RF | FF | LinStatic | | Y | 41.133 | 6.743 | 6.1 |
| 10F RF | FF | LinStatic | | X | 34.968 | 14.436 | 2.422 |
| 10F RF | FF | LinStatic | | Y | 40.673 | 8.26 | 4.924 |
| 9F RF | FF | LinStatic | | X | 32.208 | 13.003 | 2.477 |
| 9F RF | FF | LinStatic | | Y | 39.869 | 9.549 | 4.175 |
| 8F RF | FF | LinStatic | | X | 29.397 | 11.606 | 2.533 |
| 8F RF | FF | LinStatic | | Y | 38.663 | 10.569 | 3.658 |
| 7F RF | FF | LinStatic | | X | 26.5 | 10.228 | 2.591 |
| 7F RF | FF | LinStatic | | Y | 36.998 | 11.28 | 3.28 |
| 6F RF | FF | LinStatic | | X | 23.462 | 8.834 | 2.656 |
| 6F RF | FF | LinStatic | | Y | 34.816 | 11.638 | 2.992 |
| 5F RF | FF | LinStatic | | X | 20.353 | 7.438 | 2.736 |
| 5F RF | FF | LinStatic | | Y | 32.046 | 11.597 | 2.763 |
| 4F RF | FF | LinStatic | | X | 17.144 | 5.983 | 2.866 |
| 4F RF | FF | LinStatic | | Y | 28.58 | 11.103 | 2.574 |
| 3F RF | FF | LinStatic | | X | 13.637 | 4.381 | 3.113 |
| 3F RF | FF | LinStatic | | Y | 24.216 | 10.078 | 2.403 |
| 2F RF | FF | LinStatic | | X | 9.111 | 2.381 | 3.826 |
| 2F RF | FF | LinStatic | | Y | 18.584 | 8.338 | 2.229 |
| 1F RF | FF | LinStatic | | X | 5.15 | 1.076 | 4.784 |
| 1F RF | FF | LinStatic | | Y | 12.316 | 5.937 | 2.074 |
| Base | FF | LinStatic | | X | 0.007 | 0.004 | 2 |
| Base | FF | LinStatic | | Y | 0.038 | 0.019 | 2 |
| 14 | PW | LinStatic | | X | 39.723 | 17.374 | 2.286 |
| 14 | PW | LinStatic | | Y | 38.486 | 3.209 | 11.993 |
| 13 | PW | LinStatic | | X | 37.481 | 16.127 | 2.324 |
| 13 | PW | LinStatic | | Y | 38.435 | 4.73 | 8.125 |
| 12F RF | PW | LinStatic | | X | 35.218 | 14.891 | 2.365 |
| 12F RF | PW | LinStatic | | Y | 38.241 | 6.155 | 6.213 |
| 11F RF | PW | LinStatic | | X | 32.936 | 13.676 | 2.408 |
| 11F RF | PW | LinStatic | | Y | 37.853 | 7.451 | 5.081 |
| 10F RF | PW | LinStatic | | X | 30.628 | 12.488 | 2.453 |
| 10F RF | PW | LinStatic | | Y | 37.221 | 8.586 | 4.335 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|--------------|-----------|-----------|-----------|------------|------------|-------|
| 9F RF | PW | LinStatic | | X | 28.283 | 11.326 | 2.497 |
| 9F RF | PW | LinStatic | | Y | 36.297 | 9.529 | 3.809 |
| 8F RF | PW | LinStatic | | X | 25.882 | 10.184 | 2.541 |
| 8F RF | PW | LinStatic | | Y | 35.032 | 10.246 | 3.419 |
| 7F RF | PW | LinStatic | | X | 23.395 | 9.046 | 2.586 |
| 7F RF | PW | LinStatic | | Y | 33.378 | 10.702 | 3.119 |
| 6F RF | PW | LinStatic | | X | 20.769 | 7.878 | 2.636 |
| 6F RF | PW | LinStatic | | Y | 31.284 | 10.861 | 2.88 |
| 5F RF | PW | LinStatic | | X | 18.068 | 6.691 | 2.7 |
| 5F RF | PW | LinStatic | | Y | 28.691 | 10.685 | 2.685 |
| 4F RF | PW | LinStatic | | X | 15.257 | 5.428 | 2.811 |
| 4F RF | PW | LinStatic | | Y | 25.506 | 10.127 | 2.519 |
| 3F RF | PW | LinStatic | | X | 12.161 | 4.01 | 3.033 |
| 3F RF | PW | LinStatic | | Y | 21.558 | 9.122 | 2.363 |
| 2F RF | PW | LinStatic | | X | 8.126 | 2.205 | 3.685 |
| 2F RF | PW | LinStatic | | Y | 16.531 | 7.516 | 2.199 |
| 1F RF | PW | LinStatic | | X | 4.568 | 0.986 | 4.635 |
| 1F RF | PW | LinStatic | | Y | 10.929 | 5.33 | 2.05 |
| Base | PW | LinStatic | | X | 0.009 | 0.005 | 2 |
| Base | PW | LinStatic | | Y | 0.036 | 0.018 | 2 |
| 14 | Earthquake+x | LinStatic | | X | 223.725 | 200.929 | 1.113 |
| 14 | Earthquake+x | LinStatic | | Y | 59.442 | 23.516 | 2.528 |
| 13 | Earthquake+x | LinStatic | | X | 213.321 | 191.168 | 1.116 |
| 13 | Earthquake+x | LinStatic | | Y | 57.063 | 22.147 | 2.576 |
| 12F RF | Earthquake+x | LinStatic | | X | 202.328 | 180.858 | 1.119 |
| 12F RF | Earthquake+x | LinStatic | | Y | 54.613 | 20.763 | 2.63 |
| 11F RF | Earthquake+x | LinStatic | | X | 190.733 | 169.977 | 1.122 |
| 11F RF | Earthquake+x | LinStatic | | Y | 52.095 | 19.363 | 2.691 |
| 10F RF | Earthquake+x | LinStatic | | X | 178.553 | 158.541 | 1.126 |
| 10F RF | Earthquake+x | LinStatic | | Y | 49.515 | 17.947 | 2.759 |
| 9F RF | Earthquake+x | LinStatic | | X | 165.84 | 146.596 | 1.131 |
| 9F RF | Earthquake+x | LinStatic | | Y | 46.886 | 16.523 | 2.838 |
| 8F RF | Earthquake+x | LinStatic | | X | 152.681 | 134.225 | 1.138 |
| 8F RF | Earthquake+x | LinStatic | | Y | 44.22 | 15.095 | 2.929 |
| 7F RF | Earthquake+x | LinStatic | | X | 139.19 | 121.535 | 1.145 |
| 7F RF | Earthquake+x | LinStatic | | Y | 41.54 | 13.672 | 3.038 |
| 6F RF | Earthquake+x | LinStatic | | X | 125.518 | 108.661 | 1.155 |
| 6F RF | Earthquake+x | LinStatic | | Y | 38.869 | 12.266 | 3.169 |
| 5F RF | Earthquake+x | LinStatic | | X | 111.84 | 95.743 | 1.168 |
| 5F RF | Earthquake+x | LinStatic | | Y | 36.254 | 10.902 | 3.325 |
| 4F RF | Earthquake+x | LinStatic | | X | 98.368 | 82.962 | 1.186 |
| 4F RF | Earthquake+x | LinStatic | | Y | 33.719 | 9.605 | 3.511 |
| 3F RF | Earthquake+x | LinStatic | | X | 85.264 | 70.52 | 1.209 |
| 3F RF | Earthquake+x | LinStatic | | Y | 31.282 | 8.409 | 3.72 |
| 2F RF | Earthquake+x | LinStatic | | X | 72.64 | 58.786 | 1.236 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|----------------|------------|-----------|-----------|------------|------------|-------|
| 2F RF | Earthquake+x | LinStatic | | Y | 29.075 | 7.427 | 3.915 |
| 1F RF | Earthquake+x | LinStatic | | X | 60.095 | 47.149 | 1.275 |
| 1F RF | Earthquake+x | LinStatic | | Y | 27.308 | 6.914 | 3.95 |
| Base | Earthquake+x | LinStatic | | X | 0.741 | 0.37 | 2 |
| 14 | Earthquake+y | LinStatic | | Y | 252.101 | 213.413 | 1.181 |
| 13 | Earthquake+y | LinStatic | | Y | 237.292 | 201.103 | 1.18 |
| 12F RF | Earthquake+y | LinStatic | | Y | 222.144 | 188.561 | 1.178 |
| 11F RF | Earthquake+y | LinStatic | | X | 37.213 | 17.63 | 2.111 |
| 11F RF | Earthquake+y | LinStatic | | Y | 206.654 | 175.801 | 1.175 |
| 10F RF | Earthquake+y | LinStatic | | X | 34.757 | 16.985 | 2.046 |
| 10F RF | Earthquake+y | LinStatic | | Y | 190.851 | 162.864 | 1.172 |
| 9F RF | Earthquake+y | LinStatic | | X | 32.084 | 16.216 | 1.979 |
| 9F RF | Earthquake+y | LinStatic | | Y | 174.792 | 149.811 | 1.167 |
| 8F RF | Earthquake+y | LinStatic | | X | 29.168 | 15.298 | 1.907 |
| 8F RF | Earthquake+y | LinStatic | | Y | 158.539 | 136.72 | 1.16 |
| 7F RF | Earthquake+y | LinStatic | | X | 25.976 | 14.199 | 1.829 |
| 7F RF | Earthquake+y | LinStatic | | Y | 142.193 | 123.698 | 1.15 |
| 6F RF | Earthquake+y | LinStatic | | X | 22.46 | 12.873 | 1.745 |
| 6F RF | Earthquake+y | LinStatic | | Y | 125.933 | 110.901 | 1.136 |
| 5F RF | Earthquake+y | LinStatic | | X | 18.628 | 11.294 | 1.649 |
| 5F RF | Earthquake+y | LinStatic | | Y | 109.909 | 98.475 | 1.116 |
| 4F RF | Earthquake+y | LinStatic | | X | 14.493 | 9.444 | 1.535 |
| 4F RF | Earthquake+y | LinStatic | | Y | 94.289 | 86.569 | 1.089 |
| 3F RF | Earthquake+y | LinStatic | | Y | 79.203 | 75.346 | 1.051 |
| 2F RF | Earthquake+y | LinStatic | | Y | 65.227 | 64.844 | 1.006 |
| 1F RF | Earthquake+y | LinStatic | | Y | 60.506 | 55.172 | 1.097 |
| Base | Earthquake+y | LinStatic | | Y | 0.283 | 0.141 | 2 |
| 14 | TH-X Load Case | LinModHist | Max | X | 190.064 | 175.779 | 1.081 |
| 14 | TH-X Load Case | LinModHist | Max | Y | 80.542 | 46.644 | 1.727 |
| 13 | TH-X Load Case | LinModHist | Max | X | 177.575 | 164.933 | 1.077 |
| 13 | TH-X Load Case | LinModHist | Max | Y | 76.686 | 44.064 | 1.74 |
| 12F RF | TH-X Load Case | LinModHist | Max | X | 165.627 | 154.104 | 1.075 |
| 12F RF | TH-X Load Case | LinModHist | Max | Y | 72.757 | 41.609 | 1.749 |
| 11F RF | TH-X Load Case | LinModHist | Max | X | 153.311 | 142.829 | 1.073 |
| 11F RF | TH-X Load Case | LinModHist | Max | Y | 68.764 | 39.585 | 1.737 |
| 10F RF | TH-X Load Case | LinModHist | Max | X | 143.844 | 132.733 | 1.084 |
| 10F RF | TH-X Load Case | LinModHist | Max | Y | 64.722 | 37.696 | 1.717 |
| 9F RF | TH-X Load Case | LinModHist | Max | X | 134.929 | 122.711 | 1.1 |
| 9F RF | TH-X Load Case | LinModHist | Max | Y | 60.657 | 35.773 | 1.696 |
| 8F RF | TH-X Load Case | LinModHist | Max | X | 125.513 | 112.303 | 1.118 |
| 8F RF | TH-X Load Case | LinModHist | Max | Y | 56.601 | 33.83 | 1.673 |
| 7F RF | TH-X Load Case | LinModHist | Max | X | 115.666 | 101.973 | 1.134 |
| 7F RF | TH-X Load Case | LinModHist | Max | Y | 52.594 | 31.884 | 1.65 |
| 6F RF | TH-X Load Case | LinModHist | Max | X | 105.494 | 91.522 | 1.153 |
| 6F RF | TH-X Load Case | LinModHist | Max | Y | 48.683 | 29.929 | 1.627 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|----------------|------------|-----------|-----------|------------|------------|-------|
| 5F RF | TH-X Load Case | LinModHist | Max | X | 95.142 | 81.407 | 1.169 |
| 5F RF | TH-X Load Case | LinModHist | Max | Y | 44.936 | 27.983 | 1.606 |
| 4F RF | TH-X Load Case | LinModHist | Max | X | 84.793 | 71.594 | 1.184 |
| 4F RF | TH-X Load Case | LinModHist | Max | Y | 41.387 | 25.953 | 1.595 |
| 3F RF | TH-X Load Case | LinModHist | Max | X | 74.677 | 62.06 | 1.203 |
| 3F RF | TH-X Load Case | LinModHist | Max | Y | 38.079 | 24.131 | 1.578 |
| 2F RF | TH-X Load Case | LinModHist | Max | X | 64.814 | 52.862 | 1.226 |
| 2F RF | TH-X Load Case | LinModHist | Max | Y | 35.146 | 22.556 | 1.558 |
| 1F RF | TH-X Load Case | LinModHist | Max | X | 54.876 | 44.027 | 1.246 |
| 1F RF | TH-X Load Case | LinModHist | Max | Y | 32.906 | 21.375 | 1.54 |
| Base | TH-X Load Case | LinModHist | Max | X | 0.742 | 0.371 | 2 |
| Base | TH-X Load Case | LinModHist | Max | Y | 0.58 | 0.29 | 2 |
| 14 | TH-X Load Case | LinModHist | Min | X | 181.599 | 154.962 | 1.172 |
| 14 | TH-X Load Case | LinModHist | Min | Y | 91.033 | 58.589 | 1.554 |
| 13 | TH-X Load Case | LinModHist | Min | X | 172.16 | 146.565 | 1.175 |
| 13 | TH-X Load Case | LinModHist | Min | Y | 87.977 | 56.211 | 1.565 |
| 12F RF | TH-X Load Case | LinModHist | Min | X | 162.222 | 137.764 | 1.178 |
| 12F RF | TH-X Load Case | LinModHist | Min | Y | 84.836 | 53.965 | 1.572 |
| 11F RF | TH-X Load Case | LinModHist | Min | X | 151.784 | 128.571 | 1.181 |
| 11F RF | TH-X Load Case | LinModHist | Min | Y | 81.597 | 51.712 | 1.578 |
| 10F RF | TH-X Load Case | LinModHist | Min | X | 140.875 | 119.037 | 1.183 |
| 10F RF | TH-X Load Case | LinModHist | Min | Y | 78.256 | 49.398 | 1.584 |
| 9F RF | TH-X Load Case | LinModHist | Min | X | 129.567 | 109.882 | 1.179 |
| 9F RF | TH-X Load Case | LinModHist | Min | Y | 74.821 | 46.701 | 1.602 |
| 8F RF | TH-X Load Case | LinModHist | Min | X | 118.959 | 101 | 1.178 |
| 8F RF | TH-X Load Case | LinModHist | Min | Y | 71.309 | 44.038 | 1.619 |
| 7F RF | TH-X Load Case | LinModHist | Min | X | 109.65 | 92.57 | 1.185 |
| 7F RF | TH-X Load Case | LinModHist | Min | Y | 67.751 | 41.742 | 1.623 |
| 6F RF | TH-X Load Case | LinModHist | Min | X | 100.252 | 83.932 | 1.194 |
| 6F RF | TH-X Load Case | LinModHist | Min | Y | 64.192 | 39.664 | 1.618 |
| 5F RF | TH-X Load Case | LinModHist | Min | X | 90.843 | 75.434 | 1.204 |
| 5F RF | TH-X Load Case | LinModHist | Min | Y | 60.695 | 37.589 | 1.615 |
| 4F RF | TH-X Load Case | LinModHist | Min | X | 81.527 | 67.019 | 1.216 |
| 4F RF | TH-X Load Case | LinModHist | Min | Y | 57.319 | 35.531 | 1.613 |
| 3F RF | TH-X Load Case | LinModHist | Min | X | 72.426 | 58.646 | 1.235 |
| 3F RF | TH-X Load Case | LinModHist | Min | Y | 54.127 | 33.549 | 1.613 |
| 2F RF | TH-X Load Case | LinModHist | Min | X | 64.055 | 50.81 | 1.261 |
| 2F RF | TH-X Load Case | LinModHist | Min | Y | 51.257 | 31.641 | 1.62 |
| 1F RF | TH-X Load Case | LinModHist | Min | X | 55.877 | 43.636 | 1.281 |
| 1F RF | TH-X Load Case | LinModHist | Min | Y | 49.014 | 30.272 | 1.619 |
| Base | TH-X Load Case | LinModHist | Min | X | 0.676 | 0.338 | 2 |
| Base | TH-X Load Case | LinModHist | Min | Y | 0.663 | 0.332 | 2 |
| 14 | TH-Y Load Case | LinModHist | Max | X | 232.951 | 205.556 | 1.133 |
| 14 | TH-Y Load Case | LinModHist | Max | Y | 138.352 | 93.08 | 1.486 |
| 13 | TH-Y Load Case | LinModHist | Max | X | 220.759 | 195.437 | 1.13 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|----------------|------------|-----------|-----------|------------|------------|-------|
| 13 | TH-Y Load Case | LinModHist | Max | Y | 132.682 | 89.25 | 1.487 |
| 12F RF | TH-Y Load Case | LinModHist | Max | X | 208.288 | 184.894 | 1.127 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Y | 126.915 | 85.347 | 1.487 |
| 11F RF | TH-Y Load Case | LinModHist | Max | X | 195.24 | 173.733 | 1.124 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Y | 121.345 | 81.516 | 1.489 |
| 10F RF | TH-Y Load Case | LinModHist | Max | X | 181.688 | 161.972 | 1.122 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Y | 116.726 | 78.13 | 1.494 |
| 9F RF | TH-Y Load Case | LinModHist | Max | X | 167.728 | 149.66 | 1.121 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Y | 111.998 | 74.66 | 1.5 |
| 8F RF | TH-Y Load Case | LinModHist | Max | X | 154.704 | 137.497 | 1.125 |
| 8F RF | TH-Y Load Case | LinModHist | Max | Y | 107.179 | 70.968 | 1.51 |
| 7F RF | TH-Y Load Case | LinModHist | Max | X | 141.768 | 125.108 | 1.133 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Y | 102.307 | 67.406 | 1.518 |
| 6F RF | TH-Y Load Case | LinModHist | Max | X | 128.351 | 112.776 | 1.138 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Y | 97.432 | 63.93 | 1.524 |
| 5F RF | TH-Y Load Case | LinModHist | Max | X | 114.678 | 100.886 | 1.137 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Y | 92.62 | 60.365 | 1.534 |
| 4F RF | TH-Y Load Case | LinModHist | Max | X | 104.246 | 90.466 | 1.152 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Y | 87.953 | 56.767 | 1.549 |
| 3F RF | TH-Y Load Case | LinModHist | Max | X | 95.383 | 80.826 | 1.18 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Y | 83.528 | 53.407 | 1.564 |
| 2F RF | TH-Y Load Case | LinModHist | Max | X | 86.352 | 71.446 | 1.209 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Y | 79.53 | 50.382 | 1.579 |
| 1F RF | TH-Y Load Case | LinModHist | Max | X | 76.695 | 61.614 | 1.245 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Y | 76.379 | 47.975 | 1.592 |
| Base | TH-Y Load Case | LinModHist | Max | X | 0.997 | 0.499 | 2 |
| Base | TH-Y Load Case | LinModHist | Max | Y | 0.726 | 0.363 | 2 |
| 14 | TH-Y Load Case | LinModHist | Min | X | 213.025 | 179.523 | 1.187 |
| 14 | TH-Y Load Case | LinModHist | Min | Y | 93.439 | 64.386 | 1.451 |
| 13 | TH-Y Load Case | LinModHist | Min | X | 202.932 | 170.443 | 1.191 |
| 13 | TH-Y Load Case | LinModHist | Min | Y | 89.734 | 61.28 | 1.464 |
| 12F RF | TH-Y Load Case | LinModHist | Min | X | 192.219 | 161.121 | 1.193 |
| 12F RF | TH-Y Load Case | LinModHist | Min | Y | 85.965 | 58.21 | 1.477 |
| 11F RF | TH-Y Load Case | LinModHist | Min | X | 180.84 | 151.178 | 1.196 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Y | 82.138 | 55.053 | 1.492 |
| 10F RF | TH-Y Load Case | LinModHist | Min | X | 168.792 | 140.609 | 1.2 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Y | 78.26 | 52.06 | 1.503 |
| 9F RF | TH-Y Load Case | LinModHist | Min | X | 156.125 | 129.458 | 1.206 |
| 9F RF | TH-Y Load Case | LinModHist | Min | Y | 74.35 | 49.092 | 1.515 |
| 8F RF | TH-Y Load Case | LinModHist | Min | X | 142.942 | 117.815 | 1.213 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Y | 70.612 | 46.212 | 1.528 |
| 7F RF | TH-Y Load Case | LinModHist | Min | X | 129.396 | 105.813 | 1.223 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Y | 67.068 | 43.645 | 1.537 |
| 6F RF | TH-Y Load Case | LinModHist | Min | X | 115.687 | 93.905 | 1.232 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Y | 63.566 | 41.162 | 1.544 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|----------------|-------------|-----------|-----------|------------|------------|--------|
| 5F RF | TH-Y Load Case | LinModHist | Min | X | 102.049 | 82.196 | 1.242 |
| 5F RF | TH-Y Load Case | LinModHist | Min | Y | 60.156 | 38.725 | 1.553 |
| 4F RF | TH-Y Load Case | LinModHist | Min | X | 88.748 | 70.753 | 1.254 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Y | 56.877 | 36.355 | 1.564 |
| 3F RF | TH-Y Load Case | LinModHist | Min | X | 76.497 | 60.031 | 1.274 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Y | 53.777 | 34.104 | 1.577 |
| 2F RF | TH-Y Load Case | LinModHist | Min | X | 66.309 | 52.334 | 1.267 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Y | 51.005 | 32.1 | 1.589 |
| 1F RF | TH-Y Load Case | LinModHist | Min | X | 56.168 | 44.459 | 1.263 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Y | 48.795 | 30.455 | 1.602 |
| Base | TH-Y Load Case | LinModHist | Min | X | 0.738 | 0.369 | 2 |
| Base | TH-Y Load Case | LinModHist | Min | Y | 0.81 | 0.405 | 2 |
| 14 | UDCon11 | Combination | | X | 231.484 | 108.046 | 2.142 |
| 13 | UDCon11 | Combination | | X | 217.592 | 99.747 | 2.181 |
| 13 | UDCon11 | Combination | | Y | 197.893 | 11.895 | 16.636 |
| 12F RF | UDCon11 | Combination | | X | 203.613 | 91.53 | 2.225 |
| 12F RF | UDCon11 | Combination | | Y | 198.16 | 21.247 | 9.326 |
| 11F RF | UDCon11 | Combination | | X | 189.577 | 83.477 | 2.271 |
| 11F RF | UDCon11 | Combination | | Y | 197.344 | 29.863 | 6.608 |
| 10F RF | UDCon11 | Combination | | X | 175.462 | 75.622 | 2.32 |
| 10F RF | UDCon11 | Combination | | Y | 195.163 | 37.557 | 5.196 |
| 9F RF | UDCon11 | Combination | | X | 161.224 | 67.98 | 2.372 |
| 9F RF | UDCon11 | Combination | | Y | 191.342 | 44.143 | 4.335 |
| 8F RF | UDCon11 | Combination | | X | 146.778 | 60.534 | 2.425 |
| 8F RF | UDCon11 | Combination | | Y | 185.608 | 49.428 | 3.755 |
| 7F RF | UDCon11 | Combination | | X | 131.973 | 53.21 | 2.48 |
| 7F RF | UDCon11 | Combination | | Y | 177.693 | 53.218 | 3.339 |
| 6F RF | UDCon11 | Combination | | X | 116.55 | 45.845 | 2.542 |
| 6F RF | UDCon11 | Combination | | Y | 167.313 | 55.3 | 3.026 |
| 5F RF | UDCon11 | Combination | | X | 100.848 | 38.506 | 2.619 |
| 5F RF | UDCon11 | Combination | | Y | 154.142 | 55.458 | 2.779 |
| 4F RF | UDCon11 | Combination | | X | 84.704 | 30.915 | 2.74 |
| 4F RF | UDCon11 | Combination | | Y | 137.67 | 53.436 | 2.576 |
| 3F RF | UDCon11 | Combination | | X | 67.207 | 22.637 | 2.969 |
| 3F RF | UDCon11 | Combination | | Y | 116.959 | 48.86 | 2.394 |
| 2F RF | UDCon11 | Combination | | X | 44.962 | 12.52 | 3.591 |
| 2F RF | UDCon11 | Combination | | Y | 90.279 | 40.872 | 2.209 |
| 1F RF | UDCon11 | Combination | | X | 25.331 | 5.644 | 4.488 |
| 1F RF | UDCon11 | Combination | | Y | 60.585 | 29.682 | 2.041 |
| Base | UDCon11 | Combination | | X | 0.031 | 0.015 | 2 |
| Base | UDCon11 | Combination | | Y | 0.193 | 0.096 | 2 |
| 14 | UDCon12 | Combination | | X | 247.032 | 116.859 | 2.114 |
| 13 | UDCon12 | Combination | | X | 232.053 | 107.766 | 2.153 |
| 12F RF | UDCon12 | Combination | | X | 216.989 | 98.766 | 2.197 |
| 12F RF | UDCon12 | Combination | | Y | 207.451 | 20.848 | 9.951 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 11F RF | UDCon12 | Combination | | X | 201.873 | 89.948 | 2.244 |
| 11F RF | UDCon12 | Combination | | Y | 206.827 | 30.152 | 6.86 |
| 10F RF | UDCon12 | Combination | | X | 186.687 | 81.353 | 2.295 |
| 10F RF | UDCon12 | Combination | | Y | 204.753 | 38.475 | 5.322 |
| 9F RF | UDCon12 | Combination | | X | 171.385 | 72.998 | 2.348 |
| 9F RF | UDCon12 | Combination | | Y | 200.937 | 45.619 | 4.405 |
| 8F RF | UDCon12 | Combination | | X | 155.882 | 64.869 | 2.403 |
| 8F RF | UDCon12 | Combination | | Y | 195.089 | 51.379 | 3.797 |
| 7F RF | UDCon12 | Combination | | X | 140.021 | 56.892 | 2.461 |
| 7F RF | UDCon12 | Combination | | Y | 186.922 | 55.546 | 3.365 |
| 6F RF | UDCon12 | Combination | | X | 123.534 | 48.898 | 2.526 |
| 6F RF | UDCon12 | Combination | | Y | 176.139 | 57.898 | 3.042 |
| 5F RF | UDCon12 | Combination | | X | 106.777 | 40.961 | 2.607 |
| 5F RF | UDCon12 | Combination | | Y | 162.39 | 58.202 | 2.79 |
| 4F RF | UDCon12 | Combination | | X | 89.589 | 32.795 | 2.732 |
| 4F RF | UDCon12 | Combination | | Y | 145.139 | 56.187 | 2.583 |
| 3F RF | UDCon12 | Combination | | X | 71.012 | 23.942 | 2.966 |
| 3F RF | UDCon12 | Combination | | Y | 123.389 | 51.458 | 2.398 |
| 2F RF | UDCon12 | Combination | | X | 47.484 | 13.203 | 3.596 |
| 2F RF | UDCon12 | Combination | | Y | 95.31 | 43.104 | 2.211 |
| 1F RF | UDCon12 | Combination | | X | 26.75 | 5.924 | 4.516 |
| 1F RF | UDCon12 | Combination | | Y | 64.071 | 31.371 | 2.042 |
| Base | UDCon12 | Combination | | X | 0.03 | 0.015 | 2 |
| Base | UDCon12 | Combination | | Y | 0.201 | 0.101 | 2 |
| 14 | UDCon13 | Combination | Max | X | 201.016 | 93.993 | 2.139 |
| 14 | UDCon13 | Combination | Max | Y | 225.901 | 53.704 | 4.206 |
| 13 | UDCon13 | Combination | Max | X | 190.615 | 89.444 | 2.131 |
| 13 | UDCon13 | Combination | Max | Y | 207.907 | 43.427 | 4.787 |
| 12F RF | UDCon13 | Combination | Max | X | 180.599 | 84.861 | 2.128 |
| 12F RF | UDCon13 | Combination | Max | Y | 190.082 | 33.508 | 5.673 |
| 11F RF | UDCon13 | Combination | Max | X | 169.921 | 79.705 | 2.132 |
| 11F RF | UDCon13 | Combination | Max | Y | 172.484 | 24.152 | 7.142 |
| 10F RF | UDCon13 | Combination | Max | X | 161.704 | 75.565 | 2.14 |
| 10F RF | UDCon13 | Combination | Max | Y | 155.195 | 15.876 | 9.776 |
| 9F RF | UDCon13 | Combination | Max | X | 153.636 | 71.344 | 2.153 |
| 9F RF | UDCon13 | Combination | Max | Y | 138.316 | 8.392 | 16.482 |
| 8F RF | UDCon13 | Combination | Max | X | 144.613 | 66.585 | 2.172 |
| 7F RF | UDCon13 | Combination | Max | X | 134.7 | 62.107 | 2.169 |
| 6F RF | UDCon13 | Combination | Max | X | 124.053 | 57.723 | 2.149 |
| 6F RF | UDCon13 | Combination | Max | Y | 103.144 | 5.868 | 17.577 |
| 5F RF | UDCon13 | Combination | Max | X | 112.996 | 53.211 | 2.124 |
| 5F RF | UDCon13 | Combination | Max | Y | 92.748 | 7.629 | 12.157 |
| 4F RF | UDCon13 | Combination | Max | X | 101.961 | 48.926 | 2.084 |
| 4F RF | UDCon13 | Combination | Max | Y | 80.074 | 7.754 | 10.327 |
| 3F RF | UDCon13 | Combination | Max | X | 91.163 | 45.436 | 2.006 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 3F RF | UDCon13 | Combination | Max | Y | 64.449 | 5.955 | 10.823 |
| 2F RF | UDCon13 | Combination | Max | X | 79.79 | 44.498 | 1.793 |
| 1F RF | UDCon13 | Combination | Max | X | 65.451 | 41.464 | 1.578 |
| Base | UDCon13 | Combination | Max | X | 0.741 | 0.37 | 2 |
| Base | UDCon13 | Combination | Max | Y | 0.725 | 0.362 | 2 |
| 14 | UDCon13 | Combination | Min | X | 302.966 | 236.767 | 1.28 |
| 14 | UDCon13 | Combination | Min | Y | 191.144 | 68.406 | 2.794 |
| 13 | UDCon13 | Combination | Min | X | 285.087 | 222.052 | 1.284 |
| 13 | UDCon13 | Combination | Min | Y | 189.465 | 73.108 | 2.592 |
| 12F RF | UDCon13 | Combination | Min | X | 266.83 | 207.002 | 1.289 |
| 12F RF | UDCon13 | Combination | Min | Y | 187.116 | 77.313 | 2.42 |
| 11F RF | UDCon13 | Combination | Min | X | 248.261 | 191.691 | 1.295 |
| 11F RF | UDCon13 | Combination | Min | Y | 184.823 | 81.35 | 2.272 |
| 10F RF | UDCon13 | Combination | Min | X | 229.431 | 176.193 | 1.302 |
| 10F RF | UDCon13 | Combination | Min | Y | 181.897 | 84.839 | 2.144 |
| 9F RF | UDCon13 | Combination | Min | X | 211.681 | 161.244 | 1.313 |
| 9F RF | UDCon13 | Combination | Min | Y | 177.663 | 87.408 | 2.033 |
| 8F RF | UDCon13 | Combination | Min | X | 193.608 | 146.713 | 1.32 |
| 8F RF | UDCon13 | Combination | Min | Y | 171.92 | 88.925 | 1.933 |
| 7F RF | UDCon13 | Combination | Min | X | 174.877 | 132.724 | 1.318 |
| 7F RF | UDCon13 | Combination | Min | Y | 164.475 | 89.263 | 1.843 |
| 6F RF | UDCon13 | Combination | Min | X | 155.378 | 118.508 | 1.311 |
| 6F RF | UDCon13 | Combination | Min | Y | 155.122 | 88.29 | 1.757 |
| 5F RF | UDCon13 | Combination | Min | X | 135.922 | 104.438 | 1.301 |
| 5F RF | UDCon13 | Combination | Min | Y | 143.621 | 85.871 | 1.673 |
| 4F RF | UDCon13 | Combination | Min | X | 116.235 | 90.296 | 1.287 |
| 4F RF | UDCon13 | Combination | Min | Y | 129.586 | 81.843 | 1.583 |
| 3F RF | UDCon13 | Combination | Min | X | 95.41 | 75.675 | 1.261 |
| 3F RF | UDCon13 | Combination | Min | Y | 112.289 | 75.949 | 1.478 |
| 2F RF | UDCon13 | Combination | Min | X | 71.374 | 60.212 | 1.185 |
| 2F RF | UDCon13 | Combination | Min | Y | 90.391 | 67.596 | 1.337 |
| 1F RF | UDCon13 | Combination | Min | X | 50.443 | 44.462 | 1.135 |
| 1F RF | UDCon13 | Combination | Min | Y | 65.831 | 54.385 | 1.21 |
| Base | UDCon13 | Combination | Min | X | 0.685 | 0.343 | 2 |
| Base | UDCon13 | Combination | Min | Y | 0.519 | 0.259 | 2 |
| 14 | UDCon14 | Combination | Max | X | 192.553 | 73.18 | 2.631 |
| 14 | UDCon14 | Combination | Max | Y | 236.399 | 66.226 | 3.57 |
| 13 | UDCon14 | Combination | Max | X | 185.198 | 71.071 | 2.606 |
| 13 | UDCon14 | Combination | Max | Y | 219.202 | 55.94 | 3.919 |
| 12F RF | UDCon14 | Combination | Max | X | 177.184 | 68.507 | 2.586 |
| 12F RF | UDCon14 | Combination | Max | Y | 202.162 | 45.995 | 4.395 |
| 11F RF | UDCon14 | Combination | Max | X | 168.378 | 65.433 | 2.573 |
| 11F RF | UDCon14 | Combination | Max | Y | 185.318 | 36.993 | 5.01 |
| 10F RF | UDCon14 | Combination | Max | X | 158.739 | 61.868 | 2.566 |
| 10F RF | UDCon14 | Combination | Max | Y | 168.733 | 28.832 | 5.852 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 9F RF | UDCon14 | Combination | Max | X | 148.284 | 58.525 | 2.534 |
| 9F RF | UDCon14 | Combination | Max | Y | 152.487 | 21.421 | 7.119 |
| 8F RF | UDCon14 | Combination | Max | X | 138.08 | 55.298 | 2.497 |
| 8F RF | UDCon14 | Combination | Max | Y | 136.683 | 14.918 | 9.162 |
| 7F RF | UDCon14 | Combination | Max | X | 128.702 | 52.422 | 2.455 |
| 7F RF | UDCon14 | Combination | Max | Y | 121.447 | 9.491 | 12.796 |
| 6F RF | UDCon14 | Combination | Max | X | 118.82 | 49.355 | 2.407 |
| 6F RF | UDCon14 | Combination | Max | Y | 106.927 | 5.324 | 20.085 |
| 5F RF | UDCon14 | Combination | Max | X | 108.698 | 46.419 | 2.342 |
| 4F RF | UDCon14 | Combination | Max | X | 98.695 | 43.744 | 2.256 |
| 3F RF | UDCon14 | Combination | Max | X | 88.912 | 41.617 | 2.136 |
| 2F RF | UDCon14 | Combination | Max | X | 79.027 | 41.391 | 1.909 |
| 2F RF | UDCon14 | Combination | Max | Y | 57.674 | 6.153 | 9.373 |
| 1F RF | UDCon14 | Combination | Max | X | 66.451 | 39.4 | 1.687 |
| 1F RF | UDCon14 | Combination | Max | Y | 49.937 | 10.872 | 4.593 |
| Base | UDCon14 | Combination | Max | X | 0.674 | 0.337 | 2 |
| Base | UDCon14 | Combination | Max | Y | 0.808 | 0.404 | 2 |
| 14 | UDCon14 | Combination | Min | X | 336.129 | 257.577 | 1.305 |
| 14 | UDCon14 | Combination | Min | Y | 176.596 | 55.883 | 3.16 |
| 13 | UDCon14 | Combination | Min | X | 316.416 | 240.424 | 1.316 |
| 13 | UDCon14 | Combination | Min | Y | 175.734 | 60.595 | 2.9 |
| 12F RF | UDCon14 | Combination | Min | X | 296.122 | 223.356 | 1.326 |
| 12F RF | UDCon14 | Combination | Min | Y | 174.222 | 64.826 | 2.688 |
| 11F RF | UDCon14 | Combination | Min | X | 275.262 | 205.963 | 1.336 |
| 11F RF | UDCon14 | Combination | Min | Y | 171.974 | 68.508 | 2.51 |
| 10F RF | UDCon14 | Combination | Min | X | 253.86 | 189.89 | 1.337 |
| 10F RF | UDCon14 | Combination | Min | Y | 169.523 | 71.883 | 2.358 |
| 9F RF | UDCon14 | Combination | Min | X | 231.968 | 174.063 | 1.333 |
| 9F RF | UDCon14 | Combination | Min | Y | 165.775 | 74.379 | 2.229 |
| 8F RF | UDCon14 | Combination | Min | X | 209.647 | 157.999 | 1.327 |
| 8F RF | UDCon14 | Combination | Min | Y | 161.601 | 76.407 | 2.115 |
| 7F RF | UDCon14 | Combination | Min | X | 188.248 | 142.409 | 1.322 |
| 7F RF | UDCon14 | Combination | Min | Y | 155.812 | 77.348 | 2.014 |
| 6F RF | UDCon14 | Combination | Min | X | 166.858 | 126.865 | 1.315 |
| 6F RF | UDCon14 | Combination | Min | Y | 148.257 | 77.098 | 1.923 |
| 5F RF | UDCon14 | Combination | Min | X | 145.212 | 111.233 | 1.305 |
| 5F RF | UDCon14 | Combination | Min | Y | 138.909 | 75.628 | 1.837 |
| 4F RF | UDCon14 | Combination | Min | X | 123.332 | 95.478 | 1.292 |
| 4F RF | UDCon14 | Combination | Min | Y | 126.869 | 72.511 | 1.75 |
| 3F RF | UDCon14 | Combination | Min | X | 100.797 | 79.494 | 1.268 |
| 3F RF | UDCon14 | Combination | Min | Y | 111.395 | 67.47 | 1.651 |
| 2F RF | UDCon14 | Combination | Min | X | 76.825 | 63.319 | 1.213 |
| 2F RF | UDCon14 | Combination | Min | Y | 91.128 | 59.896 | 1.521 |
| 1F RF | UDCon14 | Combination | Min | X | 55.572 | 47.272 | 1.176 |
| 1F RF | UDCon14 | Combination | Min | Y | 68.169 | 49.992 | 1.364 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|-------|
| Base | UDCon14 | Combination | Min | X | 0.755 | 0.378 | 2 |
| Base | UDCon14 | Combination | Min | Y | 0.5 | 0.25 | 2 |
| 14 | UDCon15 | Combination | Max | X | 243.891 | 123.76 | 1.971 |
| 14 | UDCon15 | Combination | Max | Y | 283.718 | 101.712 | 2.789 |
| 13 | UDCon15 | Combination | Max | X | 233.791 | 119.946 | 1.949 |
| 13 | UDCon15 | Combination | Max | Y | 263.907 | 89.427 | 2.951 |
| 12F RF | UDCon15 | Combination | Max | X | 223.25 | 115.655 | 1.93 |
| 12F RF | UDCon15 | Combination | Max | Y | 244.241 | 77.459 | 3.153 |
| 11F RF | UDCon15 | Combination | Max | X | 211.839 | 110.619 | 1.915 |
| 11F RF | UDCon15 | Combination | Max | Y | 225.066 | 66.099 | 3.405 |
| 10F RF | UDCon15 | Combination | Max | X | 199.555 | 104.824 | 1.904 |
| 10F RF | UDCon15 | Combination | Max | Y | 207.202 | 55.874 | 3.708 |
| 9F RF | UDCon15 | Combination | Max | X | 186.446 | 98.312 | 1.896 |
| 9F RF | UDCon15 | Combination | Max | Y | 189.664 | 46.409 | 4.087 |
| 8F RF | UDCon15 | Combination | Max | X | 173.796 | 91.786 | 1.893 |
| 8F RF | UDCon15 | Combination | Max | Y | 172.555 | 37.878 | 4.556 |
| 7F RF | UDCon15 | Combination | Max | X | 160.797 | 84.953 | 1.893 |
| 7F RF | UDCon15 | Combination | Max | Y | 156.005 | 30.467 | 5.121 |
| 6F RF | UDCon15 | Combination | Max | X | 146.908 | 78.197 | 1.879 |
| 6F RF | UDCon15 | Combination | Max | Y | 140.167 | 24.378 | 5.75 |
| 5F RF | UDCon15 | Combination | Max | X | 132.532 | 71.871 | 1.844 |
| 5F RF | UDCon15 | Combination | Max | Y | 125.191 | 20.316 | 6.162 |
| 4F RF | UDCon15 | Combination | Max | X | 121.415 | 67.198 | 1.807 |
| 4F RF | UDCon15 | Combination | Max | Y | 111.153 | 18.122 | 6.134 |
| 3F RF | UDCon15 | Combination | Max | X | 111.869 | 63.797 | 1.754 |
| 3F RF | UDCon15 | Combination | Max | Y | 98.002 | 17.994 | 5.446 |
| 2F RF | UDCon15 | Combination | Max | X | 101.32 | 62.026 | 1.634 |
| 2F RF | UDCon15 | Combination | Max | Y | 85.944 | 21.309 | 4.033 |
| 1F RF | UDCon15 | Combination | Max | X | 87.269 | 57.378 | 1.521 |
| 1F RF | UDCon15 | Combination | Max | Y | 77.262 | 27.474 | 2.812 |
| Base | UDCon15 | Combination | Max | X | 0.995 | 0.498 | 2 |
| Base | UDCon15 | Combination | Max | Y | 0.768 | 0.384 | 2 |
| 14 | UDCon15 | Combination | Min | X | 320.69 | 261.342 | 1.227 |
| 14 | UDCon15 | Combination | Min | Y | 190.099 | 69.082 | 2.752 |
| 13 | UDCon15 | Combination | Min | X | 302.111 | 245.947 | 1.228 |
| 13 | UDCon15 | Combination | Min | Y | 190.004 | 74.254 | 2.559 |
| 12F RF | UDCon15 | Combination | Min | X | 283.601 | 230.381 | 1.231 |
| 12F RF | UDCon15 | Combination | Min | Y | 189.568 | 79.104 | 2.396 |
| 11F RF | UDCon15 | Combination | Min | X | 264.474 | 214.319 | 1.234 |
| 11F RF | UDCon15 | Combination | Min | Y | 188.24 | 83.329 | 2.259 |
| 10F RF | UDCon15 | Combination | Min | X | 244.707 | 197.782 | 1.237 |
| 10F RF | UDCon15 | Combination | Min | Y | 186.135 | 86.96 | 2.14 |
| 9F RF | UDCon15 | Combination | Min | X | 224.301 | 180.825 | 1.24 |
| 9F RF | UDCon15 | Combination | Min | Y | 182.798 | 89.741 | 2.037 |
| 8F RF | UDCon15 | Combination | Min | X | 203.273 | 163.526 | 1.243 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 8F RF | UDCon15 | Combination | Min | Y | 177.864 | 91.544 | 1.943 |
| 7F RF | UDCon15 | Combination | Min | X | 181.637 | 145.971 | 1.244 |
| 7F RF | UDCon15 | Combination | Min | Y | 171.117 | 92.236 | 1.855 |
| 6F RF | UDCon15 | Combination | Min | X | 159.894 | 128.484 | 1.244 |
| 6F RF | UDCon15 | Combination | Min | Y | 162.335 | 91.575 | 1.773 |
| 5F RF | UDCon15 | Combination | Min | X | 138.249 | 111.211 | 1.243 |
| 5F RF | UDCon15 | Combination | Min | Y | 151.267 | 89.416 | 1.692 |
| 4F RF | UDCon15 | Combination | Min | X | 116.486 | 94.03 | 1.239 |
| 4F RF | UDCon15 | Combination | Min | Y | 137.521 | 85.583 | 1.607 |
| 3F RF | UDCon15 | Combination | Min | X | 94.109 | 77.06 | 1.221 |
| 3F RF | UDCon15 | Combination | Min | Y | 120.374 | 79.81 | 1.508 |
| 2F RF | UDCon15 | Combination | Min | X | 72.168 | 61.738 | 1.169 |
| 2F RF | UDCon15 | Combination | Min | Y | 98.488 | 71.5 | 1.377 |
| 1F RF | UDCon15 | Combination | Min | X | 51.797 | 46.918 | 1.104 |
| 1F RF | UDCon15 | Combination | Min | Y | 73.654 | 58.154 | 1.267 |
| Base | UDCon15 | Combination | Min | X | 0.744 | 0.372 | 2 |
| Base | UDCon15 | Combination | Min | Y | 0.666 | 0.333 | 2 |
| 14 | UDCon16 | Combination | Max | X | 223.978 | 97.754 | 2.291 |
| 14 | UDCon16 | Combination | Max | Y | 238.796 | 66.903 | 3.569 |
| 13 | UDCon16 | Combination | Max | X | 215.965 | 94.966 | 2.274 |
| 13 | UDCon16 | Combination | Max | Y | 220.955 | 57.086 | 3.871 |
| 12F RF | UDCon16 | Combination | Max | X | 207.171 | 91.883 | 2.255 |
| 12F RF | UDCon16 | Combination | Max | Y | 203.291 | 47.786 | 4.254 |
| 11F RF | UDCon16 | Combination | Max | X | 197.421 | 88.056 | 2.242 |
| 11F RF | UDCon16 | Combination | Max | Y | 185.859 | 38.972 | 4.769 |
| 10F RF | UDCon16 | Combination | Max | X | 186.641 | 83.457 | 2.236 |
| 10F RF | UDCon16 | Combination | Max | Y | 168.736 | 30.953 | 5.451 |
| 9F RF | UDCon16 | Combination | Max | X | 174.826 | 78.106 | 2.238 |
| 9F RF | UDCon16 | Combination | Max | Y | 152.017 | 23.754 | 6.4 |
| 8F RF | UDCon16 | Combination | Max | X | 162.041 | 72.112 | 2.247 |
| 8F RF | UDCon16 | Combination | Max | Y | 135.975 | 17.536 | 7.754 |
| 7F RF | UDCon16 | Combination | Max | X | 148.435 | 65.669 | 2.26 |
| 7F RF | UDCon16 | Combination | Max | Y | 120.749 | 12.463 | 9.688 |
| 6F RF | UDCon16 | Combination | Max | X | 134.255 | 59.325 | 2.263 |
| 6F RF | UDCon16 | Combination | Max | Y | 106.285 | 8.609 | 12.345 |
| 5F RF | UDCon16 | Combination | Max | X | 119.903 | 53.18 | 2.255 |
| 5F RF | UDCon16 | Combination | Max | Y | 92.707 | 6.158 | 15.054 |
| 4F RF | UDCon16 | Combination | Max | X | 105.913 | 47.479 | 2.231 |
| 4F RF | UDCon16 | Combination | Max | Y | 80.058 | 5.318 | 15.054 |
| 3F RF | UDCon16 | Combination | Max | X | 92.983 | 43.002 | 2.162 |
| 3F RF | UDCon16 | Combination | Max | Y | 68.24 | 6.385 | 10.688 |
| 2F RF | UDCon16 | Combination | Max | X | 81.284 | 42.917 | 1.894 |
| 2F RF | UDCon16 | Combination | Max | Y | 57.383 | 10.056 | 5.706 |
| 1F RF | UDCon16 | Combination | Max | X | 66.742 | 40.223 | 1.659 |
| 1F RF | UDCon16 | Combination | Max | Y | 49.717 | 14.014 | 3.548 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| Base | UDCon16 | Combination | Max | X | 0.736 | 0.368 | 2 |
| Base | UDCon16 | Combination | Max | Y | 0.955 | 0.477 | 2 |
| 14 | UDCon16 | Combination | Min | X | 352.788 | 287.338 | 1.228 |
| 14 | UDCon16 | Combination | Min | Y | 214.796 | 103.892 | 2.068 |
| 13 | UDCon16 | Combination | Min | X | 334.243 | 270.926 | 1.234 |
| 13 | UDCon16 | Combination | Min | Y | 211.733 | 106.595 | 1.986 |
| 12F RF | UDCon16 | Combination | Min | X | 315.059 | 254.149 | 1.24 |
| 12F RF | UDCon16 | Combination | Min | Y | 207.965 | 108.777 | 1.912 |
| 11F RF | UDCon16 | Combination | Min | X | 295.172 | 236.878 | 1.246 |
| 11F RF | UDCon16 | Combination | Min | Y | 203.288 | 110.456 | 1.84 |
| 10F RF | UDCon16 | Combination | Min | X | 274.527 | 219.149 | 1.253 |
| 10F RF | UDCon16 | Combination | Min | Y | 197.512 | 111.881 | 1.765 |
| 9F RF | UDCon16 | Combination | Min | X | 253.093 | 201.031 | 1.259 |
| 9F RF | UDCon16 | Combination | Min | Y | 190.462 | 112.397 | 1.695 |
| 8F RF | UDCon16 | Combination | Min | X | 230.866 | 183.2 | 1.26 |
| 8F RF | UDCon16 | Combination | Min | Y | 181.969 | 111.886 | 1.626 |
| 7F RF | UDCon16 | Combination | Min | X | 207.844 | 165.256 | 1.258 |
| 7F RF | UDCon16 | Combination | Min | Y | 171.869 | 110.239 | 1.559 |
| 6F RF | UDCon16 | Combination | Min | X | 184.986 | 147.356 | 1.255 |
| 6F RF | UDCon16 | Combination | Min | Y | 159.99 | 107.344 | 1.49 |
| 5F RF | UDCon16 | Combination | Min | X | 163.007 | 129.898 | 1.255 |
| 5F RF | UDCon16 | Combination | Min | Y | 147.098 | 103.573 | 1.42 |
| 4F RF | UDCon16 | Combination | Min | X | 140.423 | 113.744 | 1.235 |
| 4F RF | UDCon16 | Combination | Min | Y | 132.034 | 98.387 | 1.342 |
| 3F RF | UDCon16 | Combination | Min | X | 116.812 | 97.855 | 1.194 |
| 3F RF | UDCon16 | Combination | Min | Y | 113.831 | 90.167 | 1.262 |
| 2F RF | UDCon16 | Combination | Min | X | 90.35 | 78.993 | 1.144 |
| 2F RF | UDCon16 | Combination | Min | Y | 92.433 | 75.434 | 1.225 |
| 1F RF | UDCon16 | Combination | Min | X | 67.83 | 59.64 | 1.137 |
| 1F RF | UDCon16 | Combination | Min | Y | 77.307 | 62.601 | 1.235 |
| Base | UDCon16 | Combination | Min | X | 0.999 | 0.499 | 2 |
| Base | UDCon16 | Combination | Min | Y | 0.698 | 0.349 | 2 |
| 14 | UDCon17 | Combination | Max | X | 201.432 | 95.756 | 2.104 |
| 14 | UDCon17 | Combination | Max | Y | 223.394 | 53.322 | 4.189 |
| 13 | UDCon17 | Combination | Max | X | 190.93 | 91.048 | 2.097 |
| 13 | UDCon17 | Combination | Max | Y | 205.646 | 43.2 | 4.76 |
| 12F RF | UDCon17 | Combination | Max | X | 180.818 | 86.308 | 2.095 |
| 12F RF | UDCon17 | Combination | Max | Y | 188.064 | 33.428 | 5.626 |
| 11F RF | UDCon17 | Combination | Max | X | 170.05 | 80.999 | 2.099 |
| 11F RF | UDCon17 | Combination | Max | Y | 170.703 | 24.209 | 7.051 |
| 10F RF | UDCon17 | Combination | Max | X | 161.751 | 76.711 | 2.109 |
| 10F RF | UDCon17 | Combination | Max | Y | 153.644 | 16.059 | 9.567 |
| 9F RF | UDCon17 | Combination | Max | X | 153.611 | 72.348 | 2.123 |
| 9F RF | UDCon17 | Combination | Max | Y | 136.988 | 8.687 | 15.769 |
| 8F RF | UDCon17 | Combination | Max | X | 144.527 | 67.452 | 2.143 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 7F RF | UDCon17 | Combination | Max | X | 134.563 | 62.843 | 2.141 |
| 6F RF | UDCon17 | Combination | Max | X | 123.877 | 58.334 | 2.124 |
| 5F RF | UDCon17 | Combination | Max | X | 112.793 | 53.702 | 2.1 |
| 5F RF | UDCon17 | Combination | Max | Y | 91.098 | 7.081 | 12.866 |
| 4F RF | UDCon17 | Combination | Max | X | 101.737 | 49.302 | 2.064 |
| 4F RF | UDCon17 | Combination | Max | Y | 78.58 | 7.203 | 10.909 |
| 3F RF | UDCon17 | Combination | Max | X | 90.924 | 45.697 | 1.99 |
| 3F RF | UDCon17 | Combination | Max | Y | 63.163 | 5.435 | 11.621 |
| 2F RF | UDCon17 | Combination | Max | X | 79.559 | 44.634 | 1.782 |
| 1F RF | UDCon17 | Combination | Max | X | 65.279 | 41.52 | 1.572 |
| Base | UDCon17 | Combination | Max | X | 0.74 | 0.37 | 2 |
| Base | UDCon17 | Combination | Max | Y | 0.723 | 0.361 | 2 |
| 14 | UDCon17 | Combination | Min | X | 299.856 | 235.004 | 1.276 |
| 14 | UDCon17 | Combination | Min | Y | 189.399 | 68.787 | 2.753 |
| 13 | UDCon17 | Combination | Min | X | 282.195 | 220.448 | 1.28 |
| 13 | UDCon17 | Combination | Min | Y | 187.658 | 73.335 | 2.559 |
| 12F RF | UDCon17 | Combination | Min | X | 264.155 | 205.555 | 1.285 |
| 12F RF | UDCon17 | Combination | Min | Y | 185.258 | 77.393 | 2.394 |
| 11F RF | UDCon17 | Combination | Min | X | 245.802 | 190.397 | 1.291 |
| 11F RF | UDCon17 | Combination | Min | Y | 182.926 | 81.292 | 2.25 |
| 10F RF | UDCon17 | Combination | Min | X | 227.186 | 175.047 | 1.298 |
| 10F RF | UDCon17 | Combination | Min | Y | 179.979 | 84.655 | 2.126 |
| 9F RF | UDCon17 | Combination | Min | X | 209.649 | 160.241 | 1.308 |
| 9F RF | UDCon17 | Combination | Min | Y | 175.744 | 87.113 | 2.017 |
| 8F RF | UDCon17 | Combination | Min | X | 191.787 | 145.846 | 1.315 |
| 8F RF | UDCon17 | Combination | Min | Y | 170.024 | 88.535 | 1.92 |
| 7F RF | UDCon17 | Combination | Min | X | 173.267 | 131.988 | 1.313 |
| 7F RF | UDCon17 | Combination | Min | Y | 162.629 | 88.797 | 1.831 |
| 6F RF | UDCon17 | Combination | Min | X | 153.981 | 117.898 | 1.306 |
| 6F RF | UDCon17 | Combination | Min | Y | 153.356 | 87.77 | 1.747 |
| 5F RF | UDCon17 | Combination | Min | X | 134.736 | 103.947 | 1.296 |
| 5F RF | UDCon17 | Combination | Min | Y | 141.971 | 85.322 | 1.664 |
| 4F RF | UDCon17 | Combination | Min | X | 115.258 | 89.92 | 1.282 |
| 4F RF | UDCon17 | Combination | Min | Y | 128.092 | 81.292 | 1.576 |
| 3F RF | UDCon17 | Combination | Min | X | 94.649 | 75.414 | 1.255 |
| 3F RF | UDCon17 | Combination | Min | Y | 111.003 | 75.429 | 1.472 |
| 2F RF | UDCon17 | Combination | Min | X | 70.87 | 60.075 | 1.18 |
| 2F RF | UDCon17 | Combination | Min | Y | 89.385 | 67.15 | 1.331 |
| 1F RF | UDCon17 | Combination | Min | X | 50.159 | 44.312 | 1.132 |
| 1F RF | UDCon17 | Combination | Min | Y | 65.133 | 53.855 | 1.209 |
| Base | UDCon17 | Combination | Min | X | 0.686 | 0.343 | 2 |
| Base | UDCon17 | Combination | Min | Y | 0.52 | 0.26 | 2 |
| 14 | UDCon18 | Combination | Max | X | 192.969 | 74.943 | 2.575 |
| 14 | UDCon18 | Combination | Max | Y | 233.891 | 65.845 | 3.552 |
| 13 | UDCon18 | Combination | Max | X | 185.513 | 72.675 | 2.553 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 13 | UDCon18 | Combination | Max | Y | 216.941 | 55.713 | 3.894 |
| 12F RF | UDCon18 | Combination | Max | X | 177.404 | 69.955 | 2.536 |
| 12F RF | UDCon18 | Combination | Max | Y | 200.144 | 45.915 | 4.359 |
| 11F RF | UDCon18 | Combination | Max | X | 168.507 | 66.727 | 2.525 |
| 11F RF | UDCon18 | Combination | Max | Y | 183.537 | 37.051 | 4.954 |
| 10F RF | UDCon18 | Combination | Max | X | 158.787 | 63.014 | 2.52 |
| 10F RF | UDCon18 | Combination | Max | Y | 167.182 | 29.015 | 5.762 |
| 9F RF | UDCon18 | Combination | Max | X | 148.259 | 59.529 | 2.491 |
| 9F RF | UDCon18 | Combination | Max | Y | 151.158 | 21.716 | 6.961 |
| 8F RF | UDCon18 | Combination | Max | X | 137.993 | 56.165 | 2.457 |
| 8F RF | UDCon18 | Combination | Max | Y | 135.567 | 15.308 | 8.856 |
| 7F RF | UDCon18 | Combination | Max | X | 128.564 | 53.158 | 2.419 |
| 7F RF | UDCon18 | Combination | Max | Y | 120.533 | 9.956 | 12.106 |
| 6F RF | UDCon18 | Combination | Max | X | 118.645 | 49.966 | 2.375 |
| 6F RF | UDCon18 | Combination | Max | Y | 106.201 | 5.843 | 18.175 |
| 5F RF | UDCon18 | Combination | Max | X | 108.494 | 46.91 | 2.313 |
| 4F RF | UDCon18 | Combination | Max | X | 98.47 | 44.121 | 2.232 |
| 3F RF | UDCon18 | Combination | Max | X | 88.673 | 41.879 | 2.117 |
| 2F RF | UDCon18 | Combination | Max | X | 78.796 | 41.528 | 1.897 |
| 2F RF | UDCon18 | Combination | Max | Y | 57.56 | 6.599 | 8.722 |
| 1F RF | UDCon18 | Combination | Max | X | 66.28 | 39.456 | 1.68 |
| 1F RF | UDCon18 | Combination | Max | Y | 49.916 | 11.196 | 4.458 |
| Base | UDCon18 | Combination | Max | X | 0.674 | 0.337 | 2 |
| Base | UDCon18 | Combination | Max | Y | 0.806 | 0.403 | 2 |
| 14 | UDCon18 | Combination | Min | X | 333.02 | 255.814 | 1.302 |
| 14 | UDCon18 | Combination | Min | Y | 174.852 | 56.265 | 3.108 |
| 13 | UDCon18 | Combination | Min | X | 313.524 | 238.821 | 1.313 |
| 13 | UDCon18 | Combination | Min | Y | 173.928 | 60.823 | 2.86 |
| 12F RF | UDCon18 | Combination | Min | X | 293.447 | 221.908 | 1.322 |
| 12F RF | UDCon18 | Combination | Min | Y | 172.364 | 64.906 | 2.656 |
| 11F RF | UDCon18 | Combination | Min | X | 272.803 | 204.669 | 1.333 |
| 11F RF | UDCon18 | Combination | Min | Y | 170.078 | 68.45 | 2.485 |
| 10F RF | UDCon18 | Combination | Min | X | 251.615 | 188.744 | 1.333 |
| 10F RF | UDCon18 | Combination | Min | Y | 167.605 | 71.699 | 2.338 |
| 9F RF | UDCon18 | Combination | Min | X | 229.936 | 173.06 | 1.329 |
| 9F RF | UDCon18 | Combination | Min | Y | 163.856 | 74.084 | 2.212 |
| 8F RF | UDCon18 | Combination | Min | X | 207.827 | 157.132 | 1.323 |
| 8F RF | UDCon18 | Combination | Min | Y | 159.705 | 76.017 | 2.101 |
| 7F RF | UDCon18 | Combination | Min | X | 186.639 | 141.673 | 1.317 |
| 7F RF | UDCon18 | Combination | Min | Y | 153.967 | 76.882 | 2.003 |
| 6F RF | UDCon18 | Combination | Min | X | 165.462 | 126.254 | 1.311 |
| 6F RF | UDCon18 | Combination | Min | Y | 146.491 | 76.578 | 1.913 |
| 5F RF | UDCon18 | Combination | Min | X | 144.026 | 110.742 | 1.301 |
| 5F RF | UDCon18 | Combination | Min | Y | 137.26 | 75.079 | 1.828 |
| 4F RF | UDCon18 | Combination | Min | X | 122.355 | 95.102 | 1.287 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|-------|
| 4F RF | UDCon18 | Combination | Min | Y | 125.376 | 71.961 | 1.742 |
| 3F RF | UDCon18 | Combination | Min | X | 100.036 | 79.233 | 1.263 |
| 3F RF | UDCon18 | Combination | Min | Y | 110.109 | 66.95 | 1.645 |
| 2F RF | UDCon18 | Combination | Min | X | 76.32 | 63.182 | 1.208 |
| 2F RF | UDCon18 | Combination | Min | Y | 90.122 | 59.45 | 1.516 |
| 1F RF | UDCon18 | Combination | Min | X | 55.288 | 47.122 | 1.173 |
| 1F RF | UDCon18 | Combination | Min | Y | 67.472 | 49.598 | 1.36 |
| Base | UDCon18 | Combination | Min | X | 0.755 | 0.378 | 2 |
| Base | UDCon18 | Combination | Min | Y | 0.5 | 0.25 | 2 |
| 14 | UDCon19 | Combination | Max | X | 244.307 | 125.523 | 1.946 |
| 14 | UDCon19 | Combination | Max | Y | 281.21 | 101.331 | 2.775 |
| 13 | UDCon19 | Combination | Max | X | 234.106 | 121.549 | 1.926 |
| 13 | UDCon19 | Combination | Max | Y | 261.646 | 89.199 | 2.933 |
| 12F RF | UDCon19 | Combination | Max | X | 223.469 | 117.102 | 1.908 |
| 12F RF | UDCon19 | Combination | Max | Y | 242.223 | 77.379 | 3.13 |
| 11F RF | UDCon19 | Combination | Max | X | 211.968 | 111.914 | 1.894 |
| 11F RF | UDCon19 | Combination | Max | Y | 223.285 | 66.157 | 3.375 |
| 10F RF | UDCon19 | Combination | Max | X | 199.602 | 105.97 | 1.884 |
| 10F RF | UDCon19 | Combination | Max | Y | 205.652 | 56.058 | 3.669 |
| 9F RF | UDCon19 | Combination | Max | X | 186.42 | 99.315 | 1.877 |
| 9F RF | UDCon19 | Combination | Max | Y | 188.336 | 46.705 | 4.032 |
| 8F RF | UDCon19 | Combination | Max | X | 173.709 | 92.652 | 1.875 |
| 8F RF | UDCon19 | Combination | Max | Y | 171.44 | 38.268 | 4.48 |
| 7F RF | UDCon19 | Combination | Max | X | 160.66 | 85.689 | 1.875 |
| 7F RF | UDCon19 | Combination | Max | Y | 155.09 | 30.932 | 5.014 |
| 6F RF | UDCon19 | Combination | Max | X | 146.732 | 78.807 | 1.862 |
| 6F RF | UDCon19 | Combination | Max | Y | 139.441 | 24.897 | 5.601 |
| 5F RF | UDCon19 | Combination | Max | X | 132.329 | 72.362 | 1.829 |
| 5F RF | UDCon19 | Combination | Max | Y | 124.639 | 20.864 | 5.974 |
| 4F RF | UDCon19 | Combination | Max | X | 121.19 | 67.574 | 1.793 |
| 4F RF | UDCon19 | Combination | Max | Y | 110.76 | 18.672 | 5.932 |
| 3F RF | UDCon19 | Combination | Max | X | 111.63 | 64.058 | 1.743 |
| 3F RF | UDCon19 | Combination | Max | Y | 97.755 | 18.514 | 5.28 |
| 2F RF | UDCon19 | Combination | Max | X | 101.089 | 62.162 | 1.626 |
| 2F RF | UDCon19 | Combination | Max | Y | 85.83 | 21.755 | 3.945 |
| 1F RF | UDCon19 | Combination | Max | X | 87.097 | 57.434 | 1.516 |
| 1F RF | UDCon19 | Combination | Max | Y | 77.241 | 27.798 | 2.779 |
| Base | UDCon19 | Combination | Max | X | 0.995 | 0.497 | 2 |
| Base | UDCon19 | Combination | Max | Y | 0.766 | 0.383 | 2 |
| 14 | UDCon19 | Combination | Min | X | 317.58 | 259.58 | 1.223 |
| 14 | UDCon19 | Combination | Min | Y | 188.355 | 69.464 | 2.712 |
| 13 | UDCon19 | Combination | Min | X | 299.219 | 244.343 | 1.225 |
| 13 | UDCon19 | Combination | Min | Y | 188.198 | 74.482 | 2.527 |
| 12F RF | UDCon19 | Combination | Min | X | 280.926 | 228.934 | 1.227 |
| 12F RF | UDCon19 | Combination | Min | Y | 187.71 | 79.184 | 2.371 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 11F RF | UDCon19 | Combination | Min | X | 262.015 | 213.025 | 1.23 |
| 11F RF | UDCon19 | Combination | Min | Y | 186.343 | 83.271 | 2.238 |
| 10F RF | UDCon19 | Combination | Min | X | 242.462 | 196.636 | 1.233 |
| 10F RF | UDCon19 | Combination | Min | Y | 184.217 | 86.776 | 2.123 |
| 9F RF | UDCon19 | Combination | Min | X | 222.268 | 179.821 | 1.236 |
| 9F RF | UDCon19 | Combination | Min | Y | 180.879 | 89.445 | 2.022 |
| 8F RF | UDCon19 | Combination | Min | X | 201.452 | 162.659 | 1.238 |
| 8F RF | UDCon19 | Combination | Min | Y | 175.968 | 91.153 | 1.93 |
| 7F RF | UDCon19 | Combination | Min | X | 180.028 | 145.235 | 1.24 |
| 7F RF | UDCon19 | Combination | Min | Y | 169.271 | 91.77 | 1.845 |
| 6F RF | UDCon19 | Combination | Min | X | 158.498 | 127.874 | 1.239 |
| 6F RF | UDCon19 | Combination | Min | Y | 160.57 | 91.056 | 1.763 |
| 5F RF | UDCon19 | Combination | Min | X | 137.063 | 110.72 | 1.238 |
| 5F RF | UDCon19 | Combination | Min | Y | 149.617 | 88.867 | 1.684 |
| 4F RF | UDCon19 | Combination | Min | X | 115.509 | 93.654 | 1.233 |
| 4F RF | UDCon19 | Combination | Min | Y | 136.027 | 85.032 | 1.6 |
| 3F RF | UDCon19 | Combination | Min | X | 93.348 | 76.799 | 1.215 |
| 3F RF | UDCon19 | Combination | Min | Y | 119.088 | 79.29 | 1.502 |
| 2F RF | UDCon19 | Combination | Min | X | 71.664 | 61.601 | 1.163 |
| 2F RF | UDCon19 | Combination | Min | Y | 97.482 | 71.053 | 1.372 |
| 1F RF | UDCon19 | Combination | Min | X | 51.513 | 46.807 | 1.101 |
| 1F RF | UDCon19 | Combination | Min | Y | 72.956 | 57.624 | 1.266 |
| Base | UDCon19 | Combination | Min | X | 0.744 | 0.372 | 2 |
| Base | UDCon19 | Combination | Min | Y | 0.668 | 0.334 | 2 |
| 14 | UDCon20 | Combination | Max | X | 224.394 | 99.517 | 2.255 |
| 14 | UDCon20 | Combination | Max | Y | 236.289 | 66.521 | 3.552 |
| 13 | UDCon20 | Combination | Max | X | 216.28 | 96.57 | 2.24 |
| 13 | UDCon20 | Combination | Max | Y | 218.695 | 56.859 | 3.846 |
| 12F RF | UDCon20 | Combination | Max | X | 207.39 | 93.33 | 2.222 |
| 12F RF | UDCon20 | Combination | Max | Y | 201.273 | 47.706 | 4.219 |
| 11F RF | UDCon20 | Combination | Max | X | 197.55 | 89.35 | 2.211 |
| 11F RF | UDCon20 | Combination | Max | Y | 184.078 | 39.03 | 4.716 |
| 10F RF | UDCon20 | Combination | Max | X | 186.688 | 84.603 | 2.207 |
| 10F RF | UDCon20 | Combination | Max | Y | 167.185 | 31.136 | 5.369 |
| 9F RF | UDCon20 | Combination | Max | X | 174.801 | 79.109 | 2.21 |
| 9F RF | UDCon20 | Combination | Max | Y | 150.688 | 24.049 | 6.266 |
| 8F RF | UDCon20 | Combination | Max | X | 161.954 | 72.979 | 2.219 |
| 8F RF | UDCon20 | Combination | Max | Y | 134.859 | 17.926 | 7.523 |
| 7F RF | UDCon20 | Combination | Max | X | 148.298 | 66.405 | 2.233 |
| 7F RF | UDCon20 | Combination | Max | Y | 119.835 | 12.929 | 9.269 |
| 6F RF | UDCon20 | Combination | Max | X | 134.08 | 59.935 | 2.237 |
| 6F RF | UDCon20 | Combination | Max | Y | 105.559 | 9.129 | 11.563 |
| 5F RF | UDCon20 | Combination | Max | X | 119.699 | 53.671 | 2.23 |
| 5F RF | UDCon20 | Combination | Max | Y | 92.155 | 6.707 | 13.74 |
| 4F RF | UDCon20 | Combination | Max | X | 105.688 | 47.855 | 2.209 |

Table 3.6 - Story Max Over Avg Displacements (continued)

| Story | Output Case | Case Type | Step Type | Direction | Maximum mm | Average mm | Ratio |
|--------|-------------|-------------|-----------|-----------|------------|------------|--------|
| 4F RF | UDCon20 | Combination | Max | Y | 79.665 | 5.868 | 13.576 |
| 3F RF | UDCon20 | Combination | Max | X | 92.744 | 43.263 | 2.144 |
| 3F RF | UDCon20 | Combination | Max | Y | 67.993 | 6.904 | 9.848 |
| 2F RF | UDCon20 | Combination | Max | X | 81.053 | 43.053 | 1.883 |
| 2F RF | UDCon20 | Combination | Max | Y | 57.27 | 10.503 | 5.453 |
| 1F RF | UDCon20 | Combination | Max | X | 66.57 | 40.279 | 1.653 |
| 1F RF | UDCon20 | Combination | Max | Y | 49.696 | 14.259 | 3.485 |
| Base | UDCon20 | Combination | Max | X | 0.736 | 0.368 | 2 |
| Base | UDCon20 | Combination | Max | Y | 0.953 | 0.477 | 2 |
| 14 | UDCon20 | Combination | Min | X | 349.679 | 285.575 | 1.224 |
| 14 | UDCon20 | Combination | Min | Y | 213.052 | 104.273 | 2.043 |
| 13 | UDCon20 | Combination | Min | X | 331.351 | 269.322 | 1.23 |
| 13 | UDCon20 | Combination | Min | Y | 209.927 | 106.822 | 1.965 |
| 12F RF | UDCon20 | Combination | Min | X | 312.384 | 252.702 | 1.236 |
| 12F RF | UDCon20 | Combination | Min | Y | 206.107 | 108.857 | 1.893 |
| 11F RF | UDCon20 | Combination | Min | X | 292.713 | 235.583 | 1.243 |
| 11F RF | UDCon20 | Combination | Min | Y | 201.391 | 110.398 | 1.824 |
| 10F RF | UDCon20 | Combination | Min | X | 272.282 | 218.003 | 1.249 |
| 10F RF | UDCon20 | Combination | Min | Y | 195.594 | 111.698 | 1.751 |
| 9F RF | UDCon20 | Combination | Min | X | 251.061 | 200.027 | 1.255 |
| 9F RF | UDCon20 | Combination | Min | Y | 188.543 | 112.101 | 1.682 |
| 8F RF | UDCon20 | Combination | Min | X | 229.045 | 182.333 | 1.256 |
| 8F RF | UDCon20 | Combination | Min | Y | 180.072 | 111.496 | 1.615 |
| 7F RF | UDCon20 | Combination | Min | X | 206.234 | 164.519 | 1.254 |
| 7F RF | UDCon20 | Combination | Min | Y | 170.023 | 109.773 | 1.549 |
| 6F RF | UDCon20 | Combination | Min | X | 183.59 | 146.746 | 1.251 |
| 6F RF | UDCon20 | Combination | Min | Y | 158.225 | 106.824 | 1.481 |
| 5F RF | UDCon20 | Combination | Min | X | 161.821 | 129.407 | 1.25 |
| 5F RF | UDCon20 | Combination | Min | Y | 145.448 | 103.025 | 1.412 |
| 4F RF | UDCon20 | Combination | Min | X | 139.446 | 113.368 | 1.23 |
| 4F RF | UDCon20 | Combination | Min | Y | 130.54 | 97.836 | 1.334 |
| 3F RF | UDCon20 | Combination | Min | X | 116.051 | 97.594 | 1.189 |
| 3F RF | UDCon20 | Combination | Min | Y | 112.545 | 89.287 | 1.26 |
| 2F RF | UDCon20 | Combination | Min | X | 89.846 | 78.736 | 1.141 |
| 2F RF | UDCon20 | Combination | Min | Y | 91.427 | 74.692 | 1.224 |
| 1F RF | UDCon20 | Combination | Min | X | 67.967 | 59.7 | 1.138 |
| 1F RF | UDCon20 | Combination | Min | Y | 77.3 | 62.388 | 1.239 |
| Base | UDCon20 | Combination | Min | X | 0.999 | 0.5 | 2 |
| Base | UDCon20 | Combination | Min | Y | 0.699 | 0.35 | 2 |

Table 3.7 - Story Drifts

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|-----|
| 16 | Dead | LinStatic | | X | 0.001558 | 42 | 24.7 | 5 | 56 |
| 16 | Dead | LinStatic | | Y | 0.002059 | 40 | 3.75 | 5 | 56 |
| 16 | Live | LinStatic | | X | 0.00021 | 42 | 24.7 | 5 | 56 |
| 16 | Live | LinStatic | | Y | 0.000241 | 40 | 3.75 | 5 | 56 |
| 16 | FF | LinStatic | | X | 0.000768 | 42 | 24.7 | 5 | 56 |
| 16 | FF | LinStatic | | Y | 0.001088 | 40 | 3.75 | 5 | 56 |
| 16 | PW | LinStatic | | X | 0.000644 | 42 | 24.7 | 5 | 56 |
| 16 | PW | LinStatic | | Y | 0.000902 | 40 | 3.75 | 5 | 56 |
| 16 | Earthquake+x | LinStatic | | X | 0.002714 | 33 | 3.75 | 19.6 | 56 |
| 16 | Earthquake+x | LinStatic | | Y | 0.000679 | 33 | 3.75 | 19.6 | 56 |
| 16 | Earthquake+y | LinStatic | | Y | 0.004111 | 44 | 26.8 | 19.6 | 56 |
| 16 | TH-X Load Case | LinModHist | Max | X | 0.003377 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-X Load Case | LinModHist | Max | Y | 0.001084 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-X Load Case | LinModHist | Min | X | 0.002719 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-X Load Case | LinModHist | Min | Y | 0.001113 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-Y Load Case | LinModHist | Max | X | 0.003528 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-Y Load Case | LinModHist | Max | Y | 0.001789 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-Y Load Case | LinModHist | Min | X | 0.003165 | 33 | 3.75 | 19.6 | 56 |
| 16 | TH-Y Load Case | LinModHist | Min | Y | 0.001126 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon11 | Combination | | X | 0.004009 | 42 | 24.7 | 5 | 56 |
| 16 | UDCon11 | Combination | | Y | 0.005466 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon12 | Combination | | X | 0.004323 | 42 | 24.7 | 5 | 56 |
| 16 | UDCon12 | Combination | | Y | 0.005827 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon13 | Combination | Max | X | 0.002935 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon13 | Combination | Max | Y | 0.005175 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon13 | Combination | Min | X | 0.005006 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon13 | Combination | Min | Y | 0.003034 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon14 | Combination | Max | X | 0.002276 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon14 | Combination | Max | Y | 0.005208 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon14 | Combination | Min | X | 0.00576 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon14 | Combination | Min | Y | 0.003067 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon15 | Combination | Max | X | 0.003085 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon15 | Combination | Max | Y | 0.005883 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon15 | Combination | Min | X | 0.00519 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon15 | Combination | Min | Y | 0.003025 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon16 | Combination | Max | X | 0.002722 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon16 | Combination | Max | Y | 0.005216 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon16 | Combination | Min | X | 0.005958 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon16 | Combination | Min | Y | 0.002358 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon17 | Combination | Max | X | 0.002961 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon17 | Combination | Max | Y | 0.005103 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon17 | Combination | Min | X | 0.004943 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon17 | Combination | Min | Y | 0.002962 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon18 | Combination | Max | X | 0.002302 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon18 | Combination | Max | Y | 0.005136 | 40 | 3.75 | 5 | 56 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 16 | UDCon18 | Combination | Min | X | 0.005697 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon18 | Combination | Min | Y | 0.002995 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon19 | Combination | Max | X | 0.003111 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon19 | Combination | Max | Y | 0.005811 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon19 | Combination | Min | X | 0.005127 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon19 | Combination | Min | Y | 0.002953 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon20 | Combination | Max | X | 0.002748 | 33 | 3.75 | 19.6 | 56 |
| 16 | UDCon20 | Combination | Max | Y | 0.005144 | 40 | 3.75 | 5 | 56 |
| 16 | UDCon20 | Combination | Min | X | 0.005895 | 43 | 26.8 | 5 | 56 |
| 16 | UDCon20 | Combination | Min | Y | 0.002286 | 40 | 3.75 | 5 | 56 |
| 15 | Dead | LinStatic | | X | 0.001547 | 43 | 26.8 | 5 | 52.5 |
| 15 | Dead | LinStatic | | Y | 0.002048 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | Live | LinStatic | | X | 0.000208 | 43 | 26.8 | 5 | 52.5 |
| 15 | Live | LinStatic | | Y | 0.000239 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | FF | LinStatic | | X | 0.000765 | 43 | 26.8 | 5 | 52.5 |
| 15 | FF | LinStatic | | Y | 0.00108 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | PW | LinStatic | | X | 0.000642 | 43 | 26.8 | 5 | 52.5 |
| 15 | PW | LinStatic | | Y | 0.000897 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | Earthquake+x | LinStatic | | X | 0.002829 | 32 | 11.4 | 19.6 | 52.5 |
| 15 | Earthquake+x | LinStatic | | Y | 0.000669 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | Earthquake+y | LinStatic | | Y | 0.004154 | 45 | 26.8 | 14.8 | 52.5 |
| 15 | TH-X Load Case | LinModHist | Max | X | 0.003513 | 31 | 15.8 | 19.6 | 52.5 |
| 15 | TH-X Load Case | LinModHist | Max | Y | 0.001087 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | TH-X Load Case | LinModHist | Min | X | 0.002826 | 32 | 11.4 | 19.6 | 52.5 |
| 15 | TH-X Load Case | LinModHist | Min | Y | 0.001115 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | TH-Y Load Case | LinModHist | Max | X | 0.003666 | 31 | 15.8 | 19.6 | 52.5 |
| 15 | TH-Y Load Case | LinModHist | Max | Y | 0.001802 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | TH-Y Load Case | LinModHist | Min | X | 0.003287 | 31 | 15.8 | 19.6 | 52.5 |
| 15 | TH-Y Load Case | LinModHist | Min | Y | 0.001121 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon11 | Combination | | X | 0.003987 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon11 | Combination | | Y | 0.005434 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon12 | Combination | | X | 0.004299 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon12 | Combination | | Y | 0.005792 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon13 | Combination | Max | X | 0.002937 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon13 | Combination | Max | Y | 0.005184 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon13 | Combination | Min | X | 0.005036 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon13 | Combination | Min | Y | 0.002982 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon14 | Combination | Max | X | 0.00225 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon14 | Combination | Max | Y | 0.005212 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon14 | Combination | Min | X | 0.005809 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon14 | Combination | Min | Y | 0.00301 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon15 | Combination | Max | X | 0.00309 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon15 | Combination | Max | Y | 0.005899 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon15 | Combination | Min | X | 0.005226 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon15 | Combination | Min | Y | 0.002976 | 38 | 3.75 | 14.8 | 52.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 15 | UDCon16 | Combination | Max | X | 0.002711 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon16 | Combination | Max | Y | 0.005218 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon16 | Combination | Min | X | 0.006017 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon16 | Combination | Min | Y | 0.002295 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon17 | Combination | Max | X | 0.002966 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon17 | Combination | Max | Y | 0.005112 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon17 | Combination | Min | X | 0.004973 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon17 | Combination | Min | Y | 0.002911 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon18 | Combination | Max | X | 0.002278 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon18 | Combination | Max | Y | 0.00514 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon18 | Combination | Min | X | 0.005746 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon18 | Combination | Min | Y | 0.002939 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon19 | Combination | Max | X | 0.003118 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon19 | Combination | Max | Y | 0.005828 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon19 | Combination | Min | X | 0.005163 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon19 | Combination | Min | Y | 0.002904 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon20 | Combination | Max | X | 0.002739 | 44 | 26.8 | 19.6 | 52.5 |
| 15 | UDCon20 | Combination | Max | Y | 0.005147 | 38 | 3.75 | 14.8 | 52.5 |
| 15 | UDCon20 | Combination | Min | X | 0.005954 | 43 | 26.8 | 5 | 52.5 |
| 15 | UDCon20 | Combination | Min | Y | 0.002223 | 38 | 3.75 | 14.8 | 52.5 |
| 14 | Dead | LinStatic | | X | 0.001541 | 43 | 26.8 | 5 | 49 |
| 14 | Dead | LinStatic | | Y | 0.002025 | 38 | 3.75 | 14.8 | 49 |
| 14 | Live | LinStatic | | X | 0.000207 | 43 | 26.8 | 5 | 49 |
| 14 | Live | LinStatic | | Y | 0.000236 | 38 | 3.75 | 14.8 | 49 |
| 14 | FF | LinStatic | | X | 0.000764 | 43 | 26.8 | 5 | 49 |
| 14 | FF | LinStatic | | Y | 0.001068 | 38 | 3.75 | 14.8 | 49 |
| 14 | PW | LinStatic | | X | 0.000642 | 43 | 26.8 | 5 | 49 |
| 14 | PW | LinStatic | | Y | 0.000887 | 38 | 3.75 | 14.8 | 49 |
| 14 | Earthquake+x | LinStatic | | X | 0.002973 | 44 | 26.8 | 19.6 | 49 |
| 14 | Earthquake+x | LinStatic | | Y | 0.00068 | 40 | 3.75 | 5 | 49 |
| 14 | Earthquake+y | LinStatic | | Y | 0.004232 | 47 | 26.8 | 10 | 49 |
| 14 | TH-X Load Case | LinModHist | Max | X | 0.003657 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-X Load Case | LinModHist | Max | Y | 0.001103 | 40 | 3.75 | 5 | 49 |
| 14 | TH-X Load Case | LinModHist | Min | X | 0.002953 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-X Load Case | LinModHist | Min | Y | 0.001131 | 40 | 3.75 | 5 | 49 |
| 14 | TH-Y Load Case | LinModHist | Max | X | 0.003816 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-Y Load Case | LinModHist | Max | Y | 0.001829 | 40 | 3.75 | 5 | 49 |
| 14 | TH-Y Load Case | LinModHist | Min | X | 0.003424 | 44 | 26.8 | 19.6 | 49 |
| 14 | TH-Y Load Case | LinModHist | Min | Y | 0.001137 | 40 | 3.75 | 5 | 49 |
| 14 | UDCon11 | Combination | | X | 0.003979 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon11 | Combination | | Y | 0.005372 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon12 | Combination | | X | 0.00429 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon12 | Combination | | Y | 0.005726 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon13 | Combination | Max | X | 0.003065 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon13 | Combination | Max | Y | 0.005152 | 38 | 3.75 | 14.8 | 49 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 14 | UDCon13 | Combination | Min | X | 0.005122 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon13 | Combination | Min | Y | 0.002921 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon14 | Combination | Max | X | 0.002361 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon14 | Combination | Max | Y | 0.005179 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon14 | Combination | Min | X | 0.005918 | 41 | 7 | 5 | 49 |
| 14 | UDCon14 | Combination | Min | Y | 0.002948 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon15 | Combination | Max | X | 0.003224 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon15 | Combination | Max | Y | 0.005879 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon15 | Combination | Min | X | 0.005321 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon15 | Combination | Min | Y | 0.002917 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon16 | Combination | Max | X | 0.002832 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon16 | Combination | Max | Y | 0.005184 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon16 | Combination | Min | X | 0.006142 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon16 | Combination | Min | Y | 0.002222 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon17 | Combination | Max | X | 0.003094 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon17 | Combination | Max | Y | 0.005082 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon17 | Combination | Min | X | 0.00506 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon17 | Combination | Min | Y | 0.002851 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon18 | Combination | Max | X | 0.002389 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon18 | Combination | Max | Y | 0.005109 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon18 | Combination | Min | X | 0.005856 | 41 | 7 | 5 | 49 |
| 14 | UDCon18 | Combination | Min | Y | 0.002878 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon19 | Combination | Max | X | 0.003253 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon19 | Combination | Max | Y | 0.005808 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon19 | Combination | Min | X | 0.005259 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon19 | Combination | Min | Y | 0.002846 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon20 | Combination | Max | X | 0.002861 | 44 | 26.8 | 19.6 | 49 |
| 14 | UDCon20 | Combination | Max | Y | 0.005113 | 38 | 3.75 | 14.8 | 49 |
| 14 | UDCon20 | Combination | Min | X | 0.00608 | 43 | 26.8 | 5 | 49 |
| 14 | UDCon20 | Combination | Min | Y | 0.002151 | 38 | 3.75 | 14.8 | 49 |
| 13 | Dead | LinStatic | | X | 0.001545 | 41 | 7 | 5 | 45.5 |
| 13 | Dead | LinStatic | | Y | 0.001992 | 40 | 3.75 | 5 | 45.5 |
| 13 | Live | LinStatic | | X | 0.000207 | 41 | 7 | 5 | 45.5 |
| 13 | Live | LinStatic | | Y | 0.000232 | 40 | 3.75 | 5 | 45.5 |
| 13 | FF | LinStatic | | X | 0.000769 | 41 | 7 | 5 | 45.5 |
| 13 | FF | LinStatic | | Y | 0.001051 | 40 | 3.75 | 5 | 45.5 |
| 13 | PW | LinStatic | | X | 0.000648 | 41 | 7 | 5 | 45.5 |
| 13 | PW | LinStatic | | Y | 0.000873 | 40 | 3.75 | 5 | 45.5 |
| 13 | Earthquake+x | LinStatic | | X | 0.003141 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | Earthquake+x | LinStatic | | Y | 0.0007 | 40 | 3.75 | 5 | 45.5 |
| 13 | Earthquake+y | LinStatic | | Y | 0.004328 | 47 | 26.8 | 10 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Max | X | 0.003798 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Max | Y | 0.001123 | 40 | 3.75 | 5 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Min | X | 0.003093 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-X Load Case | LinModHist | Min | Y | 0.00115 | 39 | 3.75 | 10 | 45.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|--------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 13 | TH-Y Load Case | LinModHist | Max | X | 0.003963 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Max | Y | 0.001862 | 38 | 3.75 | 14.8 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Min | X | 0.00357 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | TH-Y Load Case | LinModHist | Min | Y | 0.001156 | 39 | 3.75 | 10 | 45.5 |
| 13 | UDCon11 | Combination | | X | 0.003999 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon11 | Combination | | Y | 0.005286 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon12 | Combination | | X | 0.004309 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon12 | Combination | | Y | 0.005634 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon13 | Combination | Max | X | 0.00326 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon13 | Combination | Max | Y | 0.005108 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon13 | Combination | Min | X | 0.005258 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon13 | Combination | Min | Y | 0.002835 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Max | X | 0.002555 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon14 | Combination | Max | Y | 0.005136 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Min | X | 0.00606 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon14 | Combination | Min | Y | 0.002862 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Max | X | 0.003424 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon15 | Combination | Max | Y | 0.005848 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Min | X | 0.005463 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon15 | Combination | Min | Y | 0.002829 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon16 | Combination | Max | X | 0.003032 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon16 | Combination | Max | Y | 0.005142 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon16 | Combination | Min | X | 0.006311 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Max | X | 0.003287 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon17 | Combination | Max | Y | 0.005039 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Min | X | 0.005196 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon17 | Combination | Min | Y | 0.002766 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Max | X | 0.002582 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon18 | Combination | Max | Y | 0.005066 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Min | X | 0.005998 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon18 | Combination | Min | Y | 0.002793 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Max | X | 0.003452 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon19 | Combination | Max | Y | 0.005778 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Min | X | 0.005401 | 41 | 7 | 5 | 45.5 |
| 13 | UDCon19 | Combination | Min | Y | 0.00276 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon20 | Combination | Max | X | 0.003059 | 44 | 26.8 | 19.6 | 45.5 |
| 13 | UDCon20 | Combination | Max | Y | 0.005072 | 40 | 3.75 | 5 | 45.5 |
| 13 | UDCon20 | Combination | Min | X | 0.006249 | 41 | 7 | 5 | 45.5 |
| 12F RF | Dead | LinStatic | | X | 0.001547 | 41 | 7 | 5 | 42 |
| 12F RF | Dead | LinStatic | | Y | 0.00195 | 40 | 3.75 | 5 | 42 |
| 12F RF | Live | LinStatic | | X | 0.000206 | 41 | 7 | 5 | 42 |
| 12F RF | Live | LinStatic | | Y | 0.000227 | 40 | 3.75 | 5 | 42 |
| 12F RF | FF | LinStatic | | X | 0.000774 | 41 | 7 | 5 | 42 |
| 12F RF | FF | LinStatic | | Y | 0.00103 | 40 | 3.75 | 5 | 42 |
| 12F RF | PW | LinStatic | | X | 0.000653 | 41 | 7 | 5 | 42 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|--------|----------------|-------------|-----------|-----------|----------|-------|------|------|-----|
| 12F RF | PW | LinStatic | | Y | 0.000855 | 40 | 3.75 | 5 | 42 |
| 12F RF | Earthquake+x | LinStatic | | X | 0.003313 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | Earthquake+x | LinStatic | | Y | 0.000719 | 39 | 3.75 | 10 | 42 |
| 12F RF | Earthquake+y | LinStatic | | Y | 0.004426 | 43 | 26.8 | 5 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Max | X | 0.003907 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Max | Y | 0.001141 | 40 | 3.75 | 5 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Min | X | 0.003225 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-X Load Case | LinModHist | Min | Y | 0.001166 | 39 | 3.75 | 10 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Max | X | 0.004079 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001894 | 38 | 3.75 | 14.8 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Min | X | 0.003701 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001176 | 39 | 3.75 | 10 | 42 |
| 12F RF | UDCon11 | Combination | | X | 0.004016 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon11 | Combination | | Y | 0.005178 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon12 | Combination | | X | 0.004325 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon12 | Combination | | Y | 0.005518 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Max | X | 0.003448 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon13 | Combination | Max | Y | 0.005045 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Min | X | 0.005385 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon13 | Combination | Min | Y | 0.002738 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Max | X | 0.002768 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon14 | Combination | Max | Y | 0.005069 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Min | X | 0.006172 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon14 | Combination | Min | Y | 0.002763 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Max | X | 0.00362 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon15 | Combination | Max | Y | 0.005797 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Min | X | 0.005591 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon15 | Combination | Min | Y | 0.002728 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon16 | Combination | Max | X | 0.003243 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon16 | Combination | Max | Y | 0.00508 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon16 | Combination | Min | X | 0.006461 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Max | X | 0.003473 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon17 | Combination | Max | Y | 0.004977 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Min | X | 0.005323 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon17 | Combination | Min | Y | 0.00267 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Max | X | 0.002793 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon18 | Combination | Max | Y | 0.005001 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Min | X | 0.00611 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon18 | Combination | Min | Y | 0.002695 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Max | X | 0.003645 | 44 | 26.8 | 19.6 | 42 |
| 12F RF | UDCon19 | Combination | Max | Y | 0.005729 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Min | X | 0.00553 | 41 | 7 | 5 | 42 |
| 12F RF | UDCon19 | Combination | Min | Y | 0.00266 | 40 | 3.75 | 5 | 42 |
| 12F RF | UDCon20 | Combination | Max | X | 0.003268 | 33 | 3.75 | 19.6 | 42 |
| 12F RF | UDCon20 | Combination | Max | Y | 0.005012 | 40 | 3.75 | 5 | 42 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|--------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 12F RF | UDCon20 | Combination | Min | X | 0.006399 | 41 | 7 | 5 | 42 |
| 11F RF | Dead | LinStatic | | X | 0.001551 | 41 | 7 | 5 | 38.5 |
| 11F RF | Dead | LinStatic | | Y | 0.001897 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | Live | LinStatic | | X | 0.000204 | 41 | 7 | 5 | 38.5 |
| 11F RF | Live | LinStatic | | Y | 0.00022 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | FF | LinStatic | | X | 0.000781 | 41 | 7 | 5 | 38.5 |
| 11F RF | FF | LinStatic | | Y | 0.001003 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | PW | LinStatic | | X | 0.000661 | 43 | 26.8 | 5 | 38.5 |
| 11F RF | PW | LinStatic | | Y | 0.000833 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | Earthquake+x | LinStatic | | X | 0.00348 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | Earthquake+x | LinStatic | | Y | 0.000737 | 39 | 3.75 | 10 | 38.5 |
| 11F RF | Earthquake+y | LinStatic | | Y | 0.004516 | 43 | 26.8 | 5 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Max | X | 0.003975 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Max | Y | 0.001155 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Min | X | 0.00334 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-X Load Case | LinModHist | Min | Y | 0.001176 | 39 | 3.75 | 10 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Max | X | 0.004157 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001919 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Min | X | 0.003808 | 44 | 26.8 | 19.6 | 38.5 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001197 | 38 | 3.75 | 14.8 | 38.5 |
| 11F RF | UDCon11 | Combination | | X | 0.004039 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon11 | Combination | | Y | 0.005039 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon12 | Combination | | X | 0.004346 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon12 | Combination | | Y | 0.005369 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Max | X | 0.00362 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon13 | Combination | Max | Y | 0.004953 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Min | X | 0.005505 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon13 | Combination | Min | Y | 0.002623 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Max | X | 0.002986 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon14 | Combination | Max | Y | 0.004974 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Min | X | 0.006254 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon14 | Combination | Min | Y | 0.002644 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon15 | Combination | Max | X | 0.003801 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon15 | Combination | Max | Y | 0.005717 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon15 | Combination | Min | X | 0.00571 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon15 | Combination | Min | Y | 0.002603 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon16 | Combination | Max | X | 0.003454 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon16 | Combination | Max | Y | 0.004995 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon16 | Combination | Min | X | 0.00659 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Max | X | 0.003643 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon17 | Combination | Max | Y | 0.004887 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Min | X | 0.005443 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon17 | Combination | Min | Y | 0.002557 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon18 | Combination | Max | X | 0.003009 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon18 | Combination | Max | Y | 0.004908 | 40 | 3.75 | 5 | 38.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|--------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 11F RF | UDCon18 | Combination | Min | X | 0.006193 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon18 | Combination | Min | Y | 0.002578 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Max | X | 0.003825 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon19 | Combination | Max | Y | 0.005651 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Min | X | 0.005649 | 41 | 7 | 5 | 38.5 |
| 11F RF | UDCon19 | Combination | Min | Y | 0.002537 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon20 | Combination | Max | X | 0.003478 | 33 | 3.75 | 19.6 | 38.5 |
| 11F RF | UDCon20 | Combination | Max | Y | 0.004929 | 40 | 3.75 | 5 | 38.5 |
| 11F RF | UDCon20 | Combination | Min | X | 0.006529 | 41 | 7 | 5 | 38.5 |
| 10F RF | Dead | LinStatic | | X | 0.001559 | 43 | 26.8 | 5 | 35 |
| 10F RF | Dead | LinStatic | | Y | 0.001833 | 40 | 3.75 | 5 | 35 |
| 10F RF | Live | LinStatic | | X | 0.000203 | 50 | 22.6 | 5 | 35 |
| 10F RF | Live | LinStatic | | Y | 0.000212 | 40 | 3.75 | 5 | 35 |
| 10F RF | FF | LinStatic | | X | 0.000792 | 43 | 26.8 | 5 | 35 |
| 10F RF | FF | LinStatic | | Y | 0.00097 | 40 | 3.75 | 5 | 35 |
| 10F RF | PW | LinStatic | | X | 0.000673 | 43 | 26.8 | 5 | 35 |
| 10F RF | PW | LinStatic | | Y | 0.000806 | 40 | 3.75 | 5 | 35 |
| 10F RF | Earthquake+x | LinStatic | | X | 0.003632 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | Earthquake+x | LinStatic | | Y | 0.000753 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | Earthquake+y | LinStatic | | Y | 0.004592 | 43 | 26.8 | 5 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Max | X | 0.003994 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Max | Y | 0.001163 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Min | X | 0.003426 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-X Load Case | LinModHist | Min | Y | 0.001179 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Max | X | 0.004191 | 44 | 26.8 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001933 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Min | X | 0.003884 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001213 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon11 | Combination | | X | 0.004082 | 43 | 26.8 | 5 | 35 |
| 10F RF | UDCon11 | Combination | | Y | 0.004872 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon12 | Combination | | X | 0.004387 | 43 | 26.8 | 5 | 35 |
| 10F RF | UDCon12 | Combination | | Y | 0.00519 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon13 | Combination | Max | X | 0.00376 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon13 | Combination | Max | Y | 0.004834 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon13 | Combination | Min | X | 0.005615 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Max | X | 0.003192 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon14 | Combination | Max | Y | 0.00485 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Min | X | 0.006306 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon14 | Combination | Min | Y | 0.002511 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon15 | Combination | Max | X | 0.003957 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon15 | Combination | Max | Y | 0.005604 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon15 | Combination | Min | X | 0.005838 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon16 | Combination | Max | X | 0.003651 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon16 | Combination | Max | Y | 0.004886 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon16 | Combination | Min | X | 0.006697 | 42 | 24.7 | 5 | 35 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|--------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 10F RF | UDCon17 | Combination | Max | X | 0.00378 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon17 | Combination | Max | Y | 0.00477 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon17 | Combination | Min | X | 0.005554 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon18 | Combination | Max | X | 0.003213 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon18 | Combination | Max | Y | 0.004786 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon18 | Combination | Min | X | 0.006245 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon19 | Combination | Max | X | 0.003977 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon19 | Combination | Max | Y | 0.005541 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon19 | Combination | Min | X | 0.005777 | 50 | 22.6 | 5 | 35 |
| 10F RF | UDCon20 | Combination | Max | X | 0.003671 | 33 | 3.75 | 19.6 | 35 |
| 10F RF | UDCon20 | Combination | Max | Y | 0.004822 | 40 | 3.75 | 5 | 35 |
| 10F RF | UDCon20 | Combination | Min | X | 0.006636 | 42 | 24.7 | 5 | 35 |
| 9F RF | Dead | LinStatic | | X | 0.001574 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | Dead | LinStatic | | Y | 0.001759 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | Live | LinStatic | | X | 0.000202 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | Live | LinStatic | | Y | 0.000203 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | FF | LinStatic | | X | 0.000807 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | FF | LinStatic | | Y | 0.000932 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | PW | LinStatic | | X | 0.00069 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | PW | LinStatic | | Y | 0.000775 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | Earthquake+x | LinStatic | | X | 0.003761 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | Earthquake+x | LinStatic | | Y | 0.000764 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | Earthquake+y | LinStatic | | Y | 0.004647 | 45 | 26.8 | 14.8 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Max | X | 0.00396 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Max | Y | 0.00116 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Min | X | 0.003476 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-X Load Case | LinModHist | Min | Y | 0.001172 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Max | X | 0.00418 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001932 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Min | X | 0.003923 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001221 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon11 | Combination | | X | 0.004146 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | UDCon11 | Combination | | Y | 0.004678 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon12 | Combination | | X | 0.004449 | 43 | 26.8 | 5 | 31.5 |
| 9F RF | UDCon12 | Combination | | Y | 0.004983 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon13 | Combination | Max | X | 0.003857 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon13 | Combination | Max | Y | 0.004684 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon13 | Combination | Min | X | 0.005716 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon14 | Combination | Max | X | 0.003373 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon14 | Combination | Max | Y | 0.004696 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon14 | Combination | Min | X | 0.006386 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon15 | Combination | Max | X | 0.004077 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon15 | Combination | Max | Y | 0.005456 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon15 | Combination | Min | X | 0.006018 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon16 | Combination | Max | X | 0.003819 | 33 | 3.75 | 19.6 | 31.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 9F RF | UDCon16 | Combination | Max | Y | 0.004747 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon16 | Combination | Min | X | 0.006782 | 42 | 24.7 | 5 | 31.5 |
| 9F RF | UDCon17 | Combination | Max | X | 0.003874 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon17 | Combination | Max | Y | 0.004623 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon17 | Combination | Min | X | 0.005656 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon18 | Combination | Max | X | 0.00339 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon18 | Combination | Max | Y | 0.004635 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon18 | Combination | Min | X | 0.006326 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon19 | Combination | Max | X | 0.004094 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon19 | Combination | Max | Y | 0.005395 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon19 | Combination | Min | X | 0.005957 | 50 | 22.6 | 5 | 31.5 |
| 9F RF | UDCon20 | Combination | Max | X | 0.003837 | 33 | 3.75 | 19.6 | 31.5 |
| 9F RF | UDCon20 | Combination | Max | Y | 0.004686 | 40 | 3.75 | 5 | 31.5 |
| 9F RF | UDCon20 | Combination | Min | X | 0.006721 | 42 | 24.7 | 5 | 31.5 |
| 8F RF | Dead | LinStatic | | X | 0.001598 | 41 | 7 | 5 | 28 |
| 8F RF | Dead | LinStatic | | Y | 0.001675 | 40 | 3.75 | 5 | 28 |
| 8F RF | Live | LinStatic | | X | 0.000201 | 41 | 7 | 5 | 28 |
| 8F RF | Live | LinStatic | | Y | 0.000193 | 40 | 3.75 | 5 | 28 |
| 8F RF | FF | LinStatic | | X | 0.000829 | 41 | 7 | 5 | 28 |
| 8F RF | FF | LinStatic | | Y | 0.000889 | 40 | 3.75 | 5 | 28 |
| 8F RF | PW | LinStatic | | X | 0.000712 | 41 | 7 | 5 | 28 |
| 8F RF | PW | LinStatic | | Y | 0.00074 | 40 | 3.75 | 5 | 28 |
| 8F RF | Earthquake+x | LinStatic | | X | 0.003857 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | Earthquake+x | LinStatic | | Y | 0.000767 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | Earthquake+y | LinStatic | | Y | 0.004675 | 45 | 26.8 | 14.8 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Max | X | 0.003872 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Max | Y | 0.001145 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Min | X | 0.003482 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-X Load Case | LinModHist | Min | Y | 0.001153 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Max | X | 0.004124 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Max | Y | 0.00191 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Min | X | 0.003919 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001217 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon11 | Combination | | X | 0.004238 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon11 | Combination | | Y | 0.00446 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon12 | Combination | | X | 0.004541 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon12 | Combination | | Y | 0.00475 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon13 | Combination | Max | X | 0.003901 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon13 | Combination | Max | Y | 0.004506 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon13 | Combination | Min | X | 0.005809 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon14 | Combination | Max | X | 0.003511 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon14 | Combination | Max | Y | 0.004514 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon14 | Combination | Min | X | 0.00649 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon15 | Combination | Max | X | 0.004152 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon15 | Combination | Max | Y | 0.005271 | 40 | 3.75 | 5 | 28 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 8F RF | UDCon15 | Combination | Min | X | 0.006188 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Max | X | 0.003948 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon16 | Combination | Max | Y | 0.004579 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Min | X | 0.006844 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon16 | Combination | Min | Y | 0.002943 | 48 | 26.8 | 12 | 28 |
| 8F RF | UDCon17 | Combination | Max | X | 0.003915 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon17 | Combination | Max | Y | 0.004448 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon17 | Combination | Min | X | 0.005749 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon18 | Combination | Max | X | 0.003525 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon18 | Combination | Max | Y | 0.004456 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon18 | Combination | Min | X | 0.006429 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon19 | Combination | Max | X | 0.004166 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon19 | Combination | Max | Y | 0.005213 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon19 | Combination | Min | X | 0.006127 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Max | X | 0.003962 | 33 | 3.75 | 19.6 | 28 |
| 8F RF | UDCon20 | Combination | Max | Y | 0.004521 | 40 | 3.75 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Min | X | 0.006784 | 41 | 7 | 5 | 28 |
| 8F RF | UDCon20 | Combination | Min | Y | 0.002928 | 48 | 26.8 | 12 | 28 |
| 7F RF | Dead | LinStatic | | X | 0.001649 | 41 | 7 | 5 | 24.5 |
| 7F RF | Dead | LinStatic | | Y | 0.001584 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | Live | LinStatic | | X | 0.000203 | 41 | 7 | 5 | 24.5 |
| 7F RF | Live | LinStatic | | Y | 0.000182 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | FF | LinStatic | | X | 0.00087 | 41 | 7 | 5 | 24.5 |
| 7F RF | FF | LinStatic | | Y | 0.000843 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | PW | LinStatic | | X | 0.000752 | 41 | 7 | 5 | 24.5 |
| 7F RF | PW | LinStatic | | Y | 0.000702 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | Earthquake+x | LinStatic | | X | 0.00391 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | Earthquake+x | LinStatic | | Y | 0.000764 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | Earthquake+y | LinStatic | | X | 0.001008 | 41 | 7 | 5 | 24.5 |
| 7F RF | Earthquake+y | LinStatic | | Y | 0.00467 | 45 | 26.8 | 14.8 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Max | X | 0.003733 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Max | Y | 0.001117 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Min | X | 0.00344 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-X Load Case | LinModHist | Min | Y | 0.001121 | 39 | 3.75 | 10 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Max | X | 0.004083 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001865 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Min | X | 0.003919 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001196 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon11 | Combination | | X | 0.004414 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon11 | Combination | | Y | 0.004225 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon12 | Combination | | X | 0.004719 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon12 | Combination | | Y | 0.004498 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon13 | Combination | Max | X | 0.003877 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon13 | Combination | Max | Y | 0.004301 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon13 | Combination | Min | X | 0.005922 | 41 | 7 | 5 | 24.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 7F RF | UDCon13 | Combination | Min | Y | 0.003068 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon14 | Combination | Max | X | 0.003584 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon14 | Combination | Max | Y | 0.004305 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon14 | Combination | Min | X | 0.006597 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon15 | Combination | Max | X | 0.004227 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon15 | Combination | Max | Y | 0.005049 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon15 | Combination | Min | X | 0.006369 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon16 | Combination | Max | X | 0.004063 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon16 | Combination | Max | Y | 0.00438 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon16 | Combination | Min | X | 0.006915 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon16 | Combination | Min | Y | 0.003486 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon17 | Combination | Max | X | 0.003888 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon17 | Combination | Max | Y | 0.004247 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon17 | Combination | Min | X | 0.005861 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon17 | Combination | Min | Y | 0.003044 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon18 | Combination | Max | X | 0.003595 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon18 | Combination | Max | Y | 0.004251 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon18 | Combination | Min | X | 0.006536 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Max | X | 0.004238 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon19 | Combination | Max | Y | 0.004994 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Min | X | 0.006308 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon19 | Combination | Min | Y | 0.002978 | 48 | 26.8 | 12 | 24.5 |
| 7F RF | UDCon20 | Combination | Max | X | 0.004074 | 33 | 3.75 | 19.6 | 24.5 |
| 7F RF | UDCon20 | Combination | Max | Y | 0.004325 | 40 | 3.75 | 5 | 24.5 |
| 7F RF | UDCon20 | Combination | Min | X | 0.006854 | 41 | 7 | 5 | 24.5 |
| 7F RF | UDCon20 | Combination | Min | Y | 0.003462 | 48 | 26.8 | 12 | 24.5 |
| 6F RF | Dead | LinStatic | | X | 0.001734 | 40 | 3.75 | 5 | 21 |
| 6F RF | Dead | LinStatic | | Y | 0.001488 | 40 | 3.75 | 5 | 21 |
| 6F RF | Live | LinStatic | | X | 0.000208 | 40 | 3.75 | 5 | 21 |
| 6F RF | Live | LinStatic | | Y | 0.00017 | 40 | 3.75 | 5 | 21 |
| 6F RF | FF | LinStatic | | X | 0.000933 | 41 | 7 | 5 | 21 |
| 6F RF | PW | LinStatic | | X | 0.000812 | 41 | 7 | 5 | 21 |
| 6F RF | PW | LinStatic | | Y | 0.000773 | 48 | 26.8 | 12 | 21 |
| 6F RF | Earthquake+x | LinStatic | | X | 0.003912 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | Earthquake+x | LinStatic | | Y | 0.000752 | 39 | 3.75 | 10 | 21 |
| 6F RF | Earthquake+y | LinStatic | | X | 0.001122 | 41 | 7 | 5 | 21 |
| 6F RF | Earthquake+y | LinStatic | | Y | 0.004623 | 45 | 26.8 | 14.8 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Max | X | 0.003542 | 32 | 11.4 | 19.6 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Max | Y | 0.001076 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Min | X | 0.003345 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-X Load Case | LinModHist | Min | Y | 0.001077 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Max | X | 0.004008 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001794 | 40 | 3.75 | 5 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Min | X | 0.003898 | 33 | 3.75 | 19.6 | 21 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001156 | 40 | 3.75 | 5 | 21 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|--------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 6F RF | UDCon11 | Combination | | X | 0.004697 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon12 | Combination | | X | 0.005009 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Max | X | 0.003769 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon13 | Combination | Max | Y | 0.004073 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Min | X | 0.006072 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon13 | Combination | Min | Y | 0.003665 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon14 | Combination | Max | X | 0.003572 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon14 | Combination | Max | Y | 0.004074 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon14 | Combination | Min | X | 0.006722 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon14 | Combination | Min | Y | 0.0034 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon15 | Combination | Max | X | 0.004235 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon15 | Combination | Max | Y | 0.004791 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon15 | Combination | Min | X | 0.006574 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon15 | Combination | Min | Y | 0.003587 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon16 | Combination | Max | X | 0.004124 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon16 | Combination | Max | Y | 0.004153 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon16 | Combination | Min | X | 0.007069 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon16 | Combination | Min | Y | 0.004088 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon17 | Combination | Max | X | 0.003777 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon17 | Combination | Max | Y | 0.004022 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon17 | Combination | Min | X | 0.00601 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon17 | Combination | Min | Y | 0.00363 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon18 | Combination | Max | X | 0.003579 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon18 | Combination | Max | Y | 0.004023 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon18 | Combination | Min | X | 0.006659 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon18 | Combination | Min | Y | 0.003365 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon19 | Combination | Max | X | 0.004243 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon19 | Combination | Max | Y | 0.00474 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon19 | Combination | Min | X | 0.006512 | 41 | 7 | 5 | 21 |
| 6F RF | UDCon19 | Combination | Min | Y | 0.003552 | 48 | 26.8 | 12 | 21 |
| 6F RF | UDCon20 | Combination | Max | X | 0.004132 | 31 | 15.8 | 19.6 | 21 |
| 6F RF | UDCon20 | Combination | Max | Y | 0.004102 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon20 | Combination | Min | X | 0.007006 | 40 | 3.75 | 5 | 21 |
| 6F RF | UDCon20 | Combination | Min | Y | 0.004053 | 48 | 26.8 | 12 | 21 |
| 5F RF | Dead | LinStatic | | X | 0.00186 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | Dead | LinStatic | | Y | 0.001654 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | Live | LinStatic | | X | 0.000216 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | FF | LinStatic | | X | 0.001023 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | FF | LinStatic | | Y | 0.001033 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | PW | LinStatic | | X | 0.000898 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | PW | LinStatic | | Y | 0.000946 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | Earthquake+x | LinStatic | | X | 0.003854 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | Earthquake+x | LinStatic | | Y | 0.000729 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | Earthquake+y | LinStatic | | X | 0.001272 | 41 | 7 | 5 | 17.5 |
| 5F RF | Earthquake+y | LinStatic | | Y | 0.004521 | 45 | 26.8 | 14.8 | 17.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 5F RF | TH-X Load Case | LinModHist | Max | X | 0.003306 | 32 | 11.4 | 19.6 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Max | Y | 0.001019 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Min | X | 0.003197 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | TH-X Load Case | LinModHist | Min | Y | 0.001018 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Max | X | 0.003904 | 32 | 11.4 | 19.6 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001696 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Min | X | 0.003804 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | TH-Y Load Case | LinModHist | Min | Y | 0.001095 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon11 | Combination | | X | 0.005104 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon11 | Combination | | Y | 0.004905 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon12 | Combination | | X | 0.005428 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon12 | Combination | | Y | 0.00514 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon13 | Combination | Max | X | 0.003557 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon13 | Combination | Max | Y | 0.003815 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon13 | Combination | Min | X | 0.006274 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon13 | Combination | Min | Y | 0.004358 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon14 | Combination | Max | X | 0.003448 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon14 | Combination | Max | Y | 0.003814 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon14 | Combination | Min | X | 0.006872 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon14 | Combination | Min | Y | 0.004101 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon15 | Combination | Max | X | 0.004155 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon15 | Combination | Max | Y | 0.004491 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon15 | Combination | Min | X | 0.006815 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon15 | Combination | Min | Y | 0.004252 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon16 | Combination | Max | X | 0.004055 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon16 | Combination | Max | Y | 0.003891 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon16 | Combination | Min | X | 0.007341 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon16 | Combination | Min | Y | 0.004767 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon17 | Combination | Max | X | 0.003562 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon17 | Combination | Max | Y | 0.003767 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon17 | Combination | Min | X | 0.00621 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon17 | Combination | Min | Y | 0.004311 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon18 | Combination | Max | X | 0.003453 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon18 | Combination | Max | Y | 0.003766 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon18 | Combination | Min | X | 0.006807 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon18 | Combination | Min | Y | 0.004054 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon19 | Combination | Max | X | 0.00416 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon19 | Combination | Max | Y | 0.004444 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon19 | Combination | Min | X | 0.00675 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon19 | Combination | Min | Y | 0.004205 | 48 | 26.8 | 12 | 17.5 |
| 5F RF | UDCon20 | Combination | Max | X | 0.00406 | 31 | 15.8 | 19.6 | 17.5 |
| 5F RF | UDCon20 | Combination | Max | Y | 0.003843 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon20 | Combination | Min | X | 0.007276 | 40 | 3.75 | 5 | 17.5 |
| 5F RF | UDCon20 | Combination | Min | Y | 0.00472 | 48 | 26.8 | 12 | 17.5 |
| 4F RF | Dead | LinStatic | | X | 0.001985 | 40 | 3.75 | 5 | 14 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|-----|
| 4F RF | Dead | LinStatic | | Y | 0.002041 | 48 | 26.8 | 12 | 14 |
| 4F RF | Live | LinStatic | | X | 0.000223 | 40 | 3.75 | 5 | 14 |
| 4F RF | Live | LinStatic | | Y | 0.000201 | 48 | 26.8 | 12 | 14 |
| 4F RF | FF | LinStatic | | X | 0.001113 | 40 | 3.75 | 5 | 14 |
| 4F RF | FF | LinStatic | | Y | 0.001267 | 48 | 26.8 | 12 | 14 |
| 4F RF | PW | LinStatic | | X | 0.000985 | 40 | 3.75 | 5 | 14 |
| 4F RF | PW | LinStatic | | Y | 0.001146 | 48 | 26.8 | 12 | 14 |
| 4F RF | Earthquake+x | LinStatic | | X | 0.00375 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | Earthquake+y | LinStatic | | X | 0.00146 | 40 | 3.75 | 5 | 14 |
| 4F RF | Earthquake+y | LinStatic | | Y | 0.004338 | 45 | 26.8 | 14.8 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Max | X | 0.003061 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Max | Y | 0.000948 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Min | X | 0.003031 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-X Load Case | LinModHist | Min | Y | 0.000947 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Max | X | 0.003828 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Y | 0.00157 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Min | X | 0.003652 | 44 | 26.8 | 19.6 | 14 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Y | 0.00101 | 33 | 3.75 | 19.6 | 14 |
| 4F RF | UDCon11 | Combination | | X | 0.005513 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon11 | Combination | | Y | 0.006012 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon12 | Combination | | X | 0.005847 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon12 | Combination | | Y | 0.006314 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon13 | Combination | Max | X | 0.003297 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon13 | Combination | Max | Y | 0.004106 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon13 | Combination | Min | X | 0.006453 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon13 | Combination | Min | Y | 0.005174 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon14 | Combination | Max | X | 0.003263 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon14 | Combination | Max | Y | 0.003854 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon14 | Combination | Min | X | 0.006973 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon14 | Combination | Min | Y | 0.004921 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon15 | Combination | Max | X | 0.004064 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon15 | Combination | Max | Y | 0.004115 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon15 | Combination | Min | X | 0.007017 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon15 | Combination | Min | Y | 0.00505 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon16 | Combination | Max | X | 0.003882 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon16 | Combination | Max | Y | 0.003978 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon16 | Combination | Min | X | 0.007554 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon16 | Combination | Min | Y | 0.005561 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon17 | Combination | Max | X | 0.0033 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon17 | Combination | Max | Y | 0.004046 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon17 | Combination | Min | X | 0.006386 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon17 | Combination | Min | Y | 0.005113 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon18 | Combination | Max | X | 0.003266 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon18 | Combination | Max | Y | 0.003793 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon18 | Combination | Min | X | 0.006906 | 40 | 3.75 | 5 | 14 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 4F RF | UDCon18 | Combination | Min | Y | 0.004861 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon19 | Combination | Max | X | 0.004067 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon19 | Combination | Max | Y | 0.004073 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon19 | Combination | Min | X | 0.00695 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon19 | Combination | Min | Y | 0.004989 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon20 | Combination | Max | X | 0.003885 | 31 | 15.8 | 19.6 | 14 |
| 4F RF | UDCon20 | Combination | Max | Y | 0.003917 | 48 | 26.8 | 12 | 14 |
| 4F RF | UDCon20 | Combination | Min | X | 0.007487 | 40 | 3.75 | 5 | 14 |
| 4F RF | UDCon20 | Combination | Min | Y | 0.0055 | 48 | 26.8 | 12 | 14 |
| 3F RF | Dead | LinStatic | | X | 0.002314 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Dead | LinStatic | | Y | 0.00266 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | Live | LinStatic | | X | 0.00025 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Live | LinStatic | | Y | 0.000273 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | FF | LinStatic | | X | 0.001327 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | FF | LinStatic | | Y | 0.001648 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | PW | LinStatic | | X | 0.001183 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | PW | LinStatic | | Y | 0.001471 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | Earthquake+x | LinStatic | | X | 0.003637 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | Earthquake+y | LinStatic | | X | 0.001693 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | Earthquake+y | LinStatic | | Y | 0.004195 | 48 | 26.8 | 12 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Max | X | 0.002862 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Max | Y | 0.00084 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Min | X | 0.002863 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-X Load Case | LinModHist | Min | Y | 0.000839 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Max | X | 0.003732 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001382 | 38 | 3.75 | 14.8 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Min | X | 0.003478 | 6 | 20.5 | 19.6 | 10.5 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Y | 0.000886 | 39 | 3.75 | 10 | 10.5 |
| 3F RF | UDCon11 | Combination | | X | 0.006513 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon11 | Combination | | Y | 0.007801 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon12 | Combination | | X | 0.006888 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon12 | Combination | | Y | 0.00821 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon13 | Combination | Max | X | 0.003647 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon13 | Combination | Max | Y | 0.00542 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon13 | Combination | Min | X | 0.007042 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon13 | Combination | Min | Y | 0.006543 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon14 | Combination | Max | X | 0.003642 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon14 | Combination | Max | Y | 0.005177 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon14 | Combination | Min | X | 0.007397 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon14 | Combination | Min | Y | 0.0063 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon15 | Combination | Max | X | 0.004501 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon15 | Combination | Max | Y | 0.004826 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon15 | Combination | Min | X | 0.007501 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon15 | Combination | Min | Y | 0.006465 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon16 | Combination | Max | X | 0.004254 | 44 | 26.8 | 19.6 | 10.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|------|
| 3F RF | UDCon16 | Combination | Max | Y | 0.005255 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon16 | Combination | Min | X | 0.008036 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon16 | Combination | Min | Y | 0.006894 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon17 | Combination | Max | X | 0.003639 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon17 | Combination | Max | Y | 0.005339 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon17 | Combination | Min | X | 0.006967 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon17 | Combination | Min | Y | 0.006461 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon18 | Combination | Max | X | 0.003634 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon18 | Combination | Max | Y | 0.005096 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon18 | Combination | Min | X | 0.007322 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon18 | Combination | Min | Y | 0.006218 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon19 | Combination | Max | X | 0.004493 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon19 | Combination | Max | Y | 0.004744 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon19 | Combination | Min | X | 0.007426 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon19 | Combination | Min | Y | 0.006383 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon20 | Combination | Max | X | 0.004246 | 44 | 26.8 | 19.6 | 10.5 |
| 3F RF | UDCon20 | Combination | Max | Y | 0.005174 | 45 | 26.8 | 14.8 | 10.5 |
| 3F RF | UDCon20 | Combination | Min | X | 0.007961 | 50 | 22.6 | 5 | 10.5 |
| 3F RF | UDCon20 | Combination | Min | Y | 0.006813 | 45 | 26.8 | 14.8 | 10.5 |
| 2F RF | Dead | LinStatic | | X | 0.003201 | 43 | 26.8 | 5 | 7 |
| 2F RF | Dead | LinStatic | | Y | 0.003413 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | Live | LinStatic | | X | 0.000335 | 43 | 26.8 | 5 | 7 |
| 2F RF | Live | LinStatic | | Y | 0.000358 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | FF | LinStatic | | X | 0.001897 | 43 | 26.8 | 5 | 7 |
| 2F RF | FF | LinStatic | | Y | 0.002118 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | PW | LinStatic | | X | 0.0017 | 43 | 26.8 | 5 | 7 |
| 2F RF | PW | LinStatic | | Y | 0.001875 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | Earthquake+x | LinStatic | | X | 0.003694 | 44 | 26.8 | 19.6 | 7 |
| 2F RF | Earthquake+y | LinStatic | | X | 0.002206 | 43 | 26.8 | 5 | 7 |
| 2F RF | Earthquake+y | LinStatic | | Y | 0.004205 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Max | X | 0.002915 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Max | Y | 0.000647 | 40 | 3.75 | 5 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Min | X | 0.002846 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-X Load Case | LinModHist | Min | Y | 0.000811 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Max | X | 0.003806 | 44 | 26.8 | 19.6 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Y | 0.001182 | 43 | 26.8 | 5 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Min | X | 0.003466 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Y | 0.000811 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon11 | Combination | | X | 0.009177 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon11 | Combination | | Y | 0.009999 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon12 | Combination | | X | 0.00968 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon12 | Combination | | Y | 0.010537 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon13 | Combination | Max | Y | 0.007017 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon13 | Combination | Min | X | 0.008728 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon13 | Combination | Min | Y | 0.008242 | 45 | 26.8 | 14.8 | 7 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|----------------|-------------|-----------|-----------|----------|-------|------|------|-----|
| 2F RF | UDCon14 | Combination | Max | X | 0.005068 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon14 | Combination | Max | Y | 0.006787 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon14 | Combination | Min | X | 0.008889 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon14 | Combination | Min | Y | 0.008012 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon15 | Combination | Max | X | 0.005504 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon15 | Combination | Max | Y | 0.006478 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon15 | Combination | Min | X | 0.009066 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon15 | Combination | Min | Y | 0.008232 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon16 | Combination | Max | X | 0.005262 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon16 | Combination | Max | Y | 0.006796 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon16 | Combination | Min | X | 0.009509 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon16 | Combination | Min | Y | 0.008551 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon17 | Combination | Max | Y | 0.00691 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon17 | Combination | Min | X | 0.008628 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon17 | Combination | Min | Y | 0.008135 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon18 | Combination | Max | Y | 0.006679 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon18 | Combination | Min | X | 0.008788 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon18 | Combination | Min | Y | 0.007904 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon19 | Combination | Max | X | 0.005478 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon19 | Combination | Max | Y | 0.006371 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon19 | Combination | Min | X | 0.008966 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon19 | Combination | Min | Y | 0.008125 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon20 | Combination | Max | X | 0.005235 | 33 | 3.75 | 19.6 | 7 |
| 2F RF | UDCon20 | Combination | Max | Y | 0.006689 | 45 | 26.8 | 14.8 | 7 |
| 2F RF | UDCon20 | Combination | Min | X | 0.009408 | 43 | 26.8 | 5 | 7 |
| 2F RF | UDCon20 | Combination | Min | Y | 0.008443 | 45 | 26.8 | 14.8 | 7 |
| 1F RF | Dead | LinStatic | | X | 0.006391 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | Dead | LinStatic | | Y | 0.014168 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | Live | LinStatic | | Y | 0.001591 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | FF | LinStatic | | X | 0.00334 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | FF | LinStatic | | Y | 0.007606 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | PW | LinStatic | | X | 0.002791 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | PW | LinStatic | | Y | 0.006426 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | Earthquake+x | LinStatic | | X | 0.017115 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | Earthquake+x | LinStatic | | Y | 0.007802 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | Earthquake+y | LinStatic | | X | 0.003647 | 28 | 20.5 | 5 | 3.5 |
| 1F RF | Earthquake+y | LinStatic | | Y | 0.017288 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Max | X | 0.015603 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Max | Y | 0.009402 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Min | X | 0.015893 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-X Load Case | LinModHist | Min | Y | 0.014004 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Max | X | 0.02182 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Y | 0.021823 | 38 | 3.75 | 14.8 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Min | X | 0.015966 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Y | 0.013942 | 40 | 3.75 | 5 | 3.5 |

Table 3.7 - Story Drifts (continued)

| Story | Output Case | Case Type | Step Type | Direction | Drift | Label | X m | Y m | Z m |
|-------|-------------|-------------|-----------|-----------|----------|-------|------|------|-----|
| 1F RF | UDCon11 | Combination | | X | 0.016906 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | UDCon11 | Combination | | Y | 0.03807 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon12 | Combination | | X | 0.017979 | 32 | 11.4 | 19.6 | 3.5 |
| 1F RF | UDCon12 | Combination | | Y | 0.040457 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon13 | Combination | Max | X | 0.018291 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon13 | Combination | Max | Y | 0.028956 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon13 | Combination | Min | X | 0.014412 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon13 | Combination | Min | Y | 0.028331 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon14 | Combination | Max | X | 0.018574 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon14 | Combination | Max | Y | 0.029024 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon14 | Combination | Min | X | 0.015878 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon14 | Combination | Min | Y | 0.028399 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon15 | Combination | Max | X | 0.024479 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon15 | Combination | Max | Y | 0.029101 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon15 | Combination | Min | X | 0.014799 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon15 | Combination | Min | Y | 0.028287 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon16 | Combination | Max | X | 0.018653 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon16 | Combination | Max | Y | 0.029068 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon16 | Combination | Min | X | 0.01938 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | UDCon16 | Combination | Min | Y | 0.028253 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon17 | Combination | Max | X | 0.018247 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon17 | Combination | Max | Y | 0.028479 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon17 | Combination | Min | X | 0.014331 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon17 | Combination | Min | Y | 0.027853 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon18 | Combination | Max | X | 0.01853 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon18 | Combination | Max | Y | 0.028547 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon18 | Combination | Min | X | 0.015797 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon18 | Combination | Min | Y | 0.027921 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon19 | Combination | Max | X | 0.024435 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon19 | Combination | Max | Y | 0.028624 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon19 | Combination | Min | X | 0.014718 | 40 | 3.75 | 5 | 3.5 |
| 1F RF | UDCon19 | Combination | Min | Y | 0.02781 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon20 | Combination | Max | X | 0.018609 | 44 | 26.8 | 19.6 | 3.5 |
| 1F RF | UDCon20 | Combination | Max | Y | 0.02859 | 37 | 20.5 | 14.8 | 3.5 |
| 1F RF | UDCon20 | Combination | Min | X | 0.019419 | 33 | 3.75 | 19.6 | 3.5 |
| 1F RF | UDCon20 | Combination | Min | Y | 0.027776 | 37 | 20.5 | 14.8 | 3.5 |

Table 3.8 - Story Forces (Part 1 of 2)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|-------------|-----------|-----------|----------|-----------|------------|-----------|-----------|------------|
| 16 | Dead | LinStatic | | Top | 4138.4802 | -1.351E-06 | 1.079E-06 | 2.274E-05 | 51671.1436 |
| 16 | Dead | LinStatic | | Bottom | 5848.7799 | -1.351E-06 | 1.095E-06 | 2.307E-05 | 70927.5297 |
| 16 | Live | LinStatic | | Top | 633.08 | 0 | 0 | 4.081E-06 | 7910.046 |
| 16 | Live | LinStatic | | Bottom | 666.8944 | 0 | 0 | 4.093E-06 | 8145.8703 |
| 16 | FF | LinStatic | | Top | 2471.6802 | -5.652E-07 | 5.363E-07 | 8.979E-06 | 31126.7236 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|------------|------------|-----------|-------------|-------------|
| 16 | FF | LinStatic | | Bottom | 3646.7799 | -5.652E-07 | 5.486E-07 | 9.226E-06 | 44002.7097 |
| 16 | PW | LinStatic | | Top | 2005.1952 | 0 | 0 | 6.5E-06 | 25257.4816 |
| 16 | PW | LinStatic | | Bottom | 3175.6149 | 0 | 0 | 6.764E-06 | 38107.2597 |
| 16 | Earthquake+x | LinStatic | | Top | 0 | -420.9616 | 1.05E-06 | 5171.7265 | -5.982E-07 |
| 16 | Earthquake+x | LinStatic | | Bottom | 0 | -428.2425 | 1.046E-06 | 5215.0571 | -4.121E-06 |
| 16 | Earthquake+y | LinStatic | | Top | 0 | 0 | -420.9616 | -6458.7077 | 0 |
| 16 | Earthquake+y | LinStatic | | Bottom | 0 | 0 | -428.2425 | -6598.4519 | 1485.3791 |
| 16 | TH-X Load Case | LinModHist | Max | Top | 0 | 538.2988 | 124.8137 | 11374.8276 | 7.338E-07 |
| 16 | TH-X Load Case | LinModHist | Max | Bottom | 0 | 545.4781 | 126.5788 | 11481.8691 | 298.308 |
| 16 | TH-X Load Case | LinModHist | Min | Top | 0 | -738.2353 | -84.1484 | -8786.2539 | -8.941E-07 |
| 16 | TH-X Load Case | LinModHist | Min | Bottom | 0 | -748.7589 | -86.4445 | -8869.8141 | -439.7605 |
| 16 | TH-Y Load Case | LinModHist | Max | Top | 0 | 543.1658 | 158.6964 | 9118.5671 | 8.79E-07 |
| 16 | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 549.6743 | 161.6131 | 9181.6128 | 508.5602 |
| 16 | TH-Y Load Case | LinModHist | Min | Top | 0 | -789.026 | -144.4567 | -9203.9573 | -8.965E-07 |
| 16 | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -801.0833 | -146.2517 | -9287.7314 | -560.2501 |
| 16 | UDCon11 | Combination | | Top | 11630.7301 | -3.192E-06 | 2.736E-06 | 0.0001 | 145874.721 |
| 16 | UDCon11 | Combination | | Bottom | 17106.0858 | -3.192E-06 | 2.793E-06 | 0.0001 | 206600.6237 |
| 16 | UDCon12 | Combination | | Top | 12580.3501 | -3.54E-06 | 2.946E-06 | 0.0001 | 157739.79 |
| 16 | UDCon12 | Combination | | Bottom | 18106.4275 | -3.541E-06 | 3.003E-06 | 0.0001 | 218819.4292 |
| 16 | UDCon13 | Combination | Max | Top | 8805.2796 | 538.2988 | 124.8137 | 11374.8276 | 110428.3627 |
| 16 | UDCon13 | Combination | Max | Bottom | 12871.243 | 545.4781 | 126.5788 | 11481.8692 | 155779.5681 |
| 16 | UDCon13 | Combination | Min | Top | 8805.2796 | -738.2353 | -84.1484 | -8786.2539 | 110428.3627 |
| 16 | UDCon13 | Combination | Min | Bottom | 12871.243 | -748.7589 | -86.4445 | -8869.814 | 155041.4997 |
| 16 | UDCon14 | Combination | Max | Top | 8805.2796 | 738.2353 | 84.1484 | 8786.254 | 110428.3627 |
| 16 | UDCon14 | Combination | Max | Bottom | 12871.243 | 748.7589 | 86.4445 | 8869.8141 | 155921.0206 |
| 16 | UDCon14 | Combination | Min | Top | 8805.2796 | -538.2988 | -124.8137 | -11374.8275 | 110428.3627 |
| 16 | UDCon14 | Combination | Min | Bottom | 12871.243 | -545.4781 | -126.5788 | -11481.8691 | 155182.9522 |
| 16 | UDCon15 | Combination | Max | Top | 8805.2796 | 543.1658 | 158.6964 | 9118.5672 | 110428.3627 |
| 16 | UDCon15 | Combination | Max | Bottom | 12871.243 | 549.6743 | 161.6132 | 9181.6129 | 155989.8204 |
| 16 | UDCon15 | Combination | Min | Top | 8805.2796 | -789.026 | -144.4567 | -9203.9573 | 110428.3627 |
| 16 | UDCon15 | Combination | Min | Bottom | 12871.243 | -801.0833 | -146.2517 | -9287.7313 | 154921.0101 |
| 16 | UDCon16 | Combination | Max | Top | 8805.2796 | 789.026 | 144.4567 | 9203.9574 | 110428.3627 |
| 16 | UDCon16 | Combination | Max | Bottom | 12871.243 | 801.0833 | 146.2517 | 9287.7314 | 156041.5103 |
| 16 | UDCon16 | Combination | Min | Top | 8805.2796 | -543.1658 | -158.6964 | -9118.5671 | 110428.3627 |
| 16 | UDCon16 | Combination | Min | Bottom | 12871.243 | -549.6743 | -161.6131 | -9181.6128 | 154972.6999 |
| 16 | UDCon17 | Combination | Max | Top | 8615.3556 | 538.2988 | 124.8137 | 11374.8276 | 108055.3489 |
| 16 | UDCon17 | Combination | Max | Bottom | 12671.1747 | 545.4781 | 126.5788 | 11481.8692 | 153335.807 |
| 16 | UDCon17 | Combination | Min | Top | 8615.3556 | -738.2353 | -84.1484 | -8786.2539 | 108055.3489 |
| 16 | UDCon17 | Combination | Min | Bottom | 12671.1747 | -748.7589 | -86.4445 | -8869.814 | 152597.7386 |
| 16 | UDCon18 | Combination | Max | Top | 8615.3556 | 738.2353 | 84.1484 | 8786.254 | 108055.3489 |
| 16 | UDCon18 | Combination | Max | Bottom | 12671.1747 | 748.7589 | 86.4445 | 8869.8141 | 153477.2596 |
| 16 | UDCon18 | Combination | Min | Top | 8615.3556 | -538.2988 | -124.8137 | -11374.8275 | 108055.3489 |
| 16 | UDCon18 | Combination | Min | Bottom | 12671.1747 | -545.4781 | -126.5788 | -11481.8691 | 152739.1911 |
| 16 | UDCon19 | Combination | Max | Top | 8615.3556 | 543.1658 | 158.6964 | 9118.5672 | 108055.3489 |
| 16 | UDCon19 | Combination | Max | Bottom | 12671.1747 | 549.6743 | 161.6132 | 9181.6129 | 153546.0593 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|------------|------------|-----------|-------------|-------------|
| 16 | UDCon19 | Combination | Min | Top | 8615.3556 | -789.026 | -144.4567 | -9203.9573 | 108055.3489 |
| 16 | UDCon19 | Combination | Min | Bottom | 12671.1747 | -801.0833 | -146.2517 | -9287.7313 | 152477.249 |
| 16 | UDCon20 | Combination | Max | Top | 8615.3556 | 789.026 | 144.4567 | 9203.9574 | 108055.3489 |
| 16 | UDCon20 | Combination | Max | Bottom | 12671.1747 | 801.0833 | 146.2517 | 9287.7314 | 153597.7492 |
| 16 | UDCon20 | Combination | Min | Top | 8615.3556 | -543.1658 | -158.6964 | -9118.5671 | 108055.3489 |
| 16 | UDCon20 | Combination | Min | Bottom | 12671.1747 | -549.6743 | -161.6131 | -9181.6128 | 152528.9388 |
| 15 | Dead | LinStatic | | Top | 9987.2601 | -5.453E-06 | 2.836E-06 | 0.0001 | 122598.6733 |
| 15 | Dead | LinStatic | | Bottom | 11697.5598 | -5.453E-06 | 2.918E-06 | 0.0001 | 141855.0594 |
| 15 | Live | LinStatic | | Top | 1299.9744 | -8.337E-07 | 0 | 1.217E-05 | 16055.9163 |
| 15 | Live | LinStatic | | Bottom | 1333.7889 | -8.337E-07 | 0 | 1.227E-05 | 16291.7406 |
| 15 | FF | LinStatic | | Top | 6118.4601 | -2.504E-06 | 1.481E-06 | 3.492E-05 | 75129.4333 |
| 15 | FF | LinStatic | | Bottom | 7293.5598 | -2.504E-06 | 1.539E-06 | 3.604E-05 | 88005.4194 |
| 15 | PW | LinStatic | | Top | 5180.8101 | -2.069E-06 | 1.201E-06 | 2.806E-05 | 63364.7413 |
| 15 | PW | LinStatic | | Bottom | 6351.2298 | -2.068E-06 | 1.259E-06 | 2.921E-05 | 76214.5194 |
| 15 | Earthquake+x | LinStatic | | Top | 0 | -909.4135 | 2.399E-06 | 11030.4359 | -2.63E-06 |
| 15 | Earthquake+x | LinStatic | | Bottom | 0 | -916.2393 | 2.36E-06 | 11071.0584 | -1.089E-05 |
| 15 | Earthquake+y | LinStatic | | Top | 0 | 2.032E-06 | -909.4136 | -14109.99 | 1485.3791 |
| 15 | Earthquake+y | LinStatic | | Bottom | 0 | 2.034E-06 | -916.2394 | -14241.0002 | 4679.5892 |
| 15 | TH-X Load Case | LinModHist | Max | Top | 0 | 1091.6235 | 261.434 | 23385.7349 | 298.308 |
| 15 | TH-X Load Case | LinModHist | Max | Bottom | 0 | 1097.5379 | 263.0149 | 23476.4857 | 903.4395 |
| 15 | TH-X Load Case | LinModHist | Min | Top | 0 | -1518.6893 | -172.043 | -17826.6561 | -439.7605 |
| 15 | TH-X Load Case | LinModHist | Min | Bottom | 0 | -1527.6005 | -173.8497 | -17894.6329 | -1357.3881 |
| 15 | TH-Y Load Case | LinModHist | Max | Top | 0 | 1119.594 | 329.3163 | 18552.4105 | 508.5602 |
| 15 | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 1125.0908 | 331.7442 | 18605.7006 | 1580.3955 |
| 15 | TH-Y Load Case | LinModHist | Min | Top | 0 | -1611.6923 | -305.4648 | -18979.0764 | -560.2501 |
| 15 | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -1621.5405 | -307.1063 | -19048.954 | -1716.8631 |
| 15 | UDCon11 | Combination | | Top | 28736.8159 | -1.353E-05 | 7.45E-06 | 0.0002 | 352475.3448 |
| 15 | UDCon11 | Combination | | Bottom | 34212.1716 | -1.353E-05 | 7.716E-06 | 0.0002 | 413201.2475 |
| 15 | UDCon12 | Combination | | Top | 30686.7776 | -1.479E-05 | 7.962E-06 | 0.0002 | 376559.2192 |
| 15 | UDCon12 | Combination | | Bottom | 36212.855 | -1.478E-05 | 8.235E-06 | 0.0002 | 437638.8585 |
| 15 | UDCon13 | Combination | Max | Top | 21676.5226 | 1091.6235 | 261.434 | 23385.735 | 266207.9308 |
| 15 | UDCon13 | Combination | Max | Bottom | 25742.486 | 1097.5379 | 263.015 | 23476.4858 | 311865.9599 |
| 15 | UDCon13 | Combination | Min | Top | 21676.5226 | -1518.6893 | -172.043 | -17826.6559 | 265469.8624 |
| 15 | UDCon13 | Combination | Min | Bottom | 25742.486 | -1527.6005 | -173.8497 | -17894.6327 | 309605.1323 |
| 15 | UDCon14 | Combination | Max | Top | 21676.5226 | 1518.6893 | 172.043 | 17826.6562 | 266349.3833 |
| 15 | UDCon14 | Combination | Max | Bottom | 25742.486 | 1527.6005 | 173.8497 | 17894.633 | 312319.9085 |
| 15 | UDCon14 | Combination | Min | Top | 21676.5226 | -1091.6235 | -261.434 | -23385.7347 | 265611.3149 |
| 15 | UDCon14 | Combination | Min | Bottom | 25742.486 | -1097.538 | -263.0149 | -23476.4855 | 310059.0808 |
| 15 | UDCon15 | Combination | Max | Top | 21676.5226 | 1119.594 | 329.3163 | 18552.4107 | 266418.1831 |
| 15 | UDCon15 | Combination | Max | Bottom | 25742.486 | 1125.0908 | 331.7442 | 18605.7007 | 312542.9159 |
| 15 | UDCon15 | Combination | Min | Top | 21676.5226 | -1611.6923 | -305.4648 | -18979.0763 | 265349.3728 |
| 15 | UDCon15 | Combination | Min | Bottom | 25742.486 | -1621.5405 | -307.1063 | -19048.9538 | 309245.6573 |
| 15 | UDCon16 | Combination | Max | Top | 21676.5226 | 1611.6922 | 305.4648 | 18979.0766 | 266469.873 |
| 15 | UDCon16 | Combination | Max | Bottom | 25742.486 | 1621.5405 | 307.1063 | 19048.9541 | 312679.3834 |
| 15 | UDCon16 | Combination | Min | Top | 21676.5226 | -1119.594 | -329.3163 | -18552.4104 | 265401.0626 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|------------|------------|------------|-------------|-------------|
| 15 | UDCon16 | Combination | Min | Bottom | 25742.486 | -1125.0908 | -331.7442 | -18605.7004 | 309382.1248 |
| 15 | UDCon17 | Combination | Max | Top | 21286.5303 | 1091.6235 | 261.434 | 23385.735 | 261391.1559 |
| 15 | UDCon17 | Combination | Max | Bottom | 25342.3494 | 1097.5379 | 263.015 | 23476.4858 | 306978.4377 |
| 15 | UDCon17 | Combination | Min | Top | 21286.5303 | -1518.6893 | -172.043 | -17826.6559 | 260653.0875 |
| 15 | UDCon17 | Combination | Min | Bottom | 25342.3494 | -1527.6005 | -173.8497 | -17894.6327 | 304717.6101 |
| 15 | UDCon18 | Combination | Max | Top | 21286.5303 | 1518.6893 | 172.043 | 17826.6562 | 261532.6084 |
| 15 | UDCon18 | Combination | Max | Bottom | 25342.3494 | 1527.6005 | 173.8497 | 17894.633 | 307432.3863 |
| 15 | UDCon18 | Combination | Min | Top | 21286.5303 | -1091.6235 | -261.434 | -23385.7347 | 260794.54 |
| 15 | UDCon18 | Combination | Min | Bottom | 25342.3494 | -1097.538 | -263.0149 | -23476.4855 | 305171.5586 |
| 15 | UDCon19 | Combination | Max | Top | 21286.5303 | 1119.594 | 329.3163 | 18552.4107 | 261601.4082 |
| 15 | UDCon19 | Combination | Max | Bottom | 25342.3494 | 1125.0908 | 331.7442 | 18605.7007 | 307655.3937 |
| 15 | UDCon19 | Combination | Min | Top | 21286.5303 | -1611.6923 | -305.4648 | -18979.0763 | 260532.5979 |
| 15 | UDCon19 | Combination | Min | Bottom | 25342.3494 | -1621.5405 | -307.1063 | -19048.9538 | 304358.1351 |
| 15 | UDCon20 | Combination | Max | Top | 21286.5303 | 1611.6922 | 305.4648 | 18979.0766 | 261653.0981 |
| 15 | UDCon20 | Combination | Max | Bottom | 25342.3494 | 1621.5405 | 307.1063 | 19048.9541 | 307791.8613 |
| 15 | UDCon20 | Combination | Min | Top | 21286.5303 | -1119.594 | -329.3163 | -18552.4104 | 260584.2877 |
| 15 | UDCon20 | Combination | Min | Bottom | 25342.3494 | -1125.0908 | -331.7442 | -18605.7004 | 304494.6026 |
| 14 | Dead | LinStatic | | Top | 15836.04 | -1.132E-06 | 2.446E-06 | 1.966E-05 | 193526.203 |
| 14 | Dead | LinStatic | | Bottom | 17546.3397 | -1.133E-06 | 2.571E-06 | 2.21E-05 | 212782.5891 |
| 14 | Live | LinStatic | | Top | 1966.8689 | 0 | 0 | 2.892E-06 | 24201.7866 |
| 14 | Live | LinStatic | | Bottom | 2000.6833 | 0 | 0 | 3.128E-06 | 24437.611 |
| 14 | FF | LinStatic | | Top | 9765.24 | -5.548E-07 | 1.291E-06 | 9.487E-06 | 119132.143 |
| 14 | FF | LinStatic | | Bottom | 10940.3397 | -5.554E-07 | 1.369E-06 | 1.099E-05 | 132008.1291 |
| 14 | PW | LinStatic | | Top | 8356.425 | 0 | 1.058E-06 | 7.447E-06 | 101472.001 |
| 14 | PW | LinStatic | | Bottom | 9526.8447 | 0 | 1.131E-06 | 8.845E-06 | 114321.7791 |
| 14 | Earthquake+x | LinStatic | | Top | 0 | -1365.3324 | 1.874E-06 | 16893.9478 | -1.096E-05 |
| 14 | Earthquake+x | LinStatic | | Bottom | 0 | -1371.7031 | 1.833E-06 | 16931.8621 | -1.745E-05 |
| 14 | Earthquake+y | LinStatic | | Top | 0 | 0 | -1365.3323 | -21787.3124 | 4679.5891 |
| 14 | Earthquake+y | LinStatic | | Bottom | -9.452E-07 | 0 | -1371.7031 | -21909.5886 | 9468.7641 |
| 14 | TH-X Load Case | LinModHist | Max | Top | 0 | 1532.8727 | 381.4984 | 33345.5824 | 903.4395 |
| 14 | TH-X Load Case | LinModHist | Max | Bottom | 0 | 1537.4949 | 382.8835 | 33420.0687 | 1762.4543 |
| 14 | TH-X Load Case | LinModHist | Min | Top | 0 | -2164.8169 | -246.9773 | -24995.2698 | -1357.3881 |
| 14 | TH-X Load Case | LinModHist | Min | Bottom | 0 | -2172.0548 | -247.8605 | -25047.883 | -2694.9178 |
| 14 | TH-Y Load Case | LinModHist | Max | Top | 0 | 1620.7251 | 470.5642 | 26333.1163 | 1580.3955 |
| 14 | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 1625.4625 | 472.4809 | 26377.1863 | 3163.4594 |
| 14 | TH-Y Load Case | LinModHist | Min | Top | 0 | -2275.4587 | -451.6147 | -27018.2132 | -1716.8631 |
| 14 | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -2283.0411 | -453.0768 | -27074.2021 | -3367.0004 |
| 14 | UDCon11 | Combination | | Top | 45842.9017 | -2.895E-06 | 6.474E-06 | 4.94E-05 | 559075.9685 |
| 14 | UDCon11 | Combination | | Bottom | 51318.2575 | -2.898E-06 | 6.845E-06 | 0.0001 | 619801.8713 |
| 14 | UDCon12 | Combination | | Top | 48793.2051 | -3.144E-06 | 6.909E-06 | 0.0001 | 595378.6485 |
| 14 | UDCon12 | Combination | | Bottom | 54319.2825 | -3.147E-06 | 7.298E-06 | 0.0001 | 656458.2877 |
| 14 | UDCon13 | Combination | Max | Top | 34547.7656 | 1532.8727 | 381.4984 | 33345.5824 | 422294.3225 |
| 14 | UDCon13 | Combination | Max | Bottom | 38613.7291 | 1537.4949 | 382.8835 | 33420.0688 | 468206.2348 |
| 14 | UDCon13 | Combination | Min | Top | 34547.7656 | -2164.8169 | -246.9773 | -24995.2698 | 420033.4949 |
| 14 | UDCon13 | Combination | Min | Bottom | 38613.7291 | -2172.0548 | -247.8604 | -25047.8829 | 463748.8628 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|------------|------------|------------|-------------|-------------|
| 14 | UDCon14 | Combination | Max | Top | 34547.7656 | 2164.8169 | 246.9773 | 24995.2699 | 422748.2711 |
| 14 | UDCon14 | Combination | Max | Bottom | 38613.7291 | 2172.0548 | 247.8605 | 25047.883 | 469138.6983 |
| 14 | UDCon14 | Combination | Min | Top | 34547.7656 | -1532.8727 | -381.4983 | -33345.5823 | 420487.4435 |
| 14 | UDCon14 | Combination | Min | Bottom | 38613.7291 | -1537.4949 | -382.8835 | -33420.0687 | 464681.3263 |
| 14 | UDCon15 | Combination | Max | Top | 34547.7656 | 1620.7251 | 470.5642 | 26333.1163 | 422971.2786 |
| 14 | UDCon15 | Combination | Max | Bottom | 38613.7291 | 1625.4625 | 472.4809 | 26377.1864 | 469607.24 |
| 14 | UDCon15 | Combination | Min | Top | 34547.7656 | -2275.4587 | -451.6147 | -27018.2132 | 419674.0199 |
| 14 | UDCon15 | Combination | Min | Bottom | 38613.7291 | -2283.0411 | -453.0768 | -27074.202 | 463076.7801 |
| 14 | UDCon16 | Combination | Max | Top | 34547.7656 | 2275.4587 | 451.6147 | 27018.2133 | 423107.7461 |
| 14 | UDCon16 | Combination | Max | Bottom | 38613.7291 | 2283.0411 | 453.0768 | 27074.2021 | 469810.7809 |
| 14 | UDCon16 | Combination | Min | Top | 34547.7656 | -1620.7251 | -470.5642 | -26333.1163 | 419810.4875 |
| 14 | UDCon16 | Combination | Min | Bottom | 38613.7291 | -1625.4625 | -472.4809 | -26377.1863 | 463280.3211 |
| 14 | UDCon17 | Combination | Max | Top | 33957.705 | 1532.8727 | 381.4984 | 33345.5824 | 415033.7866 |
| 14 | UDCon17 | Combination | Max | Bottom | 38013.5241 | 1537.4949 | 382.8835 | 33420.0688 | 460874.9515 |
| 14 | UDCon17 | Combination | Min | Top | 33957.705 | -2164.8169 | -246.9773 | -24995.2698 | 412772.9589 |
| 14 | UDCon17 | Combination | Min | Bottom | 38013.5241 | -2172.0548 | -247.8604 | -25047.8829 | 456417.5795 |
| 14 | UDCon18 | Combination | Max | Top | 33957.705 | 2164.8169 | 246.9773 | 24995.2699 | 415487.7351 |
| 14 | UDCon18 | Combination | Max | Bottom | 38013.5241 | 2172.0548 | 247.8605 | 25047.883 | 461807.415 |
| 14 | UDCon18 | Combination | Min | Top | 33957.705 | -1532.8727 | -381.4983 | -33345.5823 | 413226.9075 |
| 14 | UDCon18 | Combination | Min | Bottom | 38013.5241 | -1537.4949 | -382.8835 | -33420.0687 | 457350.043 |
| 14 | UDCon19 | Combination | Max | Top | 33957.705 | 1620.7251 | 470.5642 | 26333.1163 | 415710.7426 |
| 14 | UDCon19 | Combination | Max | Bottom | 38013.5241 | 1625.4625 | 472.4809 | 26377.1864 | 462275.9567 |
| 14 | UDCon19 | Combination | Min | Top | 33957.705 | -2275.4587 | -451.6147 | -27018.2132 | 412413.4839 |
| 14 | UDCon19 | Combination | Min | Bottom | 38013.5241 | -2283.0411 | -453.0768 | -27074.202 | 455745.4968 |
| 14 | UDCon20 | Combination | Max | Top | 33957.705 | 2275.4587 | 451.6147 | 27018.2133 | 415847.2101 |
| 14 | UDCon20 | Combination | Max | Bottom | 38013.5241 | 2283.0411 | 453.0768 | 27074.2021 | 462479.4976 |
| 14 | UDCon20 | Combination | Min | Top | 33957.705 | -1620.7251 | -470.5642 | -26333.1163 | 412549.9515 |
| 14 | UDCon20 | Combination | Min | Bottom | 38013.5241 | -1625.4625 | -472.4809 | -26377.1863 | 455949.0378 |
| 13 | Dead | LinStatic | | Top | 21684.8199 | 4.5E-06 | 2.781E-06 | -0.0001 | 264453.7327 |
| 13 | Dead | LinStatic | | Bottom | 23395.1196 | 4.5E-06 | 2.75E-06 | -0.0001 | 283710.1188 |
| 13 | Live | LinStatic | | Top | 2633.7633 | 6.649E-07 | 0 | -7.975E-06 | 32347.657 |
| 13 | Live | LinStatic | | Bottom | 2667.5778 | 6.648E-07 | 0 | -8.063E-06 | 32583.4813 |
| 13 | FF | LinStatic | | Top | 13412.0199 | 2.062E-06 | 1.474E-06 | -2.349E-05 | 163134.8527 |
| 13 | FF | LinStatic | | Bottom | 14587.1196 | 2.061E-06 | 1.458E-06 | -2.384E-05 | 176010.8388 |
| 13 | PW | LinStatic | | Top | 11532.0399 | 1.736E-06 | 1.213E-06 | -2.008E-05 | 139579.2607 |
| 13 | PW | LinStatic | | Bottom | 12702.4596 | 1.735E-06 | 1.2E-06 | -2.037E-05 | 152429.0388 |
| 13 | Earthquake+x | LinStatic | | Top | 0 | -1788.7181 | 2.093E-06 | 22338.8309 | -1.624E-05 |
| 13 | Earthquake+x | LinStatic | | Bottom | 0 | -1794.6338 | 2.092E-06 | 22374.0371 | -2.341E-05 |
| 13 | Earthquake+y | LinStatic | | Top | -1.002E-06 | -2.328E-06 | -1788.718 | -28916.8785 | 9468.7641 |
| 13 | Earthquake+y | LinStatic | | Bottom | -7.333E-07 | -2.326E-06 | -1794.6337 | -29030.4207 | 15739.0381 |
| 13 | TH-X Load Case | LinModHist | Max | Top | 0 | 1863.5204 | 484.8889 | 41225.8888 | 1762.4543 |
| 13 | TH-X Load Case | LinModHist | Max | Bottom | 0 | 1866.913 | 486.0818 | 41284.0232 | 2842.2819 |
| 13 | TH-X Load Case | LinModHist | Min | Top | 0 | -2674.403 | -308.2115 | -30310.7448 | -2694.9178 |
| 13 | TH-X Load Case | LinModHist | Min | Bottom | 0 | -2679.9669 | -308.8705 | -30348.3027 | -4393.9971 |
| 13 | TH-Y Load Case | LinModHist | Max | Top | 0 | 2041.146 | 582.5161 | 32461.3592 | 3163.4594 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|--------|----------------|-------------|-----------|----------|------------|------------|-----------|-------------|-------------|
| 13 | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 2045.1381 | 583.9334 | 32496.3112 | 5206.3726 |
| 13 | TH-Y Load Case | LinModHist | Min | Top | 0 | -2779.6821 | -583.0817 | -33317.9675 | -3367.0004 |
| 13 | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -2785.0361 | -584.3709 | -33360.1827 | -5408.1454 |
| 13 | UDCon11 | Combination | | Top | 62948.9876 | 1.12E-05 | 7.381E-06 | -0.0001 | 765676.5922 |
| 13 | UDCon11 | Combination | | Bottom | 68424.3433 | 1.12E-05 | 7.301E-06 | -0.0001 | 826402.495 |
| 13 | UDCon12 | Combination | | Top | 66899.6325 | 1.22E-05 | 7.874E-06 | -0.0001 | 814198.0777 |
| 13 | UDCon12 | Combination | | Bottom | 72425.71 | 1.22E-05 | 7.787E-06 | -0.0001 | 875277.7169 |
| 13 | UDCon13 | Combination | Max | Top | 47419.0087 | 1863.5204 | 484.8889 | 41225.8887 | 578634.5975 |
| 13 | UDCon13 | Combination | Max | Bottom | 51484.9721 | 1866.913 | 486.0818 | 41284.0231 | 624767.3226 |
| 13 | UDCon13 | Combination | Min | Top | 47419.0087 | -2674.403 | -308.2115 | -30310.7449 | 574177.2254 |
| 13 | UDCon13 | Combination | Min | Bottom | 51484.9721 | -2679.9669 | -308.8705 | -30348.3028 | 617531.0436 |
| 13 | UDCon14 | Combination | Max | Top | 47419.0087 | 2674.4031 | 308.2115 | 30310.7447 | 579567.061 |
| 13 | UDCon14 | Combination | Max | Bottom | 51484.9721 | 2679.9669 | 308.8705 | 30348.3026 | 626319.0378 |
| 13 | UDCon14 | Combination | Min | Top | 47419.0087 | -1863.5204 | -484.8889 | -41225.8889 | 575109.6889 |
| 13 | UDCon14 | Combination | Min | Bottom | 51484.9721 | -1866.913 | -486.0818 | -41284.0233 | 619082.7588 |
| 13 | UDCon15 | Combination | Max | Top | 47419.0087 | 2041.146 | 582.5161 | 32461.3591 | 580035.6026 |
| 13 | UDCon15 | Combination | Max | Bottom | 51484.9721 | 2045.1381 | 583.9334 | 32496.3111 | 627131.4133 |
| 13 | UDCon15 | Combination | Min | Top | 47419.0087 | -2779.6821 | -583.0817 | -33317.9676 | 573505.1428 |
| 13 | UDCon15 | Combination | Min | Bottom | 51484.9721 | -2785.0361 | -584.3709 | -33360.1828 | 616516.8953 |
| 13 | UDCon16 | Combination | Max | Top | 47419.0087 | 2779.6821 | 583.0818 | 33317.9674 | 580239.1436 |
| 13 | UDCon16 | Combination | Max | Bottom | 51484.9721 | 2785.0361 | 584.3709 | 33360.1826 | 627333.186 |
| 13 | UDCon16 | Combination | Min | Top | 47419.0087 | -2041.146 | -582.5161 | -32461.3593 | 573708.6838 |
| 13 | UDCon16 | Combination | Min | Bottom | 51484.9721 | -2045.1381 | -583.9334 | -32496.3113 | 616718.6681 |
| 13 | UDCon17 | Combination | Max | Top | 46628.8797 | 1863.5204 | 484.8889 | 41225.8887 | 568930.3004 |
| 13 | UDCon17 | Combination | Max | Bottom | 50684.6987 | 1866.913 | 486.0818 | 41284.0231 | 614992.2782 |
| 13 | UDCon17 | Combination | Min | Top | 46628.8797 | -2674.403 | -308.2115 | -30310.7449 | 564472.9283 |
| 13 | UDCon17 | Combination | Min | Bottom | 50684.6987 | -2679.9669 | -308.8705 | -30348.3028 | 607755.9992 |
| 13 | UDCon18 | Combination | Max | Top | 46628.8797 | 2674.4031 | 308.2115 | 30310.7447 | 569862.7639 |
| 13 | UDCon18 | Combination | Max | Bottom | 50684.6987 | 2679.9669 | 308.8705 | 30348.3026 | 616543.9934 |
| 13 | UDCon18 | Combination | Min | Top | 46628.8797 | -1863.5204 | -484.8889 | -41225.8889 | 565405.3918 |
| 13 | UDCon18 | Combination | Min | Bottom | 50684.6987 | -1866.913 | -486.0818 | -41284.0233 | 609307.7144 |
| 13 | UDCon19 | Combination | Max | Top | 46628.8797 | 2041.146 | 582.5161 | 32461.3591 | 570331.3055 |
| 13 | UDCon19 | Combination | Max | Bottom | 50684.6987 | 2045.1381 | 583.9334 | 32496.3111 | 617356.3689 |
| 13 | UDCon19 | Combination | Min | Top | 46628.8797 | -2779.6821 | -583.0817 | -33317.9676 | 563800.8457 |
| 13 | UDCon19 | Combination | Min | Bottom | 50684.6987 | -2785.0361 | -584.3709 | -33360.1828 | 606741.851 |
| 13 | UDCon20 | Combination | Max | Top | 46628.8797 | 2779.6821 | 583.0818 | 33317.9674 | 570534.8465 |
| 13 | UDCon20 | Combination | Max | Bottom | 50684.6987 | 2785.0361 | 584.3709 | 33360.1826 | 617558.1417 |
| 13 | UDCon20 | Combination | Min | Top | 46628.8797 | -2041.146 | -582.5161 | -32461.3593 | 564004.3867 |
| 13 | UDCon20 | Combination | Min | Bottom | 50684.6987 | -2045.1381 | -583.9334 | -32496.3113 | 606943.6237 |
| 12F RF | Dead | LinStatic | | Top | 27533.5998 | 4.817E-06 | 2.118E-06 | -0.0001 | 335381.2624 |
| 12F RF | Dead | LinStatic | | Bottom | 29243.8995 | 4.812E-06 | 2.205E-06 | -0.0001 | 354637.6485 |
| 12F RF | Live | LinStatic | | Top | 3300.6578 | 7.045E-07 | 0 | -9.617E-06 | 40493.5273 |
| 12F RF | Live | LinStatic | | Bottom | 3334.4722 | 7.04E-07 | 0 | -9.461E-06 | 40729.3516 |
| 12F RF | FF | LinStatic | | Top | 17058.7998 | 2.226E-06 | 1.151E-06 | -3.051E-05 | 207137.5624 |
| 12F RF | FF | LinStatic | | Bottom | 18233.8995 | 2.224E-06 | 1.205E-06 | -2.945E-05 | 220013.5485 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|--------|----------------|-------------|-----------|----------|------------|------------|------------|-------------|--------------|
| 12F RF | PW | LinStatic | | Top | 14707.6548 | 1.878E-06 | 9.692E-07 | -2.584E-05 | 177686.5204 |
| 12F RF | PW | LinStatic | | Bottom | 15878.0745 | 1.876E-06 | 1.02E-06 | -2.485E-05 | 190536.2985 |
| 12F RF | Earthquake+x | LinStatic | | Top | 0 | -2179.5706 | 1.201E-06 | 27365.0848 | -2.209E-05 |
| 12F RF | Earthquake+x | LinStatic | | Bottom | 0 | -2185.0313 | 1.179E-06 | 27397.5827 | -2.621E-05 |
| 12F RF | Earthquake+y | LinStatic | | Top | -9.14E-07 | -2.492E-06 | -2179.5706 | -35498.6883 | 15739.0381 |
| 12F RF | Earthquake+y | LinStatic | | Bottom | -1.06E-06 | -2.487E-06 | -2185.0312 | -35603.4965 | 23376.5451 |
| 12F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 2113.3077 | 571.7303 | 47052.1739 | 2842.2819 |
| 12F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 2117.0548 | 572.7352 | 47094.2818 | 4088.4489 |
| 12F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3049.2414 | -355.8445 | -33879.7216 | -4393.9971 |
| 12F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3053.1884 | -356.2756 | -33903.1938 | -6396.7112 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Top | 0 | 2382.7165 | 666.32 | 37013.5868 | 5206.3726 |
| 12F RF | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 2386.0133 | 667.2657 | 37040.0257 | 7660.6457 |
| 12F RF | TH-Y Load Case | LinModHist | Min | Top | 0 | -3130.4686 | -700.6895 | -38146.4716 | -5408.1454 |
| 12F RF | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -3133.7326 | -701.8166 | -38176.5708 | -7741.8257 |
| 12F RF | UDCon11 | Combination | | Top | 80055.0734 | 1.204E-05 | 5.723E-06 | -0.0002 | 972277.216 |
| 12F RF | UDCon11 | Combination | | Bottom | 85530.4291 | 1.203E-05 | 5.982E-06 | -0.0002 | 1033003.1187 |
| 12F RF | UDCon12 | Combination | | Top | 85006.06 | 1.31E-05 | 6.085E-06 | -0.0002 | 1033017.5069 |
| 12F RF | UDCon12 | Combination | | Bottom | 90532.1374 | 1.309E-05 | 6.356E-06 | -0.0002 | 1094097.1461 |
| 12F RF | UDCon13 | Combination | Max | Top | 60290.2517 | 2113.3077 | 571.7303 | 47052.1738 | 735195.6852 |
| 12F RF | UDCon13 | Combination | Max | Bottom | 64356.2151 | 2117.0548 | 572.7352 | 47094.2817 | 781494.7498 |
| 12F RF | UDCon13 | Combination | Min | Top | 60290.2517 | -3049.2414 | -355.8445 | -33879.7217 | 727959.4062 |
| 12F RF | UDCon13 | Combination | Min | Bottom | 64356.2151 | -3053.1884 | -356.2756 | -33903.1939 | 771009.5896 |
| 12F RF | UDCon14 | Combination | Max | Top | 60290.2517 | 3049.2414 | 355.8445 | 33879.7215 | 736747.4004 |
| 12F RF | UDCon14 | Combination | Max | Bottom | 64356.2151 | 3053.1885 | 356.2756 | 33903.1937 | 783803.0121 |
| 12F RF | UDCon14 | Combination | Min | Top | 60290.2517 | -2113.3077 | -571.7303 | -47052.174 | 729511.1214 |
| 12F RF | UDCon14 | Combination | Min | Bottom | 64356.2151 | -2117.0547 | -572.7352 | -47094.2819 | 773317.8519 |
| 12F RF | UDCon15 | Combination | Max | Top | 60290.2517 | 2382.7165 | 666.32 | 37013.5867 | 737559.7759 |
| 12F RF | UDCon15 | Combination | Max | Bottom | 64356.2151 | 2386.0133 | 667.2657 | 37040.0256 | 785066.9465 |
| 12F RF | UDCon15 | Combination | Min | Top | 60290.2517 | -3130.4686 | -700.6895 | -38146.4718 | 726945.258 |
| 12F RF | UDCon15 | Combination | Min | Bottom | 64356.2151 | -3133.7326 | -701.8166 | -38176.5709 | 769664.4752 |
| 12F RF | UDCon16 | Combination | Max | Top | 60290.2517 | 3130.4687 | 700.6895 | 38146.4715 | 737761.5487 |
| 12F RF | UDCon16 | Combination | Max | Bottom | 64356.2151 | 3133.7326 | 701.8166 | 38176.5707 | 785148.1265 |
| 12F RF | UDCon16 | Combination | Min | Top | 60290.2517 | -2382.7165 | -666.32 | -37013.5869 | 727147.0307 |
| 12F RF | UDCon16 | Combination | Min | Bottom | 64356.2151 | -2386.0133 | -667.2657 | -37040.0258 | 769745.6552 |
| 12F RF | UDCon17 | Combination | Max | Top | 59300.0544 | 2113.3077 | 571.7303 | 47052.1738 | 723047.6271 |
| 12F RF | UDCon17 | Combination | Max | Bottom | 63355.8734 | 2117.0548 | 572.7352 | 47094.2817 | 769275.9443 |
| 12F RF | UDCon17 | Combination | Min | Top | 59300.0543 | -3049.2414 | -355.8445 | -33879.7217 | 715811.3481 |
| 12F RF | UDCon17 | Combination | Min | Bottom | 63355.8734 | -3053.1884 | -356.2756 | -33903.1939 | 758790.7841 |
| 12F RF | UDCon18 | Combination | Max | Top | 59300.0544 | 3049.2414 | 355.8445 | 33879.7215 | 724599.3423 |
| 12F RF | UDCon18 | Combination | Max | Bottom | 63355.8734 | 3053.1885 | 356.2756 | 33903.1937 | 771584.2066 |
| 12F RF | UDCon18 | Combination | Min | Top | 59300.0543 | -2113.3077 | -571.7303 | -47052.174 | 717363.0633 |
| 12F RF | UDCon18 | Combination | Min | Bottom | 63355.8734 | -2117.0547 | -572.7352 | -47094.2819 | 761099.0464 |
| 12F RF | UDCon19 | Combination | Max | Top | 59300.0544 | 2382.7165 | 666.32 | 37013.5867 | 725411.7178 |
| 12F RF | UDCon19 | Combination | Max | Bottom | 63355.8734 | 2386.0133 | 667.2657 | 37040.0256 | 772848.141 |
| 12F RF | UDCon19 | Combination | Min | Top | 59300.0543 | -3130.4686 | -700.6895 | -38146.4718 | 714797.1998 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|--------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 12F RF | UDCon19 | Combination | Min | Bottom | 63355.8734 | -3133.7326 | -701.8166 | -38176.5709 | 757445.6697 |
| 12F RF | UDCon20 | Combination | Max | Top | 59300.0544 | 3130.4686 | 700.6895 | 38146.4715 | 725613.4905 |
| 12F RF | UDCon20 | Combination | Max | Bottom | 63355.8734 | 3133.7326 | 701.8166 | 38176.5707 | 772929.321 |
| 12F RF | UDCon20 | Combination | Min | Top | 59300.0543 | -2382.7165 | -666.32 | -37013.5869 | 714998.9726 |
| 12F RF | UDCon20 | Combination | Min | Bottom | 63355.8734 | -2386.0133 | -667.2657 | -37040.0258 | 757526.8497 |
| 11F RF | Dead | LinStatic | | Top | 33382.3797 | 5.893E-06 | 1.92E-06 | -0.0001 | 406308.7921 |
| 11F RF | Dead | LinStatic | | Bottom | 35092.6794 | 5.89E-06 | 1.971E-06 | -0.0001 | 425565.1782 |
| 11F RF | Live | LinStatic | | Top | 3967.5522 | 8.467E-07 | 0 | -1.196E-05 | 48639.3976 |
| 11F RF | Live | LinStatic | | Bottom | 4001.3667 | 8.464E-07 | 0 | -1.187E-05 | 48875.2219 |
| 11F RF | FF | LinStatic | | Top | 20705.5797 | 2.762E-06 | 1.043E-06 | -4.047E-05 | 251140.2721 |
| 11F RF | FF | LinStatic | | Bottom | 21880.6794 | 2.76E-06 | 1.076E-06 | -3.986E-05 | 264016.2582 |
| 11F RF | PW | LinStatic | | Top | 17883.2697 | 2.339E-06 | 8.797E-07 | -3.448E-05 | 215793.7801 |
| 11F RF | PW | LinStatic | | Bottom | 19053.6894 | 2.338E-06 | 9.097E-07 | -3.391E-05 | 228643.5581 |
| 11F RF | Earthquake+x | LinStatic | | Top | 0 | -2537.89 | 1.007E-06 | 31972.7099 | -2.628E-05 |
| 11F RF | Earthquake+x | LinStatic | | Bottom | 0 | -2542.8956 | 9.937E-07 | 32002.4996 | -2.972E-05 |
| 11F RF | Earthquake+y | LinStatic | | Top | -1.196E-06 | -3.078E-06 | -2537.89 | -41532.7418 | 23376.5451 |
| 11F RF | Earthquake+y | LinStatic | | Bottom | -1.252E-06 | -3.075E-06 | -2542.8956 | -41628.816 | 32267.4193 |
| 11F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 2412.2165 | 642.4104 | 50917.0192 | 4088.4489 |
| 11F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 2415.3888 | 643.2326 | 50943.9188 | 5454.6344 |
| 11F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3296.0963 | -390.244 | -37035.1083 | -6396.7112 |
| 11F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3298.5474 | -390.4449 | -37058.2105 | -8646.5043 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Top | 0 | 2650.4615 | 727.1736 | 40153.4916 | 7660.6457 |
| 11F RF | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 2653.1503 | 728.1382 | 40172.5297 | 10482.8505 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Top | 0 | -3341.6643 | -805.8824 | -42004.7494 | -7741.8257 |
| 11F RF | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -3343.0781 | -806.862 | -42025.2106 | -10277.4571 |
| 11F RF | UDCon11 | Combination | | Top | 97161.1592 | 1.484E-05 | 5.188E-06 | -0.0002 | 1178877.8397 |
| 11F RF | UDCon11 | Combination | | Bottom | 102636.5149 | 1.483E-05 | 5.341E-06 | -0.0002 | 1239603.7425 |
| 11F RF | UDCon12 | Combination | | Top | 103112.4875 | 1.611E-05 | 5.516E-06 | -0.0002 | 1251836.9361 |
| 11F RF | UDCon12 | Combination | | Bottom | 108638.5649 | 1.61E-05 | 5.676E-06 | -0.0002 | 1312916.5754 |
| 11F RF | UDCon13 | Combination | Max | Top | 73161.4947 | 2412.2165 | 642.4104 | 50917.0191 | 891923.1125 |
| 11F RF | UDCon13 | Combination | Max | Bottom | 77227.4581 | 2415.3888 | 643.2326 | 50943.9186 | 938342.1954 |
| 11F RF | UDCon13 | Combination | Min | Top | 73161.4947 | -3296.0963 | -390.244 | -37035.1085 | 881437.9523 |
| 11F RF | UDCon13 | Combination | Min | Bottom | 77227.4581 | -3298.5474 | -390.4449 | -37058.2107 | 924241.0568 |
| 11F RF | UDCon14 | Combination | Max | Top | 73161.4947 | 3296.0963 | 390.244 | 37035.1081 | 894231.3748 |
| 11F RF | UDCon14 | Combination | Max | Bottom | 77227.4581 | 3298.5474 | 390.4449 | 37058.2104 | 941534.0653 |
| 11F RF | UDCon14 | Combination | Min | Top | 73161.4947 | -2412.2165 | -642.4104 | -50917.0194 | 883746.2146 |
| 11F RF | UDCon14 | Combination | Min | Bottom | 77227.4581 | -2415.3888 | -643.2326 | -50943.9189 | 927432.9266 |
| 11F RF | UDCon15 | Combination | Max | Top | 73161.4947 | 2650.4615 | 727.1736 | 40153.4914 | 895495.3092 |
| 11F RF | UDCon15 | Combination | Max | Bottom | 77227.4581 | 2653.1503 | 728.1382 | 40172.5296 | 943370.4115 |
| 11F RF | UDCon15 | Combination | Min | Top | 73161.4947 | -3341.6643 | -805.8824 | -42004.7496 | 880092.8379 |
| 11F RF | UDCon15 | Combination | Min | Bottom | 77227.4581 | -3343.0781 | -806.862 | -42025.2107 | 922610.1039 |
| 11F RF | UDCon16 | Combination | Max | Top | 73161.4947 | 3341.6643 | 805.8824 | 42004.7492 | 895576.4892 |
| 11F RF | UDCon16 | Combination | Max | Bottom | 77227.4581 | 3343.0781 | 806.862 | 42025.2104 | 943165.0181 |
| 11F RF | UDCon16 | Combination | Min | Top | 73161.4947 | -2650.4614 | -727.1736 | -40153.4917 | 880174.0179 |
| 11F RF | UDCon16 | Combination | Min | Bottom | 77227.4581 | -2653.1503 | -728.1382 | -40172.5299 | 922404.7106 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|--------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 11F RF | UDCon17 | Combination | Max | Top | 71971.229 | 2412.2165 | 642.4104 | 50917.0191 | 877331.2932 |
| 11F RF | UDCon17 | Combination | Max | Bottom | 76027.0481 | 2415.3888 | 643.2326 | 50943.9186 | 923679.6289 |
| 11F RF | UDCon17 | Combination | Min | Top | 71971.229 | -3296.0963 | -390.244 | -37035.1085 | 866846.133 |
| 11F RF | UDCon17 | Combination | Min | Bottom | 76027.0481 | -3298.5474 | -390.4449 | -37058.2107 | 909578.4902 |
| 11F RF | UDCon18 | Combination | Max | Top | 71971.229 | 3296.0963 | 390.244 | 37035.1081 | 879639.5555 |
| 11F RF | UDCon18 | Combination | Max | Bottom | 76027.0481 | 3298.5474 | 390.4449 | 37058.2104 | 926871.4987 |
| 11F RF | UDCon18 | Combination | Min | Top | 71971.229 | -2412.2165 | -642.4104 | -50917.0194 | 869154.3953 |
| 11F RF | UDCon18 | Combination | Min | Bottom | 76027.0481 | -2415.3888 | -643.2326 | -50943.9189 | 912770.3601 |
| 11F RF | UDCon19 | Combination | Max | Top | 71971.229 | 2650.4615 | 727.1736 | 40153.4914 | 880903.4899 |
| 11F RF | UDCon19 | Combination | Max | Bottom | 76027.0481 | 2653.1503 | 728.1382 | 40172.5296 | 928707.8449 |
| 11F RF | UDCon19 | Combination | Min | Top | 71971.229 | -3341.6643 | -805.8824 | -42004.7496 | 865501.0186 |
| 11F RF | UDCon19 | Combination | Min | Bottom | 76027.0481 | -3343.0781 | -806.862 | -42025.2107 | 907947.5374 |
| 11F RF | UDCon20 | Combination | Max | Top | 71971.229 | 3341.6643 | 805.8824 | 42004.7492 | 880984.6699 |
| 11F RF | UDCon20 | Combination | Max | Bottom | 76027.0481 | 3343.0781 | 806.862 | 42025.2104 | 928502.4516 |
| 11F RF | UDCon20 | Combination | Min | Top | 71971.229 | -2650.4614 | -727.1736 | -40153.4917 | 865582.1986 |
| 11F RF | UDCon20 | Combination | Min | Bottom | 76027.0481 | -2653.1503 | -728.1382 | -40172.5299 | 907742.144 |
| 10F RF | Dead | LinStatic | | Top | 39231.1596 | 8.367E-06 | 3.055E-06 | -0.0001 | 477236.3218 |
| 10F RF | Dead | LinStatic | | Bottom | 40941.4593 | 8.368E-06 | 3.139E-06 | -0.0001 | 496492.7079 |
| 10F RF | Live | LinStatic | | Top | 4634.4467 | 1.179E-06 | 0 | -1.614E-05 | 56785.2679 |
| 10F RF | Live | LinStatic | | Bottom | 4668.2611 | 1.179E-06 | 0 | -1.599E-05 | 57021.0922 |
| 10F RF | FF | LinStatic | | Top | 24352.3596 | 3.967E-06 | 1.653E-06 | -0.0001 | 295142.9818 |
| 10F RF | FF | LinStatic | | Bottom | 25527.4593 | 3.967E-06 | 1.706E-06 | -0.0001 | 308018.9678 |
| 10F RF | PW | LinStatic | | Top | 21058.8846 | 3.379E-06 | 1.383E-06 | -4.783E-05 | 253901.0398 |
| 10F RF | PW | LinStatic | | Bottom | 22229.3043 | 3.379E-06 | 1.433E-06 | -4.69E-05 | 266750.8178 |
| 10F RF | Earthquake+x | LinStatic | | Top | 0 | -2863.6763 | 2.383E-06 | 36161.7063 | -2.84E-05 |
| 10F RF | Earthquake+x | LinStatic | | Bottom | 0 | -2868.2269 | 2.363E-06 | 36188.7879 | -3.668E-05 |
| 10F RF | Earthquake+y | LinStatic | | Top | -1.102E-06 | -4.546E-06 | -2863.6763 | -47019.039 | 32267.4193 |
| 10F RF | Earthquake+y | LinStatic | | Bottom | -1.168E-06 | -4.543E-06 | -2868.2268 | -47106.3791 | 42297.7947 |
| 10F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 2654.9084 | 698.6277 | 52979.1909 | 5454.6344 |
| 10F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 2657.4726 | 699.4458 | 52992.1738 | 6896.3709 |
| 10F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3426.5949 | -415.2677 | -40192.1519 | -8646.5043 |
| 10F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3427.7289 | -415.8439 | -40207.3301 | -11089.1695 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Top | 0 | 2852.3233 | 809.0016 | 42121.9049 | 10482.8505 |
| 10F RF | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 2854.5218 | 809.5928 | 42135.0815 | 13636.4004 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Top | 0 | -3471.4563 | -900.6143 | -47148.0058 | -10277.4571 |
| 10F RF | TH-Y Load Case | LinModHist | Min | Bottom | 0 | -3473.9077 | -901.4627 | -47190.2982 | -12935.979 |
| 10F RF | UDCon11 | Combination | | Top | 114267.245 | 2.121E-05 | 8.224E-06 | -0.0003 | 1385478.4635 |
| 10F RF | UDCon11 | Combination | | Bottom | 119742.6008 | 2.121E-05 | 8.475E-06 | -0.0003 | 1446204.3663 |
| 10F RF | UDCon12 | Combination | | Top | 121218.915 | 2.298E-05 | 8.749E-06 | -0.0003 | 1470656.3654 |
| 10F RF | UDCon12 | Combination | | Bottom | 126744.9924 | 2.298E-05 | 9.012E-06 | -0.0003 | 1531736.0046 |
| 10F RF | UDCon13 | Combination | Max | Top | 86032.7377 | 2654.9084 | 698.6277 | 52979.1907 | 1048770.5581 |
| 10F RF | UDCon13 | Combination | Max | Bottom | 90098.7011 | 2657.4726 | 699.4458 | 52992.1736 | 1095265.1921 |
| 10F RF | UDCon13 | Combination | Min | Top | 86032.7377 | -3426.5949 | -415.2677 | -40192.1521 | 1034669.4194 |
| 10F RF | UDCon13 | Combination | Min | Bottom | 90098.7011 | -3427.7289 | -415.8439 | -40207.3303 | 1077279.6518 |
| 10F RF | UDCon14 | Combination | Max | Top | 86032.7377 | 3426.595 | 415.2677 | 40192.1516 | 1051962.428 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|--------|----------------|-------------|-----------|----------|------------|------------|------------|-------------|--------------|
| 10F RF | UDCon14 | Combination | Max | Bottom | 90098.7011 | 3427.7289 | 415.8439 | 40207.3299 | 1099457.9907 |
| 10F RF | UDCon14 | Combination | Min | Top | 86032.7377 | -2654.9083 | -698.6277 | -52979.1911 | 1037861.2893 |
| 10F RF | UDCon14 | Combination | Min | Bottom | 90098.7011 | -2657.4725 | -699.4458 | -52992.174 | 1081472.4504 |
| 10F RF | UDCon15 | Combination | Max | Top | 86032.7377 | 2852.3234 | 809.0016 | 42121.9047 | 1053798.7742 |
| 10F RF | UDCon15 | Combination | Max | Bottom | 90098.7011 | 2854.5218 | 809.5928 | 42135.0812 | 1102005.2216 |
| 10F RF | UDCon15 | Combination | Min | Top | 86032.7377 | -3471.4563 | -900.6143 | -47148.0061 | 1033038.4666 |
| 10F RF | UDCon15 | Combination | Min | Bottom | 90098.7011 | -3473.9077 | -901.4627 | -47190.2984 | 1075432.8422 |
| 10F RF | UDCon16 | Combination | Max | Top | 86032.7377 | 3471.4563 | 900.6143 | 47148.0056 | 1053593.3808 |
| 10F RF | UDCon16 | Combination | Max | Bottom | 90098.7011 | 3473.9077 | 901.4627 | 47190.298 | 1101304.8002 |
| 10F RF | UDCon16 | Combination | Min | Top | 86032.7377 | -2852.3233 | -809.0016 | -42121.9051 | 1032833.0733 |
| 10F RF | UDCon16 | Combination | Min | Bottom | 90098.7011 | -2854.5218 | -809.5928 | -42135.0817 | 1074732.4208 |
| 10F RF | UDCon17 | Combination | Max | Top | 84642.4037 | 2654.9084 | 698.6277 | 52979.1907 | 1031734.9777 |
| 10F RF | UDCon17 | Combination | Max | Bottom | 88698.2228 | 2657.4726 | 699.4458 | 52992.1736 | 1078158.8644 |
| 10F RF | UDCon17 | Combination | Min | Top | 84642.4037 | -3426.5949 | -415.2677 | -40192.1521 | 1017633.8391 |
| 10F RF | UDCon17 | Combination | Min | Bottom | 88698.2228 | -3427.7289 | -415.8439 | -40207.3303 | 1060173.3241 |
| 10F RF | UDCon18 | Combination | Max | Top | 84642.4037 | 3426.595 | 415.2677 | 40192.1516 | 1034926.8476 |
| 10F RF | UDCon18 | Combination | Max | Bottom | 88698.2228 | 3427.7289 | 415.8439 | 40207.3299 | 1082351.663 |
| 10F RF | UDCon18 | Combination | Min | Top | 84642.4037 | -2654.9083 | -698.6277 | -52979.1911 | 1020825.7089 |
| 10F RF | UDCon18 | Combination | Min | Bottom | 88698.2228 | -2657.4725 | -699.4458 | -52992.174 | 1064366.1227 |
| 10F RF | UDCon19 | Combination | Max | Top | 84642.4037 | 2852.3234 | 809.0016 | 42121.9047 | 1036763.1938 |
| 10F RF | UDCon19 | Combination | Max | Bottom | 88698.2228 | 2854.5218 | 809.5928 | 42135.0812 | 1084898.894 |
| 10F RF | UDCon19 | Combination | Min | Top | 84642.4037 | -3471.4563 | -900.6143 | -47148.0061 | 1016002.8863 |
| 10F RF | UDCon19 | Combination | Min | Bottom | 88698.2228 | -3473.9077 | -901.4627 | -47190.2984 | 1058326.5145 |
| 10F RF | UDCon20 | Combination | Max | Top | 84642.4037 | 3471.4563 | 900.6143 | 47148.0056 | 1036557.8004 |
| 10F RF | UDCon20 | Combination | Max | Bottom | 88698.2228 | 3473.9077 | 901.4627 | 47190.298 | 1084198.4726 |
| 10F RF | UDCon20 | Combination | Min | Top | 84642.4037 | -2852.3233 | -809.0016 | -42121.9051 | 1015797.4929 |
| 10F RF | UDCon20 | Combination | Min | Bottom | 88698.2228 | -2854.5218 | -809.5928 | -42135.0817 | 1057626.0931 |
| 9F RF | Dead | LinStatic | | Top | 45079.9395 | 8.886E-06 | 2.861E-06 | -0.0001 | 548163.8515 |
| 9F RF | Dead | LinStatic | | Bottom | 46790.2392 | 8.881E-06 | 2.871E-06 | -0.0001 | 567420.2375 |
| 9F RF | Live | LinStatic | | Top | 5301.3411 | 1.259E-06 | 0 | -1.755E-05 | 64931.1382 |
| 9F RF | Live | LinStatic | | Bottom | 5335.1555 | 1.258E-06 | 0 | -1.754E-05 | 65166.9625 |
| 9F RF | FF | LinStatic | | Top | 27999.1395 | 4.18E-06 | 1.585E-06 | -0.0001 | 339145.6915 |
| 9F RF | FF | LinStatic | | Bottom | 29174.2392 | 4.178E-06 | 1.591E-06 | -0.0001 | 352021.6775 |
| 9F RF | PW | LinStatic | | Top | 24234.4995 | 3.561E-06 | 1.354E-06 | -0.0001 | 292008.2994 |
| 9F RF | PW | LinStatic | | Bottom | 25404.9192 | 3.558E-06 | 1.36E-06 | -0.0001 | 304858.0775 |
| 9F RF | Earthquake+x | LinStatic | | Top | 0 | -3156.9295 | 1.619E-06 | 39932.0738 | -3.47E-05 |
| 9F RF | Earthquake+x | LinStatic | | Bottom | 0 | -3161.025 | 1.616E-06 | 39956.4472 | -4.031E-05 |
| 9F RF | Earthquake+y | LinStatic | | Top | -1.385E-06 | -4.947E-06 | -3156.9295 | -51957.5798 | 42297.7947 |
| 9F RF | Earthquake+y | LinStatic | | Bottom | -1.382E-06 | -4.943E-06 | -3161.0249 | -52036.186 | 53353.8054 |
| 9F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 2838.5277 | 765.4539 | 53454.5221 | 6896.3709 |
| 9F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 2840.4654 | 766.294 | 53455.2769 | 8371.5251 |
| 9F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3456.5053 | -444.1973 | -42332.292 | -11089.1695 |
| 9F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3456.5455 | -444.6701 | -42339.8192 | -13673.7626 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Top | 5.834E-07 | 3105.2112 | 874.151 | 44893.5999 | 13636.4004 |
| 9F RF | TH-Y Load Case | LinModHist | Max | Bottom | 5.882E-07 | 3109.6812 | 874.3685 | 44926.1349 | 17092.6301 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 9F RF | TH-Y Load Case | LinModHist | Min | Top | -6.293E-07 | -3662.8255 | -1005.1854 | -51696.4537 | -12935.979 |
| 9F RF | TH-Y Load Case | LinModHist | Min | Bottom | -6.344E-07 | -3663.973 | -1006.8962 | -51730.7564 | -15652.7153 |
| 9F RF | UDCon11 | Combination | | Top | 131373.3308 | 2.245E-05 | 7.831E-06 | -0.0003 | 1592079.0872 |
| 9F RF | UDCon11 | Combination | | Bottom | 136848.6866 | 2.243E-05 | 7.86E-06 | -0.0003 | 1652804.99 |
| 9F RF | UDCon12 | Combination | | Top | 139325.3425 | 2.433E-05 | 8.307E-06 | -0.0003 | 1689475.7945 |
| 9F RF | UDCon12 | Combination | | Bottom | 144851.4199 | 2.432E-05 | 8.337E-06 | -0.0003 | 1750555.4338 |
| 9F RF | UDCon13 | Combination | Max | Top | 98903.9807 | 2838.5277 | 765.4539 | 53454.5219 | 1205693.5547 |
| 9F RF | UDCon13 | Combination | Max | Bottom | 102969.9441 | 2840.4654 | 766.294 | 53455.2766 | 1252221.6064 |
| 9F RF | UDCon13 | Combination | Min | Top | 98903.9807 | -3456.5053 | -444.1973 | -42332.2922 | 1187708.0144 |
| 9F RF | UDCon13 | Combination | Min | Bottom | 102969.9441 | -3456.5455 | -444.67 | -42339.8195 | 1230176.3187 |
| 9F RF | UDCon14 | Combination | Max | Top | 98903.9807 | 3456.5053 | 444.1973 | 42332.2918 | 1209886.3533 |
| 9F RF | UDCon14 | Combination | Max | Bottom | 102969.9441 | 3456.5455 | 444.6701 | 42339.819 | 1257523.8439 |
| 9F RF | UDCon14 | Combination | Min | Top | 98903.9807 | -2838.5277 | -765.4539 | -53454.5223 | 1191900.813 |
| 9F RF | UDCon14 | Combination | Min | Bottom | 102969.9441 | -2840.4653 | -766.294 | -53455.2771 | 1235478.5562 |
| 9F RF | UDCon15 | Combination | Max | Top | 98903.9807 | 3105.2112 | 874.151 | 44893.5997 | 1212433.5843 |
| 9F RF | UDCon15 | Combination | Max | Bottom | 102969.9441 | 3109.6812 | 874.3685 | 44926.1346 | 1260942.7114 |
| 9F RF | UDCon15 | Combination | Min | Top | 98903.9807 | -3662.8255 | -1005.1854 | -51696.4539 | 1185861.2048 |
| 9F RF | UDCon15 | Combination | Min | Bottom | 102969.9441 | -3663.973 | -1006.8962 | -51730.7567 | 1228197.366 |
| 9F RF | UDCon16 | Combination | Max | Top | 98903.9807 | 3662.8255 | 1005.1854 | 51696.4534 | 1211733.1629 |
| 9F RF | UDCon16 | Combination | Max | Bottom | 102969.9441 | 3663.973 | 1006.8962 | 51730.7562 | 1259502.7967 |
| 9F RF | UDCon16 | Combination | Min | Top | 98903.9807 | -3105.2112 | -874.1509 | -44893.6002 | 1185160.7834 |
| 9F RF | UDCon16 | Combination | Min | Bottom | 102969.9441 | -3109.6812 | -874.3685 | -44926.1351 | 1226757.4513 |
| 9F RF | UDCon17 | Combination | Max | Top | 97313.5784 | 2838.5277 | 765.4539 | 53454.5219 | 1186214.2132 |
| 9F RF | UDCon17 | Combination | Max | Bottom | 101369.3975 | 2840.4654 | 766.294 | 53455.2766 | 1232671.5177 |
| 9F RF | UDCon17 | Combination | Min | Top | 97313.5784 | -3456.5053 | -444.1973 | -42332.2922 | 1168228.6729 |
| 9F RF | UDCon17 | Combination | Min | Bottom | 101369.3975 | -3456.5455 | -444.67 | -42339.8195 | 1210626.23 |
| 9F RF | UDCon18 | Combination | Max | Top | 97313.5784 | 3456.5053 | 444.1973 | 42332.2918 | 1190407.0118 |
| 9F RF | UDCon18 | Combination | Max | Bottom | 101369.3975 | 3456.5455 | 444.6701 | 42339.819 | 1237973.7552 |
| 9F RF | UDCon18 | Combination | Min | Top | 97313.5784 | -2838.5277 | -765.4539 | -53454.5223 | 1172421.4715 |
| 9F RF | UDCon18 | Combination | Min | Bottom | 101369.3975 | -2840.4653 | -766.294 | -53455.2771 | 1215928.4675 |
| 9F RF | UDCon19 | Combination | Max | Top | 97313.5784 | 3105.2112 | 874.151 | 44893.5997 | 1192954.2428 |
| 9F RF | UDCon19 | Combination | Max | Bottom | 101369.3975 | 3109.6812 | 874.3685 | 44926.1346 | 1241392.6226 |
| 9F RF | UDCon19 | Combination | Min | Top | 97313.5784 | -3662.8255 | -1005.1854 | -51696.4539 | 1166381.8634 |
| 9F RF | UDCon19 | Combination | Min | Bottom | 101369.3975 | -3663.973 | -1006.8962 | -51730.7566 | 1208647.2773 |
| 9F RF | UDCon20 | Combination | Max | Top | 97313.5784 | 3662.8255 | 1005.1854 | 51696.4534 | 1192253.8214 |
| 9F RF | UDCon20 | Combination | Max | Bottom | 101369.3975 | 3663.973 | 1006.8962 | 51730.7562 | 1239952.7079 |
| 9F RF | UDCon20 | Combination | Min | Top | 97313.5784 | -3105.2112 | -874.1509 | -44893.6001 | 1165681.4419 |
| 9F RF | UDCon20 | Combination | Min | Bottom | 101369.3975 | -3109.6812 | -874.3685 | -44926.1351 | 1207207.3625 |
| 8F RF | Dead | LinStatic | | Top | 50928.7194 | 6.415E-06 | 2.788E-06 | -0.0001 | 619091.3812 |
| 8F RF | Dead | LinStatic | | Bottom | 52639.0191 | 6.413E-06 | 2.765E-06 | -0.0001 | 638347.7672 |
| 8F RF | Live | LinStatic | | Top | 5968.2355 | 9.38E-07 | 0 | -1.399E-05 | 73077.0085 |
| 8F RF | Live | LinStatic | | Bottom | 6002.05 | 9.377E-07 | 0 | -1.403E-05 | 73312.8329 |
| 8F RF | FF | LinStatic | | Top | 31645.9194 | 2.98E-06 | 1.557E-06 | -4.645E-05 | 383148.4011 |
| 8F RF | FF | LinStatic | | Bottom | 32821.0191 | 2.978E-06 | 1.542E-06 | -4.675E-05 | 396024.3872 |
| 8F RF | PW | LinStatic | | Top | 27410.1144 | 2.509E-06 | 1.339E-06 | -3.914E-05 | 330115.5591 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 8F RF | PW | LinStatic | | Bottom | 28580.5341 | 2.508E-06 | 1.325E-06 | -3.941E-05 | 342965.3372 |
| 8F RF | Earthquake+x | LinStatic | | Top | 0 | -3417.6496 | 1.352E-06 | 43283.8121 | -4.244E-05 |
| 8F RF | Earthquake+x | LinStatic | | Bottom | 0 | -3421.29 | 1.352E-06 | 43305.4774 | -4.71E-05 |
| 8F RF | Earthquake+y | LinStatic | | Top | -1.651E-06 | -3.197E-06 | -3417.6495 | -56348.3644 | 53353.8053 |
| 8F RF | Earthquake+y | LinStatic | | Bottom | -1.672E-06 | -3.194E-06 | -3421.2899 | -56418.2365 | 65321.5853 |
| 8F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 2961.687 | 825.6295 | 52904.7884 | 8371.5251 |
| 8F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 2963.0006 | 826.4924 | 52924.863 | 9840.674 |
| 8F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3566.1381 | -460.8332 | -43461.6112 | -13673.7626 |
| 8F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3568.5255 | -461.1702 | -43461.9121 | -16353.3519 |
| 8F RF | TH-Y Load Case | LinModHist | Max | Top | 0 | 3430.5954 | 921.497 | 51384.3597 | 17092.6301 |
| 8F RF | TH-Y Load Case | LinModHist | Max | Bottom | 0 | 3434.1563 | 921.3527 | 51436.9538 | 20831.0709 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Top | -5.041E-07 | -3783.4544 | -1136.4371 | -55242.6286 | -15652.7153 |
| 8F RF | TH-Y Load Case | LinModHist | Min | Bottom | -5.169E-07 | -3783.4384 | -1138.259 | -55268.2268 | -18440.6034 |
| 8F RF | UDCon11 | Combination | | Top | 148479.4167 | 1.607E-05 | 7.673E-06 | -0.0002 | 1798679.711 |
| 8F RF | UDCon11 | Combination | | Bottom | 153954.7724 | 1.606E-05 | 7.603E-06 | -0.0002 | 1859405.6137 |
| 8F RF | UDCon12 | Combination | | Top | 157431.77 | 1.748E-05 | 8.132E-06 | -0.0003 | 1908295.2238 |
| 8F RF | UDCon12 | Combination | | Bottom | 162957.8474 | 1.747E-05 | 8.059E-06 | -0.0003 | 1969374.863 |
| 8F RF | UDCon13 | Combination | Max | Top | 111775.2238 | 2961.687 | 825.6295 | 52904.7882 | 1362649.9691 |
| 8F RF | UDCon13 | Combination | Max | Bottom | 115841.1872 | 2963.0006 | 826.4924 | 52924.8628 | 1409172.0155 |
| 8F RF | UDCon13 | Combination | Min | Top | 111775.2238 | -3566.1381 | -460.8332 | -43461.6114 | 1340604.6814 |
| 8F RF | UDCon13 | Combination | Min | Bottom | 115841.1872 | -3568.5255 | -461.1702 | -43461.9123 | 1382977.9896 |
| 8F RF | UDCon14 | Combination | Max | Top | 111775.2238 | 3566.1382 | 460.8332 | 43461.611 | 1367952.2066 |
| 8F RF | UDCon14 | Combination | Max | Bottom | 115841.1872 | 3568.5255 | 461.1702 | 43461.9119 | 1415684.6935 |
| 8F RF | UDCon14 | Combination | Min | Top | 111775.2238 | -2961.687 | -825.6295 | -52904.7886 | 1345906.9189 |
| 8F RF | UDCon14 | Combination | Min | Bottom | 115841.1872 | -2963.0006 | -826.4924 | -52924.8632 | 1389490.6675 |
| 8F RF | UDCon15 | Combination | Max | Top | 111775.2238 | 3430.5954 | 921.497 | 51384.3595 | 1371371.0741 |
| 8F RF | UDCon15 | Combination | Max | Bottom | 115841.1872 | 3434.1563 | 921.3527 | 51436.9536 | 1420162.4124 |
| 8F RF | UDCon15 | Combination | Min | Top | 111775.2238 | -3783.4544 | -1136.437 | -55242.6288 | 1338625.7287 |
| 8F RF | UDCon15 | Combination | Min | Bottom | 115841.1872 | -3783.4384 | -1138.259 | -55268.227 | 1380890.7381 |
| 8F RF | UDCon16 | Combination | Max | Top | 111775.2238 | 3783.4544 | 1136.4371 | 55242.6284 | 1369931.1593 |
| 8F RF | UDCon16 | Combination | Max | Bottom | 115841.1872 | 3783.4384 | 1138.259 | 55268.2266 | 1417771.945 |
| 8F RF | UDCon16 | Combination | Min | Top | 111775.2238 | -3430.5954 | -921.497 | -51384.3599 | 1337185.814 |
| 8F RF | UDCon16 | Combination | Min | Bottom | 115841.1872 | -3434.1563 | -921.3527 | -51436.954 | 1378500.2706 |
| 8F RF | UDCon17 | Combination | Max | Top | 109984.7531 | 2961.687 | 825.6295 | 52904.7882 | 1340726.8666 |
| 8F RF | UDCon17 | Combination | Max | Bottom | 114040.5722 | 2963.0006 | 826.4924 | 52924.8628 | 1387178.1657 |
| 8F RF | UDCon17 | Combination | Min | Top | 109984.7531 | -3566.1381 | -460.8332 | -43461.6114 | 1318681.5789 |
| 8F RF | UDCon17 | Combination | Min | Bottom | 114040.5722 | -3568.5255 | -461.1702 | -43461.9123 | 1360984.1397 |
| 8F RF | UDCon18 | Combination | Max | Top | 109984.7531 | 3566.1382 | 460.8332 | 43461.611 | 1346029.104 |
| 8F RF | UDCon18 | Combination | Max | Bottom | 114040.5722 | 3568.5255 | 461.1702 | 43461.9119 | 1393690.8436 |
| 8F RF | UDCon18 | Combination | Min | Top | 109984.7531 | -2961.687 | -825.6295 | -52904.7886 | 1323983.8164 |
| 8F RF | UDCon18 | Combination | Min | Bottom | 114040.5722 | -2963.0006 | -826.4924 | -52924.8632 | 1367496.8176 |
| 8F RF | UDCon19 | Combination | Max | Top | 109984.7531 | 3430.5954 | 921.497 | 51384.3595 | 1349447.9715 |
| 8F RF | UDCon19 | Combination | Max | Bottom | 114040.5722 | 3434.1563 | 921.3527 | 51436.9537 | 1398168.5625 |
| 8F RF | UDCon19 | Combination | Min | Top | 109984.7531 | -3783.4544 | -1136.437 | -55242.6288 | 1316702.6261 |
| 8F RF | UDCon19 | Combination | Min | Bottom | 114040.5722 | -3783.4384 | -1138.259 | -55268.227 | 1358896.8882 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 8F RF | UDCon20 | Combination | Max | Top | 109984.7531 | 3783.4544 | 1136.4371 | 55242.6284 | 1348008.0568 |
| 8F RF | UDCon20 | Combination | Max | Bottom | 114040.5722 | 3783.4384 | 1138.259 | 55268.2266 | 1395778.0951 |
| 8F RF | UDCon20 | Combination | Min | Top | 109984.7531 | -3430.5954 | -921.497 | -51384.3599 | 1315262.7114 |
| 8F RF | UDCon20 | Combination | Min | Bottom | 114040.5722 | -3434.1563 | -921.3527 | -51436.954 | 1356506.4208 |
| 7F RF | Dead | LinStatic | | Top | 56777.4993 | 4.129E-06 | 3.608E-06 | -0.0001 | 690018.9109 |
| 7F RF | Dead | LinStatic | | Bottom | 58487.799 | 4.124E-06 | 3.669E-06 | -0.0001 | 709275.2969 |
| 7F RF | Live | LinStatic | | Top | 6635.13 | 6.524E-07 | 0 | -9.824E-06 | 81222.8789 |
| 7F RF | Live | LinStatic | | Bottom | 6668.9444 | 6.518E-07 | 0 | -9.709E-06 | 81458.7032 |
| 7F RF | FF | LinStatic | | Top | 35292.6993 | 1.852E-06 | 2.019E-06 | -2.918E-05 | 427151.1108 |
| 7F RF | FF | LinStatic | | Bottom | 36467.7989 | 1.849E-06 | 2.058E-06 | -2.84E-05 | 440027.0969 |
| 7F RF | PW | LinStatic | | Top | 30585.7293 | 1.511E-06 | 1.733E-06 | -2.384E-05 | 368222.8188 |
| 7F RF | PW | LinStatic | | Bottom | 31756.1489 | 1.508E-06 | 1.769E-06 | -2.313E-05 | 381072.5969 |
| 7F RF | Earthquake+x | LinStatic | | Top | 0 | -3645.8365 | 2.35E-06 | 46216.9217 | -4.567E-05 |
| 7F RF | Earthquake+x | LinStatic | | Bottom | 0 | -3649.0218 | 2.356E-06 | 46235.8789 | -0.0001 |
| 7F RF | Earthquake+y | LinStatic | | Top | -1.896E-06 | -1.47E-06 | -3645.8364 | -60191.3927 | 65321.5853 |
| 7F RF | Earthquake+y | LinStatic | | Bottom | -1.793E-06 | -1.466E-06 | -3649.0218 | -60252.5308 | 78087.2687 |
| 7F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 3024.9733 | 880.1434 | 54487.0077 | 9840.674 |
| 7F RF | TH-X Load Case | LinModHist | Max | Bottom | 0 | 3025.69 | 881.0267 | 54496.0729 | 11267.3348 |
| 7F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3687.9649 | -464.0785 | -43612.5026 | -16353.3519 |
| 7F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3689.0166 | -464.2532 | -43606.1474 | -19186.6707 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Top | 5.602E-07 | 3674.5904 | 950.5447 | 57362.723 | 20831.0709 |
| 7F RF | TH-Y Load Case | LinModHist | Max | Bottom | 5.583E-07 | 3677.02 | 950.0633 | 57408.4034 | 24838.8968 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Top | -6.371E-07 | -3979.7574 | -1259.5964 | -57679.1031 | -18440.6034 |
| 7F RF | TH-Y Load Case | LinModHist | Min | Bottom | -6.315E-07 | -3984.2233 | -1261.4909 | -57695.5477 | -21766.7155 |
| 7F RF | UDCon11 | Combination | | Top | 165585.5025 | 1.011E-05 | 9.936E-06 | -0.0002 | 2005280.3347 |
| 7F RF | UDCon11 | Combination | | Bottom | 171060.8582 | 1.01E-05 | 1.012E-05 | -0.0002 | 2066006.2375 |
| 7F RF | UDCon12 | Combination | | Top | 175538.1975 | 1.109E-05 | 1.053E-05 | -0.0002 | 2127114.653 |
| 7F RF | UDCon12 | Combination | | Bottom | 181064.2749 | 1.108E-05 | 1.072E-05 | -0.0002 | 2188194.2923 |
| 7F RF | UDCon13 | Combination | Max | Top | 124646.4668 | 3024.9733 | 880.1434 | 54487.0076 | 1519600.3782 |
| 7F RF | UDCon13 | Combination | Max | Bottom | 128712.4302 | 3025.69 | 881.0267 | 54496.0727 | 1566079.9365 |
| 7F RF | UDCon13 | Combination | Min | Top | 124646.4668 | -3687.9649 | -464.0785 | -43612.5027 | 1493406.3523 |
| 7F RF | UDCon13 | Combination | Min | Bottom | 128712.4302 | -3689.0166 | -464.2532 | -43606.1475 | 1535625.931 |
| 7F RF | UDCon14 | Combination | Max | Top | 124646.4668 | 3687.9649 | 464.0785 | 43612.5024 | 1526113.0562 |
| 7F RF | UDCon14 | Combination | Max | Bottom | 128712.4302 | 3689.0166 | 464.2532 | 43606.1473 | 1573999.2724 |
| 7F RF | UDCon14 | Combination | Min | Top | 124646.4668 | -3024.9733 | -880.1434 | -54487.0078 | 1499919.0302 |
| 7F RF | UDCon14 | Combination | Min | Bottom | 128712.4302 | -3025.6899 | -881.0267 | -54496.073 | 1543545.2669 |
| 7F RF | UDCon15 | Combination | Max | Top | 124646.4668 | 3674.5904 | 950.5447 | 57362.7229 | 1530590.7751 |
| 7F RF | UDCon15 | Combination | Max | Bottom | 128712.4302 | 3677.02 | 950.0633 | 57408.4033 | 1579651.4985 |
| 7F RF | UDCon15 | Combination | Min | Top | 124646.4668 | -3979.7574 | -1259.5964 | -57679.1032 | 1491319.1008 |
| 7F RF | UDCon15 | Combination | Min | Bottom | 128712.4302 | -3984.2233 | -1261.4909 | -57695.5478 | 1533045.8862 |
| 7F RF | UDCon16 | Combination | Max | Top | 124646.4668 | 3979.7575 | 1259.5964 | 57679.103 | 1528200.3076 |
| 7F RF | UDCon16 | Combination | Max | Bottom | 128712.4302 | 3984.2234 | 1261.4909 | 57695.5476 | 1576579.3172 |
| 7F RF | UDCon16 | Combination | Min | Top | 124646.4668 | -3674.5904 | -950.5446 | -57362.7231 | 1488928.6333 |
| 7F RF | UDCon16 | Combination | Min | Bottom | 128712.4302 | -3677.02 | -950.0633 | -57408.4035 | 1529973.7049 |
| 7F RF | UDCon17 | Combination | Max | Top | 122655.9278 | 3024.9733 | 880.1434 | 54487.0076 | 1495233.5146 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 7F RF | UDCon17 | Combination | Max | Bottom | 126711.7468 | 3025.69 | 881.0267 | 54496.0728 | 1541642.3256 |
| 7F RF | UDCon17 | Combination | Min | Top | 122655.9278 | -3687.9649 | -464.0785 | -43612.5027 | 1469039.4886 |
| 7F RF | UDCon17 | Combination | Min | Bottom | 126711.7468 | -3689.0166 | -464.2532 | -43606.1475 | 1511188.32 |
| 7F RF | UDCon18 | Combination | Max | Top | 122655.9278 | 3687.9649 | 464.0785 | 43612.5025 | 1501746.1925 |
| 7F RF | UDCon18 | Combination | Max | Bottom | 126711.7468 | 3689.0166 | 464.2532 | 43606.1473 | 1549561.6615 |
| 7F RF | UDCon18 | Combination | Min | Top | 122655.9278 | -3024.9733 | -880.1434 | -54487.0078 | 1475552.1665 |
| 7F RF | UDCon18 | Combination | Min | Bottom | 126711.7468 | -3025.6899 | -881.0267 | -54496.073 | 1519107.6559 |
| 7F RF | UDCon19 | Combination | Max | Top | 122655.9278 | 3674.5904 | 950.5447 | 57362.7229 | 1506223.9114 |
| 7F RF | UDCon19 | Combination | Max | Bottom | 126711.7468 | 3677.02 | 950.0633 | 57408.4033 | 1555213.8875 |
| 7F RF | UDCon19 | Combination | Min | Top | 122655.9278 | -3979.7574 | -1259.5964 | -57679.1032 | 1466952.2371 |
| 7F RF | UDCon19 | Combination | Min | Bottom | 126711.7468 | -3984.2233 | -1261.4909 | -57695.5478 | 1508608.2752 |
| 7F RF | UDCon20 | Combination | Max | Top | 122655.9278 | 3979.7575 | 1259.5964 | 57679.103 | 1503833.444 |
| 7F RF | UDCon20 | Combination | Max | Bottom | 126711.7468 | 3984.2234 | 1261.4909 | 57695.5476 | 1552141.7063 |
| 7F RF | UDCon20 | Combination | Min | Top | 122655.9278 | -3674.5904 | -950.5446 | -57362.7231 | 1464561.7697 |
| 7F RF | UDCon20 | Combination | Min | Bottom | 126711.7468 | -3677.02 | -950.0633 | -57408.4035 | 1505536.094 |
| 6F RF | Dead | LinStatic | | Top | 62626.2792 | 2.423E-06 | 4.342E-06 | -3.475E-05 | 760946.4406 |
| 6F RF | Dead | LinStatic | | Bottom | 64336.5788 | 2.421E-06 | 4.4E-06 | -3.362E-05 | 780202.8266 |
| 6F RF | Live | LinStatic | | Top | 7302.0244 | 0 | 0 | -6.529E-06 | 89368.7492 |
| 6F RF | Live | LinStatic | | Bottom | 7335.8389 | 0 | 0 | -6.425E-06 | 89604.5735 |
| 6F RF | FF | LinStatic | | Top | 38939.4792 | 9.682E-07 | 2.444E-06 | -1.325E-05 | 471153.8205 |
| 6F RF | FF | LinStatic | | Bottom | 40114.5788 | 9.671E-07 | 2.48E-06 | -1.254E-05 | 484029.8066 |
| 6F RF | PW | LinStatic | | Top | 33761.3442 | 7.239E-07 | 2.1E-06 | -9.642E-06 | 406330.0785 |
| 6F RF | PW | LinStatic | | Bottom | 34931.7638 | 7.231E-07 | 2.134E-06 | -8.984E-06 | 419179.8566 |
| 6F RF | Earthquake+x | LinStatic | | Top | 0 | -3841.4903 | 3.166E-06 | 48731.4026 | -0.0001 |
| 6F RF | Earthquake+x | LinStatic | | Bottom | 0 | -3844.2206 | 3.176E-06 | 48747.6516 | -0.0001 |
| 6F RF | Earthquake+y | LinStatic | | Top | -1.932E-06 | 0 | -3841.4902 | -63486.6646 | 78087.2687 |
| 6F RF | Earthquake+y | LinStatic | | Bottom | -1.785E-06 | 0 | -3844.2206 | -63539.0687 | 91536.9896 |
| 6F RF | TH-X Load Case | LinModHist | Max | Top | 0 | 3040.2288 | 955.0556 | 54714.7237 | 11267.3348 |
| 6F RF | TH-X Load Case | LinModHist | Max | Bottom | 5.006E-07 | 3040.6577 | 956.4693 | 54712.782 | 12680.4202 |
| 6F RF | TH-X Load Case | LinModHist | Min | Top | 0 | -3711.752 | -514.7704 | -42846.1417 | -19186.6707 |
| 6F RF | TH-X Load Case | LinModHist | Min | Bottom | 0 | -3711.4465 | -516.1705 | -42833.8266 | -22442.8366 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Top | 6.761E-07 | 3823.5853 | 961.6291 | 62364.9847 | 24838.8968 |
| 6F RF | TH-Y Load Case | LinModHist | Max | Bottom | 6.677E-07 | 3824.7518 | 960.8477 | 62402.2053 | 29109.6607 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Top | -7.608E-07 | -4301.8997 | -1372.4767 | -58947.126 | -21766.7155 |
| 6F RF | TH-Y Load Case | LinModHist | Min | Bottom | -7.468E-07 | -4305.0889 | -1374.4111 | -58954.3214 | -25131.128 |
| 6F RF | UDCon11 | Combination | | Top | 182691.5883 | 5.555E-06 | 1.2E-05 | -0.0001 | 2211880.9585 |
| 6F RF | UDCon11 | Combination | | Bottom | 188166.9441 | 5.55E-06 | 1.217E-05 | -0.0001 | 2272606.8612 |
| 6F RF | UDCon12 | Combination | | Top | 193644.625 | 6.234E-06 | 1.271E-05 | -0.0001 | 2345934.0822 |
| 6F RF | UDCon12 | Combination | | Bottom | 199170.7024 | 6.229E-06 | 1.289E-05 | -0.0001 | 2407013.7215 |
| 6F RF | UDCon13 | Combination | Max | Top | 137517.7098 | 3040.2288 | 955.0556 | 54714.7237 | 1676508.2992 |
| 6F RF | UDCon13 | Combination | Max | Bottom | 141583.6732 | 3040.6577 | 956.4693 | 54712.7819 | 1722974.282 |
| 6F RF | UDCon13 | Combination | Min | Top | 137517.7098 | -3711.752 | -514.7704 | -42846.1418 | 1646054.2936 |
| 6F RF | UDCon13 | Combination | Min | Bottom | 141583.6732 | -3711.4465 | -516.1705 | -42833.8266 | 1687851.0252 |
| 6F RF | UDCon14 | Combination | Max | Top | 137517.7098 | 3711.752 | 514.7704 | 42846.1417 | 1684427.6351 |
| 6F RF | UDCon14 | Combination | Max | Bottom | 141583.6732 | 3711.4465 | 516.1705 | 42833.8265 | 1732736.6984 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 6F RF | UDCon14 | Combination | Min | Top | 137517.7098 | -3040.2288 | -955.0556 | -54714.7238 | 1653973.6295 |
| 6F RF | UDCon14 | Combination | Min | Bottom | 141583.6732 | -3040.6577 | -956.4693 | -54712.782 | 1697613.4417 |
| 6F RF | UDCon15 | Combination | Max | Top | 137517.7098 | 3823.5853 | 961.6291 | 62364.9846 | 1690079.8611 |
| 6F RF | UDCon15 | Combination | Max | Bottom | 141583.6732 | 3824.7518 | 960.8477 | 62402.2053 | 1739403.5226 |
| 6F RF | UDCon15 | Combination | Min | Top | 137517.7098 | -4301.8997 | -1372.4767 | -58947.1261 | 1643474.2488 |
| 6F RF | UDCon15 | Combination | Min | Bottom | 141583.6732 | -4305.0889 | -1374.4111 | -58954.3215 | 1685162.7339 |
| 6F RF | UDCon16 | Combination | Max | Top | 137517.7098 | 4301.8997 | 1372.4767 | 58947.126 | 1687007.6799 |
| 6F RF | UDCon16 | Combination | Max | Bottom | 141583.6732 | 4305.0889 | 1374.4111 | 58954.3214 | 1735424.9898 |
| 6F RF | UDCon16 | Combination | Min | Top | 137517.7098 | -3823.5853 | -961.629 | -62364.9847 | 1640402.0676 |
| 6F RF | UDCon16 | Combination | Min | Bottom | 141583.6732 | -3824.7518 | -960.8477 | -62402.2054 | 1681184.2011 |
| 6F RF | UDCon17 | Combination | Max | Top | 135327.1025 | 3040.2288 | 955.0556 | 54714.7237 | 1649697.6744 |
| 6F RF | UDCon17 | Combination | Max | Bottom | 139382.9215 | 3040.6577 | 956.4693 | 54712.7819 | 1696092.91 |
| 6F RF | UDCon17 | Combination | Min | Top | 135327.1025 | -3711.752 | -514.7704 | -42846.1418 | 1619243.6689 |
| 6F RF | UDCon17 | Combination | Min | Bottom | 139382.9215 | -3711.4465 | -516.1705 | -42833.8266 | 1660969.6532 |
| 6F RF | UDCon18 | Combination | Max | Top | 135327.1025 | 3711.752 | 514.7704 | 42846.1417 | 1657617.0103 |
| 6F RF | UDCon18 | Combination | Max | Bottom | 139382.9215 | 3711.4465 | 516.1705 | 42833.8265 | 1705855.3264 |
| 6F RF | UDCon18 | Combination | Min | Top | 135327.1025 | -3040.2288 | -955.0556 | -54714.7238 | 1627163.0048 |
| 6F RF | UDCon18 | Combination | Min | Bottom | 139382.9215 | -3040.6577 | -956.4693 | -54712.782 | 1670732.0696 |
| 6F RF | UDCon19 | Combination | Max | Top | 135327.1025 | 3823.5853 | 961.6291 | 62364.9846 | 1663269.2364 |
| 6F RF | UDCon19 | Combination | Max | Bottom | 139382.9215 | 3824.7518 | 960.8477 | 62402.2053 | 1712522.1505 |
| 6F RF | UDCon19 | Combination | Min | Top | 135327.1025 | -4301.8997 | -1372.4767 | -58947.1261 | 1616663.6241 |
| 6F RF | UDCon19 | Combination | Min | Bottom | 139382.9215 | -4305.0889 | -1374.4111 | -58954.3215 | 1658281.3618 |
| 6F RF | UDCon20 | Combination | Max | Top | 135327.1025 | 4301.8997 | 1372.4767 | 58947.126 | 1660197.0551 |
| 6F RF | UDCon20 | Combination | Max | Bottom | 139382.9215 | 4305.0889 | 1374.4111 | 58954.3214 | 1708543.6178 |
| 6F RF | UDCon20 | Combination | Min | Top | 135327.1025 | -3823.5853 | -961.629 | -62364.9847 | 1613591.4428 |
| 6F RF | UDCon20 | Combination | Min | Bottom | 139382.9215 | -3824.7518 | -960.8477 | -62402.2054 | 1654302.8291 |
| 5F RF | Dead | LinStatic | | Top | 68475.0591 | 3.12E-06 | 4.342E-06 | -4.482E-05 | 831873.9702 |
| 5F RF | Dead | LinStatic | | Bottom | 70185.3587 | 3.119E-06 | 4.426E-06 | -4.32E-05 | 851130.3563 |
| 5F RF | Live | LinStatic | | Top | 7968.9189 | 5.324E-07 | 0 | -7.749E-06 | 97514.6195 |
| 5F RF | Live | LinStatic | | Bottom | 8002.7333 | 5.322E-07 | 0 | -7.585E-06 | 97750.4438 |
| 5F RF | FF | LinStatic | | Top | 42586.259 | 1.324E-06 | 2.467E-06 | -1.827E-05 | 515156.5302 |
| 5F RF | FF | LinStatic | | Bottom | 43761.3587 | 1.324E-06 | 2.517E-06 | -1.73E-05 | 528032.5163 |
| 5F RF | PW | LinStatic | | Top | 36936.959 | 1.045E-06 | 2.141E-06 | -1.395E-05 | 444437.3382 |
| 5F RF | PW | LinStatic | | Bottom | 38107.3787 | 1.044E-06 | 2.186E-06 | -1.307E-05 | 457287.1163 |
| 5F RF | Earthquake+x | LinStatic | | Top | 0 | -4004.6109 | 2.203E-06 | 50827.2549 | -0.0001 |
| 5F RF | Earthquake+x | LinStatic | | Bottom | 0 | -4006.8862 | 2.203E-06 | 50840.7957 | -0.0001 |
| 5F RF | Earthquake+y | LinStatic | | Top | -1.913E-06 | -8.12E-07 | -4004.6109 | -66234.1802 | 91536.9896 |
| 5F RF | Earthquake+y | LinStatic | | Bottom | -1.88E-06 | -8.102E-07 | -4006.8862 | -66277.8503 | 105556.882 |
| 5F RF | TH-X Load Case | LinModHist | Max | Top | 6.295E-07 | 3033.9088 | 1051.1096 | 53613.7281 | 12680.4202 |
| 5F RF | TH-X Load Case | LinModHist | Max | Bottom | 6.337E-07 | 3033.5562 | 1052.6358 | 53601.3337 | 14181.1113 |
| 5F RF | TH-X Load Case | LinModHist | Min | Top | -5.441E-07 | -3638.3258 | -596.1753 | -41966.562 | -22442.8366 |
| 5F RF | TH-X Load Case | LinModHist | Min | Bottom | -5.492E-07 | -3636.732 | -597.7152 | -41966.1732 | -25859.441 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Top | 7.776E-07 | 3871.4297 | 1015.3573 | 66235.1217 | 29109.6607 |
| 5F RF | TH-Y Load Case | LinModHist | Max | Bottom | 7.788E-07 | 3871.3072 | 1016.5478 | 66263.0228 | 33641.5925 |
| 5F RF | TH-Y Load Case | LinModHist | Min | Top | -9.029E-07 | -4533.183 | -1473.7586 | -59047.786 | -25131.128 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 5F RF | TH-Y Load Case | LinModHist | Min | Bottom | -9.028E-07 | -4535.0036 | -1475.7072 | -59046.0415 | -28475.2241 |
| 5F RF | UDCon11 | Combination | | Top | 199797.6741 | 7.411E-06 | 1.208E-05 | -0.0001 | 2418481.5822 |
| 5F RF | UDCon11 | Combination | | Bottom | 205273.0299 | 7.407E-06 | 1.232E-05 | -0.0001 | 2479207.4849 |
| 5F RF | UDCon12 | Combination | | Top | 211751.0524 | 8.209E-06 | 1.278E-05 | -0.0001 | 2564753.5114 |
| 5F RF | UDCon12 | Combination | | Bottom | 217277.1299 | 8.205E-06 | 1.304E-05 | -0.0001 | 2625833.1506 |
| 5F RF | UDCon13 | Combination | Max | Top | 150388.9528 | 3033.9088 | 1051.1096 | 53613.728 | 1833402.6447 |
| 5F RF | UDCon13 | Combination | Max | Bottom | 154454.9162 | 3033.5562 | 1052.6358 | 53601.3336 | 1879956.2333 |
| 5F RF | UDCon13 | Combination | Min | Top | 150388.9528 | -3638.3258 | -596.1753 | -41966.562 | 1798279.3879 |
| 5F RF | UDCon13 | Combination | Min | Bottom | 154454.9162 | -3636.732 | -597.7152 | -41966.1733 | 1839915.681 |
| 5F RF | UDCon14 | Combination | Max | Top | 150388.9528 | 3638.3259 | 596.1753 | 41966.5619 | 1843165.0611 |
| 5F RF | UDCon14 | Combination | Max | Bottom | 154454.9162 | 3636.732 | 597.7152 | 41966.1731 | 1891634.563 |
| 5F RF | UDCon14 | Combination | Min | Top | 150388.9528 | -3033.9088 | -1051.1096 | -53613.7281 | 1808041.8043 |
| 5F RF | UDCon14 | Combination | Min | Bottom | 154454.9162 | -3033.5561 | -1052.6358 | -53601.3337 | 1851594.0107 |
| 5F RF | UDCon15 | Combination | Max | Top | 150388.9528 | 3871.4297 | 1015.3573 | 66235.1216 | 1849831.8852 |
| 5F RF | UDCon15 | Combination | Max | Bottom | 154454.9162 | 3871.3072 | 1016.5478 | 66263.0227 | 1899416.7144 |
| 5F RF | UDCon15 | Combination | Min | Top | 150388.9528 | -4533.183 | -1473.7586 | -59047.7861 | 1795591.0965 |
| 5F RF | UDCon15 | Combination | Min | Bottom | 154454.9162 | -4535.0036 | -1475.7072 | -59046.0416 | 1837299.8979 |
| 5F RF | UDCon16 | Combination | Max | Top | 150388.9528 | 4533.1831 | 1473.7587 | 59047.7859 | 1845853.3525 |
| 5F RF | UDCon16 | Combination | Max | Bottom | 154454.9162 | 4535.0036 | 1475.7072 | 59046.0414 | 1894250.3461 |
| 5F RF | UDCon16 | Combination | Min | Top | 150388.9528 | -3871.4297 | -1015.3573 | -66235.1218 | 1791612.5638 |
| 5F RF | UDCon16 | Combination | Min | Bottom | 154454.9162 | -3871.3072 | -1016.5478 | -66263.0229 | 1832133.5295 |
| 5F RF | UDCon17 | Combination | Max | Top | 147998.2771 | 3033.9088 | 1051.1096 | 53613.728 | 1804148.2588 |
| 5F RF | UDCon17 | Combination | Max | Bottom | 152054.0962 | 3033.5562 | 1052.6358 | 53601.3336 | 1850631.1002 |
| 5F RF | UDCon17 | Combination | Min | Top | 147998.2771 | -3638.3258 | -596.1753 | -41966.562 | 1769025.0021 |
| 5F RF | UDCon17 | Combination | Min | Bottom | 152054.0962 | -3636.732 | -597.7152 | -41966.1733 | 1810590.5478 |
| 5F RF | UDCon18 | Combination | Max | Top | 147998.2771 | 3638.3259 | 596.1753 | 41966.5619 | 1813910.6752 |
| 5F RF | UDCon18 | Combination | Max | Bottom | 152054.0962 | 3636.732 | 597.7152 | 41966.1731 | 1862309.4298 |
| 5F RF | UDCon18 | Combination | Min | Top | 147998.2771 | -3033.9088 | -1051.1096 | -53613.7281 | 1778787.4185 |
| 5F RF | UDCon18 | Combination | Min | Bottom | 152054.0962 | -3033.5561 | -1052.6358 | -53601.3337 | 1822268.8775 |
| 5F RF | UDCon19 | Combination | Max | Top | 147998.2771 | 3871.4297 | 1015.3573 | 66235.1216 | 1820577.4994 |
| 5F RF | UDCon19 | Combination | Max | Bottom | 152054.0962 | 3871.3072 | 1016.5478 | 66263.0227 | 1870091.5813 |
| 5F RF | UDCon19 | Combination | Min | Top | 147998.2771 | -4533.183 | -1473.7586 | -59047.7861 | 1766336.7107 |
| 5F RF | UDCon19 | Combination | Min | Bottom | 152054.0962 | -4535.0036 | -1475.7072 | -59046.0416 | 1807974.7648 |
| 5F RF | UDCon20 | Combination | Max | Top | 147998.2771 | 4533.1831 | 1473.7587 | 59047.7859 | 1816598.9666 |
| 5F RF | UDCon20 | Combination | Max | Bottom | 152054.0962 | 4535.0036 | 1475.7072 | 59046.0414 | 1864925.2129 |
| 5F RF | UDCon20 | Combination | Min | Top | 147998.2771 | -3871.4297 | -1015.3573 | -66235.1218 | 1762358.1779 |
| 5F RF | UDCon20 | Combination | Min | Bottom | 152054.0962 | -3871.3072 | -1016.5478 | -66263.0229 | 1802808.3964 |
| 4F RF | Dead | LinStatic | | Top | 74323.8389 | 3.562E-06 | 4.522E-06 | -0.0001 | 902801.5 |
| 4F RF | Dead | LinStatic | | Bottom | 76034.1386 | 3.559E-06 | 4.571E-06 | -4.961E-05 | 922057.886 |
| 4F RF | Live | LinStatic | | Top | 8635.8133 | 5.827E-07 | 0 | -8.432E-06 | 105660.4898 |
| 4F RF | Live | LinStatic | | Bottom | 8669.6278 | 5.824E-07 | 0 | -8.336E-06 | 105896.3141 |
| 4F RF | FF | LinStatic | | Top | 46233.0389 | 1.506E-06 | 2.576E-06 | -2.041E-05 | 559159.2399 |
| 4F RF | FF | LinStatic | | Bottom | 47408.1386 | 1.504E-06 | 2.606E-06 | -1.984E-05 | 572035.226 |
| 4F RF | PW | LinStatic | | Top | 40112.5739 | 1.22E-06 | 2.24E-06 | -1.6E-05 | 482544.5979 |
| 4F RF | PW | LinStatic | | Bottom | 41282.9936 | 1.218E-06 | 2.267E-06 | -1.549E-05 | 495394.376 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 4F RF | Earthquake+x | LinStatic | | Top | 0 | -4135.1985 | 2.192E-06 | 52504.4784 | -0.0001 |
| 4F RF | Earthquake+x | LinStatic | | Bottom | 0 | -4137.0187 | 2.194E-06 | 52515.311 | -0.0001 |
| 4F RF | Earthquake+y | LinStatic | | Top | -1.821E-06 | -1.545E-06 | -4135.1985 | -68433.9395 | 105556.882 |
| 4F RF | Earthquake+y | LinStatic | | Bottom | -1.763E-06 | -1.542E-06 | -4137.0187 | -68468.8756 | 120033.0799 |
| 4F RF | TH-X Load Case | LinModHist | Max | Top | 6.189E-07 | 3090.5534 | 1145.3298 | 51291.4523 | 14181.1113 |
| 4F RF | TH-X Load Case | LinModHist | Max | Bottom | 6.218E-07 | 3092.3924 | 1146.9596 | 51269.7108 | 15550.1323 |
| 4F RF | TH-X Load Case | LinModHist | Min | Top | -5.045E-07 | -3475.2481 | -676.0418 | -43081.3351 | -25859.441 |
| 4F RF | TH-X Load Case | LinModHist | Min | Bottom | -5.109E-07 | -3472.5196 | -677.7096 | -43085.1863 | -29424.909 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Top | 7.692E-07 | 3820.0649 | 1131.2196 | 68916.876 | 33641.5925 |
| 4F RF | TH-Y Load Case | LinModHist | Max | Bottom | 7.79E-07 | 3818.7314 | 1133.221 | 68935.3929 | 38849.3604 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Top | -8.419E-07 | -4669.5727 | -1563.0463 | -58045.4885 | -28475.2241 |
| 4F RF | TH-Y Load Case | LinModHist | Min | Bottom | -8.396E-07 | -4670.0395 | -1564.9932 | -58035.5269 | -31747.7445 |
| 4F RF | UDCon11 | Combination | | Top | 216903.76 | 8.488E-06 | 1.261E-05 | -0.0001 | 2625082.206 |
| 4F RF | UDCon11 | Combination | | Bottom | 222379.1157 | 8.479E-06 | 1.275E-05 | -0.0001 | 2685808.1088 |
| 4F RF | UDCon12 | Combination | | Top | 229857.4799 | 9.362E-06 | 1.334E-05 | -0.0001 | 2783572.9407 |
| 4F RF | UDCon12 | Combination | | Bottom | 235383.5573 | 9.353E-06 | 1.349E-05 | -0.0001 | 2844652.5799 |
| 4F RF | UDCon13 | Combination | Max | Top | 163260.1958 | 3090.5534 | 1145.3298 | 51291.4522 | 1990384.5961 |
| 4F RF | UDCon13 | Combination | Max | Bottom | 167326.1592 | 3092.3924 | 1146.9596 | 51269.7107 | 2036806.5145 |
| 4F RF | UDCon13 | Combination | Min | Top | 163260.1958 | -3475.2481 | -676.0418 | -43081.3352 | 1950344.0437 |
| 4F RF | UDCon13 | Combination | Min | Bottom | 167326.1592 | -3472.5196 | -677.7096 | -43085.1864 | 1991831.4732 |
| 4F RF | UDCon14 | Combination | Max | Top | 163260.1958 | 3475.2481 | 676.0418 | 43081.335 | 2002062.9257 |
| 4F RF | UDCon14 | Combination | Max | Bottom | 167326.1592 | 3472.5197 | 677.7096 | 43085.1863 | 2050681.2912 |
| 4F RF | UDCon14 | Combination | Min | Top | 163260.1958 | -3090.5534 | -1145.3298 | -51291.4524 | 1962022.3734 |
| 4F RF | UDCon14 | Combination | Min | Bottom | 167326.1592 | -3092.3924 | -1146.9595 | -51269.7108 | 2005706.2499 |
| 4F RF | UDCon15 | Combination | Max | Top | 163260.1958 | 3820.0649 | 1131.2196 | 68916.8759 | 2009845.0772 |
| 4F RF | UDCon15 | Combination | Max | Bottom | 167326.1592 | 3818.7314 | 1133.221 | 68935.3928 | 2060105.7426 |
| 4F RF | UDCon15 | Combination | Min | Top | 163260.1958 | -4669.5727 | -1563.0463 | -58045.4885 | 1947728.2606 |
| 4F RF | UDCon15 | Combination | Min | Bottom | 167326.1592 | -4670.0395 | -1564.9932 | -58035.527 | 1989508.6377 |
| 4F RF | UDCon16 | Combination | Max | Top | 163260.1958 | 4669.5727 | 1563.0463 | 58045.4884 | 2004678.7088 |
| 4F RF | UDCon16 | Combination | Max | Bottom | 167326.1592 | 4670.0395 | 1564.9932 | 58035.5268 | 2053004.1267 |
| 4F RF | UDCon16 | Combination | Min | Top | 163260.1958 | -3820.0649 | -1131.2196 | -68916.8761 | 1942561.8923 |
| 4F RF | UDCon16 | Combination | Min | Bottom | 167326.1592 | -3818.7314 | -1133.221 | -68935.393 | 1982407.0218 |
| 4F RF | UDCon17 | Combination | Max | Top | 160669.4518 | 3090.5534 | 1145.3298 | 51291.4522 | 1958686.4491 |
| 4F RF | UDCon17 | Combination | Max | Bottom | 164725.2709 | 3092.3924 | 1146.9596 | 51269.7107 | 2005037.6203 |
| 4F RF | UDCon17 | Combination | Min | Top | 160669.4518 | -3475.2481 | -676.0418 | -43081.3352 | 1918645.8968 |
| 4F RF | UDCon17 | Combination | Min | Bottom | 164725.2709 | -3472.5196 | -677.7096 | -43085.1864 | 1960062.579 |
| 4F RF | UDCon18 | Combination | Max | Top | 160669.4518 | 3475.2481 | 676.0418 | 43081.335 | 1970364.7788 |
| 4F RF | UDCon18 | Combination | Max | Bottom | 164725.2709 | 3472.5197 | 677.7096 | 43085.1863 | 2018912.397 |
| 4F RF | UDCon18 | Combination | Min | Top | 160669.4518 | -3090.5534 | -1145.3298 | -51291.4524 | 1930324.2264 |
| 4F RF | UDCon18 | Combination | Min | Bottom | 164725.2709 | -3092.3924 | -1146.9595 | -51269.7108 | 1973937.3557 |
| 4F RF | UDCon19 | Combination | Max | Top | 160669.4518 | 3820.0649 | 1131.2196 | 68916.8759 | 1978146.9302 |
| 4F RF | UDCon19 | Combination | Max | Bottom | 164725.2709 | 3818.7314 | 1133.221 | 68935.3928 | 2028336.8484 |
| 4F RF | UDCon19 | Combination | Min | Top | 160669.4518 | -4669.5727 | -1563.0463 | -58045.4885 | 1916030.1137 |
| 4F RF | UDCon19 | Combination | Min | Bottom | 164725.2709 | -4670.0395 | -1564.9932 | -58035.527 | 1957739.7434 |
| 4F RF | UDCon20 | Combination | Max | Top | 160669.4518 | 4669.5727 | 1563.0463 | 58045.4884 | 1972980.5619 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 4F RF | UDCon20 | Combination | Max | Bottom | 164725.2709 | 4670.0395 | 1564.9932 | 58035.5268 | 2021235.2325 |
| 4F RF | UDCon20 | Combination | Min | Top | 160669.4518 | -3820.0649 | -1131.2196 | -68916.8761 | 1910863.7453 |
| 4F RF | UDCon20 | Combination | Min | Bottom | 164725.2709 | -3818.7314 | -1133.221 | -68935.393 | 1950638.1275 |
| 3F RF | Dead | LinStatic | | Top | 80172.6188 | 3.449E-06 | 4.836E-06 | -4.585E-05 | 973729.0297 |
| 3F RF | Dead | LinStatic | | Bottom | 81882.9185 | 3.447E-06 | 4.87E-06 | -4.52E-05 | 992985.4157 |
| 3F RF | Live | LinStatic | | Top | 9302.7078 | 5.72E-07 | 5.14E-07 | -8.009E-06 | 113806.3601 |
| 3F RF | Live | LinStatic | | Bottom | 9336.5222 | 5.718E-07 | 5.174E-07 | -7.941E-06 | 114042.1844 |
| 3F RF | FF | LinStatic | | Top | 49879.8188 | 1.475E-06 | 2.763E-06 | -1.816E-05 | 603161.9496 |
| 3F RF | FF | LinStatic | | Bottom | 51054.9185 | 1.474E-06 | 2.783E-06 | -1.777E-05 | 616037.9357 |
| 3F RF | PW | LinStatic | | Top | 43288.1888 | 1.184E-06 | 2.422E-06 | -1.372E-05 | 520651.8576 |
| 3F RF | PW | LinStatic | | Bottom | 44458.6085 | 1.183E-06 | 2.44E-06 | -1.337E-05 | 533501.6357 |
| 3F RF | Earthquake+x | LinStatic | | Top | 0 | -4233.2529 | 8.387E-07 | 53763.0729 | -0.0001 |
| 3F RF | Earthquake+x | LinStatic | | Bottom | 0 | -4234.6181 | 8.448E-07 | 53771.1974 | -0.0001 |
| 3F RF | Earthquake+y | LinStatic | | Top | -2.014E-06 | -1.184E-06 | -4233.2529 | -70085.9425 | 120033.0799 |
| 3F RF | Earthquake+y | LinStatic | | Bottom | -1.949E-06 | -1.183E-06 | -4234.6181 | -70112.1446 | 134851.7176 |
| 3F RF | TH-X Load Case | LinModHist | Max | Top | 6.679E-07 | 3305.8414 | 1237.6949 | 50690.8102 | 15550.1323 |
| 3F RF | TH-X Load Case | LinModHist | Max | Bottom | 6.735E-07 | 3307.4178 | 1239.4157 | 50704.0018 | 16837.3645 |
| 3F RF | TH-X Load Case | LinModHist | Min | Top | -5.324E-07 | -3323.2288 | -754.1335 | -47269.8549 | -29424.909 |
| 3F RF | TH-X Load Case | LinModHist | Min | Bottom | -5.418E-07 | -3322.5025 | -755.913 | -47309.2738 | -33129.8285 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Top | 8.302E-07 | 3678.8386 | 1250.355 | 70452.9436 | 38849.3604 |
| 3F RF | TH-Y Load Case | LinModHist | Max | Bottom | 8.452E-07 | 3676.4646 | 1252.4369 | 70462.8598 | 44596.2276 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Top | -9.027E-07 | -4714.6108 | -1641.0475 | -57243.828 | -31747.7445 |
| 3F RF | TH-Y Load Case | LinModHist | Min | Bottom | -9.015E-07 | -4713.8412 | -1642.9874 | -57263.3539 | -34906.9176 |
| 3F RF | UDCon11 | Combination | | Top | 234009.8458 | 8.246E-06 | 1.353E-05 | -0.0001 | 2831682.8298 |
| 3F RF | UDCon11 | Combination | | Bottom | 239485.2015 | 8.24E-06 | 1.363E-05 | -0.0001 | 2892408.7325 |
| 3F RF | UDCon12 | Combination | | Top | 247963.9074 | 9.104E-06 | 1.43E-05 | -0.0001 | 3002392.37 |
| 3F RF | UDCon12 | Combination | | Bottom | 253489.9848 | 9.098E-06 | 1.44E-05 | -0.0001 | 3063472.0092 |
| 3F RF | UDCon13 | Combination | Max | Top | 176131.4388 | 3305.8414 | 1237.6949 | 50690.8101 | 2147234.8772 |
| 3F RF | UDCon13 | Combination | Max | Bottom | 180197.4022 | 3307.4178 | 1239.4158 | 50704.0017 | 2193575.0068 |
| 3F RF | UDCon13 | Combination | Min | Top | 176131.4388 | -3323.2288 | -754.1334 | -47269.855 | 2102259.8359 |
| 3F RF | UDCon13 | Combination | Min | Bottom | 180197.4022 | -3322.5025 | -755.913 | -47309.2739 | 2143607.8139 |
| 3F RF | UDCon14 | Combination | Max | Top | 176131.4388 | 3323.2288 | 754.1335 | 47269.8548 | 2161109.6539 |
| 3F RF | UDCon14 | Combination | Max | Bottom | 180197.4022 | 3322.5025 | 755.913 | 47309.2737 | 2209867.4709 |
| 3F RF | UDCon14 | Combination | Min | Top | 176131.4388 | -3305.8413 | -1237.6949 | -50690.8103 | 2116134.6126 |
| 3F RF | UDCon14 | Combination | Min | Bottom | 180197.4022 | -3307.4178 | -1239.4157 | -50704.0019 | 2159900.2779 |
| 3F RF | UDCon15 | Combination | Max | Top | 176131.4388 | 3678.8386 | 1250.355 | 70452.9435 | 2170534.1053 |
| 3F RF | UDCon15 | Combination | Max | Bottom | 180197.4022 | 3676.4646 | 1252.4369 | 70462.8598 | 2221333.8699 |
| 3F RF | UDCon15 | Combination | Min | Top | 176131.4388 | -4714.6108 | -1641.0475 | -57243.8281 | 2099937.0004 |
| 3F RF | UDCon15 | Combination | Min | Bottom | 180197.4022 | -4713.8412 | -1642.9874 | -57263.354 | 2141830.7248 |
| 3F RF | UDCon16 | Combination | Max | Top | 176131.4388 | 4714.6108 | 1641.0475 | 57243.8279 | 2163432.4894 |
| 3F RF | UDCon16 | Combination | Max | Bottom | 180197.4022 | 4713.8412 | 1642.9874 | 57263.3539 | 2211644.5599 |
| 3F RF | UDCon16 | Combination | Min | Top | 176131.4388 | -3678.8386 | -1250.355 | -70452.9437 | 2092835.3845 |
| 3F RF | UDCon16 | Combination | Min | Bottom | 180197.4022 | -3676.4646 | -1252.4369 | -70462.8599 | 2132141.4148 |
| 3F RF | UDCon17 | Combination | Max | Top | 173340.6265 | 3305.8414 | 1237.6949 | 50690.8101 | 2113092.9692 |
| 3F RF | UDCon17 | Combination | Max | Bottom | 177396.4456 | 3307.4178 | 1239.4158 | 50704.0017 | 2159362.3515 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 3F RF | UDCon17 | Combination | Min | Top | 173340.6265 | -3323.2288 | -754.1334 | -47269.855 | 2068117.9279 |
| 3F RF | UDCon17 | Combination | Min | Bottom | 177396.4456 | -3322.5025 | -755.913 | -47309.2739 | 2109395.1585 |
| 3F RF | UDCon18 | Combination | Max | Top | 173340.6265 | 3323.2288 | 754.1335 | 47269.8548 | 2126967.7458 |
| 3F RF | UDCon18 | Combination | Max | Bottom | 177396.4456 | 3322.5025 | 755.913 | 47309.2737 | 2175654.8156 |
| 3F RF | UDCon18 | Combination | Min | Top | 173340.6265 | -3305.8413 | -1237.6949 | -50690.8103 | 2081992.7046 |
| 3F RF | UDCon18 | Combination | Min | Bottom | 177396.4456 | -3307.4178 | -1239.4157 | -50704.0019 | 2125687.6226 |
| 3F RF | UDCon19 | Combination | Max | Top | 173340.6265 | 3678.8386 | 1250.355 | 70452.9435 | 2136392.1973 |
| 3F RF | UDCon19 | Combination | Max | Bottom | 177396.4456 | 3676.4646 | 1252.4369 | 70462.8598 | 2187121.2146 |
| 3F RF | UDCon19 | Combination | Min | Top | 173340.6265 | -4714.6108 | -1641.0475 | -57243.828 | 2065795.0923 |
| 3F RF | UDCon19 | Combination | Min | Bottom | 177396.4456 | -4713.8412 | -1642.9874 | -57263.354 | 2107618.0695 |
| 3F RF | UDCon20 | Combination | Max | Top | 173340.6265 | 4714.6108 | 1641.0475 | 57243.8279 | 2129290.5814 |
| 3F RF | UDCon20 | Combination | Max | Bottom | 177396.4456 | 4713.8412 | 1642.9874 | 57263.3539 | 2177431.9046 |
| 3F RF | UDCon20 | Combination | Min | Top | 173340.6265 | -3678.8386 | -1250.355 | -70452.9437 | 2058693.4764 |
| 3F RF | UDCon20 | Combination | Min | Bottom | 177396.4456 | -3676.4646 | -1252.4369 | -70462.8599 | 2097928.7595 |
| 2F RF | Dead | LinStatic | | Top | 85924.9272 | 3.141E-06 | 4.885E-06 | -3.956E-05 | 1043233.2735 |
| 2F RF | Dead | LinStatic | | Bottom | 87670.2166 | 3.141E-06 | 4.943E-06 | -3.846E-05 | 1062920.0324 |
| 2F RF | Live | LinStatic | | Top | 9969.6022 | 5.413E-07 | 5.196E-07 | -7.362E-06 | 121952.2304 |
| 2F RF | Live | LinStatic | | Bottom | 10003.4166 | 5.412E-07 | 5.258E-07 | -7.243E-06 | 122188.0548 |
| 2F RF | FF | LinStatic | | Top | 53430.1272 | 1.314E-06 | 2.794E-06 | -1.466E-05 | 645741.3735 |
| 2F RF | FF | LinStatic | | Bottom | 54640.2166 | 1.314E-06 | 2.827E-06 | -1.404E-05 | 659047.7324 |
| 2F RF | PW | LinStatic | | Top | 46367.3322 | 1.037E-06 | 2.448E-06 | -1.058E-05 | 557335.8314 |
| 2F RF | PW | LinStatic | | Bottom | 47572.7416 | 1.036E-06 | 2.477E-06 | -1.003E-05 | 570615.9824 |
| 2F RF | Earthquake+x | LinStatic | | Top | 6.267E-07 | -4297.156 | 1.098E-06 | 54569.2739 | -0.0001 |
| 2F RF | Earthquake+x | LinStatic | | Bottom | 6.382E-07 | -4298.0661 | 1.101E-06 | 54574.6902 | -0.0001 |
| 2F RF | Earthquake+y | LinStatic | | Top | -2.146E-06 | -9.748E-07 | -4297.156 | -71165.5238 | 134851.7176 |
| 2F RF | Earthquake+y | LinStatic | | Bottom | -2.122E-06 | -9.744E-07 | -4298.0661 | -71182.9918 | 149893.2653 |
| 2F RF | TH-X Load Case | LinModHist | Max | Top | 8.209E-07 | 3470.2541 | 1340.8361 | 51421.5239 | 16837.3645 |
| 2F RF | TH-X Load Case | LinModHist | Max | Bottom | 8.277E-07 | 3470.8564 | 1342.5905 | 51430.9478 | 19015.4425 |
| 2F RF | TH-X Load Case | LinModHist | Min | Top | -6.787E-07 | -3303.8429 | -830.5352 | -51292.7831 | -33129.8285 |
| 2F RF | TH-X Load Case | LinModHist | Min | Bottom | -6.87E-07 | -3305.3006 | -832.4301 | -51329.4941 | -36965.9602 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Top | 9.975E-07 | 3467.3389 | 1368.3855 | 70942.9939 | 44596.2275 |
| 2F RF | TH-Y Load Case | LinModHist | Max | Bottom | 1.007E-06 | 3464.0997 | 1370.5307 | 70945.7587 | 50584.1483 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Top | -1.086E-06 | -4765.789 | -1709.9035 | -59124.1778 | -34906.9176 |
| 2F RF | TH-Y Load Case | LinModHist | Min | Bottom | -1.091E-06 | -4770.4261 | -1711.8784 | -59139.5462 | -37921.9217 |
| 2F RF | UDCon11 | Combination | | Top | 250725.222 | 7.414E-06 | 1.367E-05 | -0.0001 | 3032519.1458 |
| 2F RF | UDCon11 | Combination | | Bottom | 256342.2859 | 7.413E-06 | 1.383E-05 | -0.0001 | 3094988.0587 |
| 2F RF | UDCon12 | Combination | | Top | 265679.6253 | 8.226E-06 | 1.445E-05 | -0.0001 | 3215447.4915 |
| 2F RF | UDCon12 | Combination | | Bottom | 271347.4109 | 8.225E-06 | 1.462E-05 | -0.0001 | 3278270.1409 |
| 2F RF | UDCon13 | Combination | Max | Top | 188713.2673 | 3470.2541 | 1340.8362 | 51421.5238 | 2299733.512 |
| 2F RF | UDCon13 | Combination | Max | Bottom | 192884.1997 | 3470.8564 | 1342.5905 | 51430.9477 | 2348255.6062 |
| 2F RF | UDCon13 | Combination | Min | Top | 188713.2673 | -3303.8429 | -830.5352 | -51292.7831 | 2249766.319 |
| 2F RF | UDCon13 | Combination | Min | Bottom | 192884.1997 | -3305.3006 | -832.43 | -51329.4942 | 2292274.2034 |
| 2F RF | UDCon14 | Combination | Max | Top | 188713.2673 | 3303.8429 | 830.5352 | 51292.783 | 2316025.976 |
| 2F RF | UDCon14 | Combination | Max | Bottom | 192884.1997 | 3305.3006 | 832.4301 | 51329.4941 | 2366206.1238 |
| 2F RF | UDCon14 | Combination | Min | Top | 188713.2673 | -3470.2541 | -1340.8361 | -51421.524 | 2266058.7831 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|----------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 2F RF | UDCon14 | Combination | Min | Bottom | 192884.1997 | -3470.8564 | -1342.5905 | -51430.9478 | 2310224.7211 |
| 2F RF | UDCon15 | Combination | Max | Top | 188713.2673 | 3467.3389 | 1368.3855 | 70942.9938 | 2327492.3751 |
| 2F RF | UDCon15 | Combination | Max | Bottom | 192884.1997 | 3464.0997 | 1370.5307 | 70945.7586 | 2379824.312 |
| 2F RF | UDCon15 | Combination | Min | Top | 188713.2673 | -4765.7889 | -1709.9035 | -59124.1779 | 2247989.23 |
| 2F RF | UDCon15 | Combination | Min | Bottom | 192884.1997 | -4770.4261 | -1711.8784 | -59139.5463 | 2291318.2419 |
| 2F RF | UDCon16 | Combination | Max | Top | 188713.2673 | 4765.789 | 1709.9035 | 59124.1777 | 2317803.0651 |
| 2F RF | UDCon16 | Combination | Max | Bottom | 192884.1997 | 4770.4261 | 1711.8784 | 59139.5462 | 2367162.0853 |
| 2F RF | UDCon16 | Combination | Min | Top | 188713.2673 | -3467.3389 | -1368.3855 | -70942.994 | 2238299.92 |
| 2F RF | UDCon16 | Combination | Min | Bottom | 192884.1997 | -3464.0997 | -1370.5307 | -70945.7587 | 2278656.0153 |
| 2F RF | UDCon17 | Combination | Max | Top | 185722.3867 | 3470.2541 | 1340.8362 | 51421.5238 | 2263147.8428 |
| 2F RF | UDCon17 | Combination | Max | Bottom | 189883.1748 | 3470.8564 | 1342.5905 | 51430.9477 | 2311599.1897 |
| 2F RF | UDCon17 | Combination | Min | Top | 185722.3867 | -3303.8429 | -830.5352 | -51292.7831 | 2213180.6499 |
| 2F RF | UDCon17 | Combination | Min | Bottom | 189883.1748 | -3305.3006 | -832.43 | -51329.4942 | 2255617.787 |
| 2F RF | UDCon18 | Combination | Max | Top | 185722.3867 | 3303.8429 | 830.5352 | 51292.783 | 2279440.3069 |
| 2F RF | UDCon18 | Combination | Max | Bottom | 189883.1748 | 3305.3006 | 832.4301 | 51329.4941 | 2329549.7074 |
| 2F RF | UDCon18 | Combination | Min | Top | 185722.3867 | -3470.2541 | -1340.8361 | -51421.524 | 2229473.1139 |
| 2F RF | UDCon18 | Combination | Min | Bottom | 189883.1748 | -3470.8564 | -1342.5905 | -51430.9478 | 2273568.3047 |
| 2F RF | UDCon19 | Combination | Max | Top | 185722.3867 | 3467.3389 | 1368.3855 | 70942.9938 | 2290906.7059 |
| 2F RF | UDCon19 | Combination | Max | Bottom | 189883.1748 | 3464.0997 | 1370.5307 | 70945.7586 | 2343167.8955 |
| 2F RF | UDCon19 | Combination | Min | Top | 185722.3867 | -4765.7889 | -1709.9035 | -59124.1779 | 2211403.5608 |
| 2F RF | UDCon19 | Combination | Min | Bottom | 189883.1748 | -4770.4261 | -1711.8784 | -59139.5463 | 2254661.8255 |
| 2F RF | UDCon20 | Combination | Max | Top | 185722.3867 | 4765.789 | 1709.9035 | 59124.1777 | 2281217.3959 |
| 2F RF | UDCon20 | Combination | Max | Bottom | 189883.1748 | 4770.4261 | 1711.8784 | 59139.5462 | 2330505.6689 |
| 2F RF | UDCon20 | Combination | Min | Top | 185722.3867 | -3467.3389 | -1368.3855 | -70942.994 | 2201714.2508 |
| 2F RF | UDCon20 | Combination | Min | Bottom | 189883.1748 | -3464.0997 | -1370.5307 | -70945.7587 | 2241999.5989 |
| 1F RF | Dead | LinStatic | | Top | 91817.1193 | 3.144E-06 | 5.237E-06 | -3.456E-05 | 1114498.6071 |
| 1F RF | Dead | LinStatic | | Bottom | 92961.0238 | 3.144E-06 | 5.241E-06 | -3.45E-05 | 1126909.0466 |
| 1F RF | Live | LinStatic | | Top | 10636.4966 | 5.434E-07 | 5.562E-07 | -6.866E-06 | 130098.1008 |
| 1F RF | Live | LinStatic | | Bottom | 10670.3111 | 5.434E-07 | 5.566E-07 | -6.86E-06 | 130333.9251 |
| 1F RF | FF | LinStatic | | Top | 57120.3193 | 1.324E-06 | 2.99E-06 | -1.2E-05 | 690081.8871 |
| 1F RF | FF | LinStatic | | Bottom | 57729.0238 | 1.324E-06 | 2.992E-06 | -1.196E-05 | 696111.9266 |
| 1F RF | PW | LinStatic | | Top | 49586.3593 | 1.044E-06 | 2.625E-06 | -8.156E-06 | 595780.8951 |
| 1F RF | PW | LinStatic | | Bottom | 50190.3838 | 1.044E-06 | 2.627E-06 | -8.123E-06 | 601784.7266 |
| 1F RF | Earthquake+x | LinStatic | | Top | 7.153E-07 | -4327.5085 | 7.918E-07 | 54950.9334 | -0.0001 |
| 1F RF | Earthquake+x | LinStatic | | Bottom | 7.266E-07 | -4327.9635 | 7.916E-07 | 54953.6416 | -0.0001 |
| 1F RF | Earthquake+y | LinStatic | | Top | -2.112E-06 | -9.066E-07 | -4327.5084 | -71679.5426 | 149893.2653 |
| 1F RF | Earthquake+y | LinStatic | | Bottom | -2.101E-06 | -9.064E-07 | -4327.9635 | -71688.2766 | 165040.2957 |
| 1F RF | TH-X Load Case | LinModHist | Max | Top | 9.014E-07 | 3568.7357 | 1450.5134 | 55330.2511 | 19015.4425 |
| 1F RF | TH-X Load Case | LinModHist | Max | Bottom | 9.085E-07 | 3568.8882 | 1451.6142 | 55382.2595 | 21408.4739 |
| 1F RF | TH-X Load Case | LinModHist | Min | Top | -7.394E-07 | -3367.6222 | -906.3959 | -54582.379 | -36965.9602 |
| 1F RF | TH-X Load Case | LinModHist | Min | Bottom | -7.461E-07 | -3371.764 | -908.0502 | -54648.0339 | -40920.8271 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Top | 1.103E-06 | 4102.3885 | 1479.3453 | 70551.8124 | 50584.1483 |
| 1F RF | TH-Y Load Case | LinModHist | Max | Bottom | 1.113E-06 | 4109.5884 | 1480.4152 | 70541.663 | 56790.9018 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Top | -1.146E-06 | -4991.3822 | -1772.7505 | -64691.9856 | -37921.9217 |
| 1F RF | TH-Y Load Case | LinModHist | Min | Bottom | -1.153E-06 | -4995.1019 | -1774.0394 | -64768.4848 | -41436.6981 |

Table 3.8 - Story Forces (Part 1 of 2, continued)

| Story | Output Case | Case Type | Step Type | Location | P kN | VX kN | VY kN | T kN-m | MX kN-m |
|-------|-------------|-------------|-----------|----------|-------------|------------|------------|-------------|--------------|
| 1F RF | UDCon11 | Combination | | Top | 268007.1272 | 7.442E-06 | 1.465E-05 | -0.0001 | 3240487.8756 |
| 1F RF | UDCon11 | Combination | | Bottom | 271188.5824 | 7.442E-06 | 1.466E-05 | -0.0001 | 3273487.6946 |
| 1F RF | UDCon12 | Combination | | Top | 283961.8721 | 8.257E-06 | 1.548E-05 | -0.0001 | 3435635.0267 |
| 1F RF | UDCon12 | Combination | | Bottom | 287194.049 | 8.257E-06 | 1.55E-05 | -0.0001 | 3468988.5823 |
| 1F RF | UDCon13 | Combination | Max | Top | 201714.7469 | 3568.7357 | 1450.5134 | 55330.251 | 2458406.2621 |
| 1F RF | UDCon13 | Combination | Max | Bottom | 204081.5247 | 3568.8882 | 1451.6142 | 55382.2594 | 2485314.3512 |
| 1F RF | UDCon13 | Combination | Min | Top | 201714.7469 | -3367.6221 | -906.3959 | -54582.379 | 2402424.8594 |
| 1F RF | UDCon13 | Combination | Min | Bottom | 204081.5247 | -3371.764 | -908.0501 | -54648.034 | 2422985.0501 |
| 1F RF | UDCon14 | Combination | Max | Top | 201714.7469 | 3367.6222 | 906.3959 | 54582.3789 | 2476356.7797 |
| 1F RF | UDCon14 | Combination | Max | Bottom | 204081.5247 | 3371.764 | 908.0502 | 54648.0339 | 2504826.7044 |
| 1F RF | UDCon14 | Combination | Min | Top | 201714.7469 | -3568.7357 | -1450.5134 | -55330.2512 | 2420375.377 |
| 1F RF | UDCon14 | Combination | Min | Bottom | 204081.5247 | -3568.8882 | -1451.6142 | -55382.2595 | 2442497.4034 |
| 1F RF | UDCon15 | Combination | Max | Top | 201714.7469 | 4102.3886 | 1479.3453 | 70551.8123 | 2489974.9679 |
| 1F RF | UDCon15 | Combination | Max | Bottom | 204081.5247 | 4109.5884 | 1480.4152 | 70541.6629 | 2520696.779 |
| 1F RF | UDCon15 | Combination | Min | Top | 201714.7469 | -4991.3822 | -1772.7505 | -64691.9857 | 2401468.8979 |
| 1F RF | UDCon15 | Combination | Min | Bottom | 204081.5247 | -4995.1019 | -1774.0394 | -64768.4849 | 2422469.1791 |
| 1F RF | UDCon16 | Combination | Max | Top | 201714.7469 | 4991.3823 | 1772.7505 | 64691.9856 | 2477312.7412 |
| 1F RF | UDCon16 | Combination | Max | Bottom | 204081.5247 | 4995.1019 | 1774.0394 | 64768.4848 | 2505342.5754 |
| 1F RF | UDCon16 | Combination | Min | Top | 201714.7469 | -4102.3885 | -1479.3453 | -70551.8125 | 2388806.6712 |
| 1F RF | UDCon16 | Combination | Min | Bottom | 204081.5247 | -4109.5884 | -1480.4152 | -70541.663 | 2407114.9755 |
| 1F RF | UDCon17 | Combination | Max | Top | 198523.7979 | 3568.7357 | 1450.5134 | 55330.251 | 2419376.8319 |
| 1F RF | UDCon17 | Combination | Max | Bottom | 200880.4314 | 3568.8882 | 1451.6142 | 55382.2594 | 2446214.1737 |
| 1F RF | UDCon17 | Combination | Min | Top | 198523.7979 | -3367.6221 | -906.3959 | -54582.379 | 2363395.4291 |
| 1F RF | UDCon17 | Combination | Min | Bottom | 200880.4314 | -3371.764 | -908.0501 | -54648.034 | 2383884.8726 |
| 1F RF | UDCon18 | Combination | Max | Top | 198523.7979 | 3367.6222 | 906.3959 | 54582.3789 | 2437327.3495 |
| 1F RF | UDCon18 | Combination | Max | Bottom | 200880.4314 | 3371.764 | 908.0502 | 54648.0339 | 2465726.5269 |
| 1F RF | UDCon18 | Combination | Min | Top | 198523.7979 | -3568.7357 | -1450.5134 | -55330.2512 | 2381345.9468 |
| 1F RF | UDCon18 | Combination | Min | Bottom | 200880.4314 | -3568.8882 | -1451.6142 | -55382.2595 | 2403397.2258 |
| 1F RF | UDCon19 | Combination | Max | Top | 198523.7979 | 4102.3885 | 1479.3453 | 70551.8123 | 2450945.5377 |
| 1F RF | UDCon19 | Combination | Max | Bottom | 200880.4314 | 4109.5884 | 1480.4152 | 70541.6629 | 2481596.6015 |
| 1F RF | UDCon19 | Combination | Min | Top | 198523.7979 | -4991.3822 | -1772.7505 | -64691.9857 | 2362439.4676 |
| 1F RF | UDCon19 | Combination | Min | Bottom | 200880.4314 | -4995.1019 | -1774.0394 | -64768.4849 | 2383369.0016 |
| 1F RF | UDCon20 | Combination | Max | Top | 198523.7979 | 4991.3823 | 1772.7505 | 64691.9856 | 2438283.311 |
| 1F RF | UDCon20 | Combination | Max | Bottom | 200880.4314 | 4995.1019 | 1774.0394 | 64768.4848 | 2466242.3979 |
| 1F RF | UDCon20 | Combination | Min | Top | 198523.7979 | -4102.3885 | -1479.3453 | -70551.8125 | 2349777.241 |
| 1F RF | UDCon20 | Combination | Min | Bottom | 200880.4314 | -4109.5884 | -1480.4152 | -70541.663 | 2368014.798 |

Table 3.8 - Story Forces (Part 2 of 2)

| MY kN-m |
|-------------|
| -62994.6547 |
| -91664.9335 |
| -9396.7835 |
| -10045.7378 |
| -36805.4647 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -56686.7035 |
| -29931.7819 |
| -49723.1646 |
| 0 |
| -1485.3791 |
| -5.584E-06 |
| -5.39E-06 |
| 2.114E-06 |
| 1895.8917 |
| -1.306E-06 |
| -2601.1873 |
| 1.402E-06 |
| 1911.8193 |
| -1.795E-06 |
| -2781.4855 |
| -175138.0668 |
| -267400.9823 |
| -189233.242 |
| -282469.589 |
| -132550.9364 |
| -199192.6313 |
| -132550.9364 |
| -203689.7104 |
| -132550.9364 |
| -198487.3357 |
| -132550.9364 |
| -202984.4148 |
| -132550.9364 |
| -199176.7037 |
| -132550.9364 |
| -203870.0085 |
| -132550.9364 |
| -198307.0376 |
| -132550.9364 |
| -203000.3424 |
| -129731.9013 |
| -196178.9099 |
| -129731.9013 |
| -200675.989 |
| -129731.9013 |
| -195473.6143 |
| -129731.9013 |
| -199970.6934 |
| -129731.9013 |
| -196162.9823 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -129731.9013 |
| -200856.2871 |
| -129731.9013 |
| -195293.3162 |
| -129731.9013 |
| -199986.621 |
| -154659.5883 |
| -183329.8671 |
| -19442.5213 |
| -20091.4756 |
| -93492.1683 |
| -113373.407 |
| -79654.9465 |
| -99446.3293 |
| -1485.3791 |
| -4679.589 |
| -7.542E-07 |
| 7.448E-06 |
| 1895.8917 |
| 5726.3328 |
| -2601.1874 |
| -7931.3034 |
| 1911.8193 |
| 5822.9813 |
| -2781.4855 |
| -8438.658 |
| -442539.0491 |
| -534801.9646 |
| -471702.831 |
| -564939.178 |
| -331743.5677 |
| -396450.7133 |
| -336240.6468 |
| -410108.3495 |
| -331038.272 |
| -394245.7427 |
| -335535.3511 |
| -407903.3789 |
| -331727.6401 |
| -396354.0648 |
| -336420.9449 |
| -410615.704 |
| -330857.9739 |
| -393738.3881 |
| -335551.2787 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -408000.0274 |
| -325910.8113 |
| -390423.2706 |
| -330407.8904 |
| -404080.9068 |
| -325205.5157 |
| -388218.3 |
| -329702.5948 |
| -401875.9362 |
| -325894.8837 |
| -390326.6221 |
| -330588.1885 |
| -404588.2614 |
| -325025.2175 |
| -387710.9455 |
| -329718.5224 |
| -401972.5847 |
| -246324.5218 |
| -274994.8006 |
| -29488.2591 |
| -30137.2134 |
| -150178.8718 |
| -170060.1106 |
| -129378.1112 |
| -149169.4939 |
| -4679.589 |
| -9468.764 |
| 1.943E-05 |
| 3.026E-05 |
| 5726.3328 |
| 11099.0138 |
| -7931.3034 |
| -15520.1052 |
| 5822.9813 |
| 11503.3359 |
| -8438.658 |
| -16415.2744 |
| -709940.0314 |
| -802202.9469 |
| -754172.42 |
| -847408.767 |
| -529001.6497 |
| -592166.5553 |
| -542659.2859 |
| -618785.6743 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -526796.6791 |
| -587745.464 |
| -540454.3153 |
| -614364.5829 |
| -528905.0012 |
| -591762.2333 |
| -543166.6404 |
| -619680.8436 |
| -526289.3245 |
| -586850.2947 |
| -540550.9637 |
| -614768.905 |
| -520155.1719 |
| -583125.3913 |
| -533812.8082 |
| -609744.5103 |
| -517950.2013 |
| -578704.2999 |
| -531607.8376 |
| -605323.4189 |
| -520058.5235 |
| -582721.0692 |
| -534320.1627 |
| -610639.6796 |
| -517442.8468 |
| -577809.1307 |
| -531704.486 |
| -605727.741 |
| -337989.4553 |
| -366659.7341 |
| -39533.9969 |
| -40182.9512 |
| -206865.5753 |
| -226746.8141 |
| -179101.2758 |
| -198892.6586 |
| -9468.764 |
| -15739.0381 |
| 3.249E-05 |
| 1.89E-05 |
| 11099.0138 |
| 17626.933 |
| -15520.1052 |
| -24889.6963 |
| 11503.3359 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| 18653.9339 |
| -16415.2744 |
| -26152.9959 |
| -977341.0137 |
| -1069604 |
| -1036642 |
| -1129878 |
| -724717.4917 |
| -786727.1591 |
| -751336.6107 |
| -829243.7884 |
| -720296.4003 |
| -779464.3959 |
| -746915.5193 |
| -821981.0252 |
| -724313.1696 |
| -785700.1583 |
| -752231.7799 |
| -830507.088 |
| -719401.2311 |
| -778201.0962 |
| -747319.8414 |
| -823008.026 |
| -712857.2926 |
| -774672.2737 |
| -739476.4116 |
| -817188.903 |
| -708436.2013 |
| -767409.5105 |
| -735055.3202 |
| -809926.1398 |
| -712452.9705 |
| -773645.2729 |
| -740371.5809 |
| -818452.2027 |
| -707541.032 |
| -766146.2109 |
| -735459.6423 |
| -810953.1406 |
| -429654.3888 |
| -458324.6676 |
| -49579.7347 |
| -50228.689 |
| -263552.2788 |
| -283433.5176 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -228824.4404 |
| -248615.8232 |
| -15739.0381 |
| -23376.5453 |
| 2.334E-05 |
| 1.742E-05 |
| 17626.933 |
| 24950.4404 |
| -24889.6963 |
| -35568.5538 |
| 18653.9339 |
| 26998.8814 |
| -26152.9959 |
| -37115.0216 |
| -1244742 |
| -1337005 |
| -1319112 |
| -1412348 |
| -919278.0954 |
| -980492.1747 |
| -961794.7247 |
| -1041011 |
| -912015.3322 |
| -969874.0613 |
| -954531.9615 |
| -1030393 |
| -918251.0946 |
| -978443.7337 |
| -963058.0244 |
| -1042558 |
| -910752.0326 |
| -968327.5934 |
| -955558.9623 |
| -1032441 |
| -904404.175 |
| -965423.568 |
| -946920.8043 |
| -1025943 |
| -897141.4118 |
| -954805.4546 |
| -939658.0411 |
| -1015324 |
| -903377.1742 |
| -963375.127 |
| -948184.104 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -1027489 |
| -895878.1122 |
| -953258.9868 |
| -940685.0419 |
| -1017373 |
| -521319.3224 |
| -549989.6011 |
| -59625.4725 |
| -60274.4268 |
| -320238.9823 |
| -340120.2211 |
| -278547.6051 |
| -298338.9879 |
| -23376.5453 |
| -32267.4196 |
| 2.132E-05 |
| 1.17E-05 |
| 24950.4404 |
| 32760.9526 |
| -35568.5538 |
| -47108.935 |
| 26998.8814 |
| 36279.9331 |
| -37115.0216 |
| -48813.1795 |
| -1512143 |
| -1604406 |
| -1601581 |
| -1694818 |
| -1113043 |
| -1173770 |
| -1173562 |
| -1253640 |
| -1102425 |
| -1159422 |
| -1162944 |
| -1239292 |
| -1110995 |
| -1170251 |
| -1175109 |
| -1255344 |
| -1100879 |
| -1157718 |
| -1164992 |
| -1242811 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -1095155 |
| -1155688 |
| -1155674 |
| -1235558 |
| -1084537 |
| -1141340 |
| -1145056 |
| -1221210 |
| -1093107 |
| -1152169 |
| -1157221 |
| -1237262 |
| -1082991 |
| -1139636 |
| -1147105 |
| -1224729 |
| -612984.2559 |
| -641654.5346 |
| -69671.2103 |
| -70320.1645 |
| -376925.6858 |
| -396806.9246 |
| -328270.7697 |
| -348062.1525 |
| -32267.4197 |
| -42297.7952 |
| 7.693E-06 |
| -6.972E-06 |
| 32760.9526 |
| 40827.7361 |
| -47108.935 |
| -59103.8884 |
| 36279.9331 |
| 46266.6922 |
| -48813.1795 |
| -60832.5561 |
| -1779544 |
| -1871807 |
| -1884051 |
| -1977287 |
| -1306321 |
| -1366792 |
| -1386191 |
| -1466724 |
| -1291973 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -1348516 |
| -1371843 |
| -1448447 |
| -1302802 |
| -1361353 |
| -1387895 |
| -1468452 |
| -1290269 |
| -1346787 |
| -1375362 |
| -1453886 |
| -1285420 |
| -1345696 |
| -1365290 |
| -1445628 |
| -1271072 |
| -1327420 |
| -1350942 |
| -1427351 |
| -1281901 |
| -1340257 |
| -1366994 |
| -1447356 |
| -1269368 |
| -1325691 |
| -1354461 |
| -1432790 |
| -704649.1893 |
| -733319.4681 |
| -79716.948 |
| -80365.9023 |
| -433612.3893 |
| -453493.6281 |
| -377993.9343 |
| -397785.3171 |
| -42297.7952 |
| -53353.8061 |
| -1.209E-06 |
| -1.849E-05 |
| 40827.7361 |
| 50765.7802 |
| -59103.8884 |
| -71201.7232 |
| 46266.6922 |
| 56764.506 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -60832.5561 |
| -72850.0288 |
| -2046945 |
| -2139208 |
| -2166520 |
| -2259757 |
| -1499343 |
| -1557942 |
| -1599274 |
| -1679910 |
| -1481067 |
| -1537506 |
| -1580998 |
| -1659474 |
| -1493904 |
| -1551944 |
| -1601003 |
| -1681558 |
| -1479338 |
| -1535858 |
| -1586437 |
| -1665473 |
| -1475428 |
| -1533833 |
| -1575359 |
| -1655800 |
| -1457152 |
| -1513397 |
| -1557083 |
| -1635364 |
| -1469989 |
| -1527834 |
| -1577088 |
| -1657448 |
| -1455423 |
| -1511748 |
| -1562522 |
| -1641363 |
| -796314.1228 |
| -824984.4016 |
| -89762.6858 |
| -90411.6401 |
| -490299.0929 |
| -510180.3316 |
| -427717.099 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -447508.4818 |
| -53353.8061 |
| -65321.5863 |
| -1.374E-05 |
| -2.449E-05 |
| 50765.7802 |
| 61133.8521 |
| -71201.7232 |
| -83116.1742 |
| 56764.5059 |
| 67618.9686 |
| -72850.0288 |
| -84644.0525 |
| -2314346 |
| -2406609 |
| -2448990 |
| -2542226 |
| -1690493 |
| -1748663 |
| -1812461 |
| -1892913 |
| -1670057 |
| -1726681 |
| -1792025 |
| -1870931 |
| -1684495 |
| -1742178 |
| -1814109 |
| -1894441 |
| -1668409 |
| -1725153 |
| -1798024 |
| -1877416 |
| -1663565 |
| -1721539 |
| -1785532 |
| -1865789 |
| -1643129 |
| -1699557 |
| -1765096 |
| -1843807 |
| -1657566 |
| -1715054 |
| -1787180 |
| -1867317 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -1641480 |
| -1698029 |
| -1771095 |
| -1850292 |
| -887979.0564 |
| -916649.3351 |
| -99808.4236 |
| -100457.3779 |
| -546985.7964 |
| -566867.0351 |
| -477440.2636 |
| -497231.6464 |
| -65321.5863 |
| -78087.2698 |
| -1.779E-05 |
| -2.478E-05 |
| 61133.8521 |
| 71722.4412 |
| -83116.1742 |
| -94631.2949 |
| 67618.9686 |
| 78716.5719 |
| -84644.0525 |
| -96094.575 |
| -2581747 |
| -2674010 |
| -2731460 |
| -2824696 |
| -1881214 |
| -1939163 |
| -2025464 |
| -2105517 |
| -1859231 |
| -1916254 |
| -2003481 |
| -2082608 |
| -1874729 |
| -1932169 |
| -2026992 |
| -2106980 |
| -1857704 |
| -1914791 |
| -2009967 |
| -2089602 |
| -1851271 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -1909026 |
| -1995521 |
| -2075379 |
| -1829289 |
| -1886117 |
| -1973539 |
| -2052470 |
| -1844786 |
| -1902031 |
| -1997049 |
| -2076843 |
| -1827761 |
| -1884653 |
| -1980024 |
| -2059465 |
| -979643.9899 |
| -1008314 |
| -109854.1614 |
| -110503.1157 |
| -603672.4999 |
| -623553.7387 |
| -527163.4283 |
| -546954.811 |
| -78087.2698 |
| -91536.9907 |
| -2.175E-05 |
| -2.534E-05 |
| 71722.4412 |
| 82332.1871 |
| -94631.2949 |
| -105600.9283 |
| 78716.5719 |
| 89981.6782 |
| -96094.575 |
| -108141.7365 |
| -2849148 |
| -2941411 |
| -3013929 |
| -3107165 |
| -2071714 |
| -2129642 |
| -2238067 |
| -2317575 |
| -2048805 |
| -2106373 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -2215159 |
| -2294306 |
| -2064720 |
| -2121992 |
| -2239531 |
| -2320115 |
| -2047342 |
| -2103832 |
| -2222153 |
| -2301955 |
| -2038757 |
| -2096491 |
| -2205111 |
| -2284424 |
| -2015849 |
| -2073222 |
| -2182202 |
| -2261155 |
| -2031763 |
| -2088841 |
| -2206574 |
| -2286965 |
| -2014385 |
| -2070681 |
| -2189196 |
| -2268804 |
| -1071309 |
| -1099979 |
| -119899.8992 |
| -120548.8535 |
| -660359.2034 |
| -680240.4422 |
| -576886.5929 |
| -596677.9757 |
| -91536.9907 |
| -105556.8831 |
| -2.057E-05 |
| -2.402E-05 |
| 82332.1871 |
| 92782.2373 |
| -105600.9283 |
| -115943.3458 |
| 89981.6782 |
| 101370.5857 |
| -108141.7365 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -121485.1746 |
| -3116549 |
| -3208812 |
| -3296399 |
| -3389635 |
| -2262193 |
| -2320280 |
| -2450126 |
| -2529006 |
| -2238924 |
| -2297119 |
| -2426857 |
| -2505845 |
| -2254543 |
| -2311692 |
| -2452666 |
| -2534547 |
| -2236383 |
| -2291577 |
| -2434506 |
| -2514433 |
| -2226223 |
| -2284115 |
| -2414156 |
| -2492841 |
| -2202954 |
| -2260954 |
| -2390887 |
| -2469680 |
| -2218573 |
| -2275527 |
| -2416696 |
| -2498383 |
| -2200413 |
| -2255412 |
| -2398536 |
| -2478268 |
| -1162974 |
| -1191644 |
| -129945.637 |
| -130594.5913 |
| -717045.9069 |
| -736927.1457 |
| -626609.7575 |
| -646401.1403 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -105556.8831 |
| -120033.0812 |
| -2.535E-05 |
| -3.189E-05 |
| 92782.2373 |
| 102917.9331 |
| -115943.3458 |
| -125632.2741 |
| 101370.5857 |
| 112863.9141 |
| -121485.1746 |
| -134599.2334 |
| -3383950 |
| -3476213 |
| -3578868 |
| -3672105 |
| -2452831 |
| -2511233 |
| -2661557 |
| -2739783 |
| -2429670 |
| -2488519 |
| -2638395 |
| -2717069 |
| -2444243 |
| -2501287 |
| -2667098 |
| -2748750 |
| -2424128 |
| -2479552 |
| -2646984 |
| -2727015 |
| -2413847 |
| -2472054 |
| -2622573 |
| -2700605 |
| -2390686 |
| -2449340 |
| -2599412 |
| -2677890 |
| -2405259 |
| -2462109 |
| -2628115 |
| -2709572 |
| -2385144 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -2440373 |
| -2608000 |
| -2687836 |
| -1254639 |
| -1283309 |
| -139991.3748 |
| -140640.3291 |
| -773732.6104 |
| -793613.8492 |
| -676332.9222 |
| -696124.305 |
| -120033.0812 |
| -134851.7189 |
| -2.576E-05 |
| -3.114E-05 |
| 102917.9331 |
| 112616.6865 |
| -125632.2741 |
| -134685.7674 |
| 112863.9141 |
| 124458.7134 |
| -134599.2334 |
| -147413.5776 |
| -3651351 |
| -3743614 |
| -3861338 |
| -3954574 |
| -2643784 |
| -2702623 |
| -2872334 |
| -2949925 |
| -2621069 |
| -2680554 |
| -2849620 |
| -2927856 |
| -2633838 |
| -2690781 |
| -2881301 |
| -2962653 |
| -2612103 |
| -2667826 |
| -2859566 |
| -2939698 |
| -2601786 |
| -2660431 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -2830337 |
| -2907733 |
| -2579072 |
| -2638361 |
| -2807622 |
| -2885664 |
| -2591840 |
| -2648589 |
| -2839304 |
| -2920461 |
| -2570105 |
| -2625634 |
| -2817568 |
| -2897506 |
| -1344844 |
| -1374452 |
| -150037.1126 |
| -150686.0669 |
| -828960.0715 |
| -849779.0333 |
| -724596.8444 |
| -745325.9502 |
| -134851.7189 |
| -149893.2667 |
| -2.653E-05 |
| -3.04E-05 |
| 112616.6865 |
| 121806.4449 |
| -134685.7674 |
| -143171.2191 |
| 124458.7134 |
| 136543.3864 |
| -147413.5776 |
| -159889.8049 |
| -3912842 |
| -4008903 |
| -4137898 |
| -4234932 |
| -2830796 |
| -2892957 |
| -3078098 |
| -3157935 |
| -2808727 |
| -2871592 |
| -3056029 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|--------------|
| -3136570 |
| -2818954 |
| -2878220 |
| -3090826 |
| -3174653 |
| -2795999 |
| -2854873 |
| -3067871 |
| -3151307 |
| -2785785 |
| -2847751 |
| -3033087 |
| -3112729 |
| -2763716 |
| -2826386 |
| -3011018 |
| -3091364 |
| -2773943 |
| -2833014 |
| -3045815 |
| -3129447 |
| -2750988 |
| -2809668 |
| -3022860 |
| -3106101 |
| -1437521 |
| -1457674 |
| -160082.8504 |
| -160731.8047 |
| -886658.5734 |
| -898022.0703 |
| -775331.8074 |
| -786605.4483 |
| -149893.2668 |
| -165040.2972 |
| -3.024E-05 |
| -3.36E-05 |
| 121806.4449 |
| 130464.5371 |
| -143171.2191 |
| -151186.147 |
| 136543.3864 |
| 147982.8474 |
| -159889.8049 |
| -172034.0095 |

Table 3.8 - Story Forces (Part 2 of 2, continued)

| MY kN-m |
|------------|
| -4184341 |
| -4242107 |
| -4424465 |
| -4483204 |
| -3025730 |
| -3060056 |
| -3290708 |
| -3341707 |
| -3004365 |
| -3039335 |
| -3269343 |
| -3320985 |
| -3010993 |
| -3042538 |
| -3307426 |
| -3362555 |
| -2987647 |
| -3018487 |
| -3284080 |
| -3338504 |
| -2977705 |
| -3011837 |
| -3242683 |
| -3293487 |
| -2956340 |
| -2991115 |
| -3221318 |
| -3272766 |
| -2962968 |
| -2994318 |
| -3259401 |
| -3314335 |
| -2939622 |
| -2970267 |
| -3236055 |
| -3290284 |

Table 3.9 - Story Stiffness

| Story | Output Case | Case Type | Step Type | Shear X kN | Drift X mm | Stiff X kN/m | Shear Y kN | Drift Y mm | Stiff Y kN/m |
|--------|--------------|-----------|--------------|---------------|---------------|-----------------|---------------|---------------|-----------------|
| 16 | Earthquake+x | LinStatic | Step By Step | 428.2425 | 4.755 | 90055.957 | 1.046E-06 | 1.194 | 0 |
| 15 | Earthquake+x | LinStatic | Step By Step | 916.2393 | 5.023 | 182396.169 | 2.36E-06 | 1.203 | 0 |
| 14 | Earthquake+x | LinStatic | Step By Step | 1371.7031 | 5.29 | 259314.573 | 1.833E-06 | 1.225 | 0 |
| 13 | Earthquake+x | LinStatic | Step By Step | 1794.6338 | 5.589 | 321108.24 | 2.092E-06 | 1.261 | 0 |
| 12F RF | Earthquake+x | LinStatic | Step By Step | 2185.0313 | 5.894 | 370704.378 | 1.179E-06 | 1.297 | 0 |

Table 3.9 - Story Stiffness (continued)

| Story | Output Case | Case Type | Step Type | Shear X kN | Drift X mm | Stiff X kN/m | Shear Y kN | Drift Y mm | Stiff Y kN/m |
|--------|--------------|-----------|--------------|---------------|---------------|-----------------|---------------|---------------|-----------------|
| 11F RF | Earthquake+x | LinStatic | Step By Step | 2542.8956 | 6.191 | 410730.825 | 9.937E-07 | 1.331 | 0 |
| 10F RF | Earthquake+x | LinStatic | Step By Step | 2868.2269 | 6.461 | 443917.607 | 2.363E-06 | 1.359 | 0 |
| 9F RF | Earthquake+x | LinStatic | Step By Step | 3161.025 | 6.687 | 472708.229 | 1.616E-06 | 1.378 | 0 |
| 8F RF | Earthquake+x | LinStatic | Step By Step | 3421.29 | 6.854 | 499161.677 | 1.352E-06 | 1.387 | 0 |
| 7F RF | Earthquake+x | LinStatic | Step By Step | 3649.0218 | 6.945 | 525437.787 | 2.356E-06 | 1.381 | 0 |
| 6F RF | Earthquake+x | LinStatic | Step By Step | 3844.2206 | 6.946 | 553453.428 | 3.176E-06 | 1.36 | 0 |
| 5F RF | Earthquake+x | LinStatic | Step By Step | 4006.8862 | 6.842 | 585606.839 | 2.203E-06 | 1.318 | 0 |
| 4F RF | Earthquake+x | LinStatic | Step By Step | 4137.0187 | 6.666 | 620626.299 | 2.194E-06 | 1.258 | 0 |
| 3F RF | Earthquake+x | LinStatic | Step By Step | 4234.6181 | 6.364 | 665372.477 | 8.448E-07 | 1.121 | 0 |
| 2F RF | Earthquake+x | LinStatic | Step By Step | 4298.0661 | 6.632 | 648114.606 | 1.101E-06 | 3.193 | 0 |
| 1F RF | Earthquake+x | LinStatic | Step By Step | 4327.9635 | 30.16 | 143501.964 | 7.916E-07 | 13.685 | 0 |
| 16 | Earthquake+y | LinStatic | Step By Step | 0 | 0.996 | 0 | 428.2425 | 7.194 | 59524.218 |
| 15 | Earthquake+y | LinStatic | Step By Step | 2.034E-06 | 1.035 | 0 | 916.2394 | 7.27 | 126034.626 |
| 14 | Earthquake+y | LinStatic | Step By Step | 0 | 1.097 | 0 | 1371.7031 | 7.407 | 185197.561 |
| 13 | Earthquake+y | LinStatic | Step By Step | 2.326E-06 | 1.17 | 0 | 1794.6337 | 7.574 | 236945.931 |
| 12F RF | Earthquake+y | LinStatic | Step By Step | 2.487E-06 | 1.256 | 0 | 2185.0312 | 7.745 | 282127.651 |
| 11F RF | Earthquake+y | LinStatic | Step By Step | 3.075E-06 | 1.356 | 0 | 2542.8956 | 7.903 | 321755.721 |
| 10F RF | Earthquake+y | LinStatic | Step By Step | 4.543E-06 | 1.471 | 0 | 2868.2268 | 8.035 | 356946.364 |
| 9F RF | Earthquake+y | LinStatic | Step By Step | 4.943E-06 | 1.6 | 0 | 3161.0249 | 8.131 | 388743.836 |
| 8F RF | Earthquake+y | LinStatic | Step By Step | 3.194E-06 | 1.746 | 0 | 3421.2899 | 8.181 | 418178.995 |
| 7F RF | Earthquake+y | LinStatic | Step By Step | 1.466E-06 | 1.915 | 0 | 3649.0218 | 8.173 | 446471.859 |
| 6F RF | Earthquake+y | LinStatic | Step By Step | 0 | 2.119 | 0 | 3844.2206 | 8.091 | 475125.801 |
| 5F RF | Earthquake+y | LinStatic | Step By Step | 8.102E-07 | 2.382 | 0 | 4006.8862 | 7.913 | 506399.283 |
| 4F RF | Earthquake+y | LinStatic | Step By Step | 1.542E-06 | 2.703 | 0 | 4137.0187 | 7.591 | 544961.969 |
| 3F RF | Earthquake+y | LinStatic | Step By Step | 1.183E-06 | 2.962 | 0 | 4234.6181 | 7.341 | 576858.819 |
| 2F RF | Earthquake+y | LinStatic | Step By Step | 9.744E-07 | 5.028 | 0 | 4298.0661 | 16.768 | 256324.213 |
| 1F RF | Earthquake+y | LinStatic | Step By Step | 9.064E-07 | 6.383 | 0 | 4327.9635 | 31.117 | 139087.576 |

3.3 Modal Results

Table 3.10 - Modal Periods And Frequencies

| Case | Mode | Period sec | Frequency cyc/sec | CircFreq rad/sec | Eigenvalue rad ² /sec ² |
|-------|------|---------------|----------------------|---------------------|--|
| Modal | 1 | 2.63 | 0.38 | 2.3886 | 5.7056 |
| Modal | 2 | 2.436 | 0.41 | 2.5788 | 6.6505 |
| Modal | 3 | 2.108 | 0.474 | 2.9802 | 8.8819 |
| Modal | 4 | 0.756 | 1.323 | 8.3121 | 69.0909 |
| Modal | 5 | 0.726 | 1.377 | 8.6528 | 74.871 |
| Modal | 6 | 0.586 | 1.708 | 10.7304 | 115.1418 |
| Modal | 7 | 0.326 | 3.071 | 19.2934 | 372.2349 |
| Modal | 8 | 0.27 | 3.702 | 23.2605 | 541.0514 |
| Modal | 9 | 0.194 | 5.149 | 32.3502 | 1046.5349 |
| Modal | 10 | 0.177 | 5.656 | 35.5402 | 1263.1088 |
| Modal | 11 | 0.176 | 5.695 | 35.7805 | 1280.2432 |
| Modal | 12 | 0.175 | 5.713 | 35.898 | 1288.6676 |

Table 3.11 - Modal Participating Mass Ratios (Part 1 of 2)

| Case | Mode | Period sec | UX | UY | UZ | SumUX | SumUY | SumUZ | RX | RY | RZ |
|-------|------|------------|-----------|-----------|----|--------|--------|-------|-----------|-----------|-----------|
| Modal | 1 | 2.63 | 0.3497 | 0.5148 | 0 | 0.3497 | 0.5148 | 0 | 0.0771 | 0.0514 | 0.0091 |
| Modal | 2 | 2.436 | 0.3294 | 0.27 | 0 | 0.6791 | 0.7848 | 0 | 0.0474 | 0.0449 | 0.2835 |
| Modal | 3 | 2.108 | 0.19 | 0.0878 | 0 | 0.8691 | 0.8726 | 0 | 0.0047 | 0.0366 | 0.6409 |
| Modal | 4 | 0.756 | 0.0882 | 0.0044 | 0 | 0.9573 | 0.877 | 0 | 0.0581 | 0.6088 | 0.005 |
| Modal | 5 | 0.726 | 0.0111 | 0.1029 | 0 | 0.9684 | 0.9799 | 0 | 0.7282 | 0.0909 | 3.199E-05 |
| Modal | 6 | 0.586 | 0.0166 | 0.0139 | 0 | 0.985 | 0.9938 | 0 | 0.0405 | 0.0961 | 0.0583 |
| Modal | 7 | 0.326 | 0.0128 | 0.0001 | 0 | 0.9979 | 0.9939 | 0 | 0 | 0.0566 | 0.0003 |
| Modal | 8 | 0.27 | 0.0001 | 0.005 | 0 | 0.998 | 0.9989 | 0 | 0.0356 | 0.0003 | 0.0013 |
| Modal | 9 | 0.194 | 0.0002 | 3.11E-05 | 0 | 0.9982 | 0.9989 | 0 | 0.0005 | 0.0011 | 0.0011 |
| Modal | 10 | 0.177 | 2.76E-06 | 0 | 0 | 0.9982 | 0.9989 | 0 | 0 | 1.686E-05 | 0 |
| Modal | 11 | 0.176 | 9.741E-07 | 5.982E-07 | 0 | 0.9982 | 0.9989 | 0 | 4.51E-06 | 4.925E-06 | 0 |
| Modal | 12 | 0.175 | 5.801E-06 | 1.626E-06 | 0 | 0.9982 | 0.9989 | 0 | 1.017E-06 | 4.052E-05 | 3.616E-06 |

Table 3.11 - Modal Participating Mass Ratios (Part 2 of 2)

| SumRX | SumRY | SumRZ |
|--------|--------|--------|
| 0.0771 | 0.0514 | 0.0091 |
| 0.1244 | 0.0963 | 0.2926 |
| 0.1291 | 0.1329 | 0.9335 |
| 0.1872 | 0.7417 | 0.9386 |
| 0.9154 | 0.8326 | 0.9386 |
| 0.9559 | 0.9287 | 0.9969 |
| 0.9559 | 0.9852 | 0.9972 |
| 0.9915 | 0.9856 | 0.9985 |
| 0.992 | 0.9867 | 0.9996 |
| 0.992 | 0.9867 | 0.9996 |
| 0.992 | 0.9867 | 0.9996 |
| 0.992 | 0.9867 | 0.9996 |

Table 3.12 - Modal Load Participation Ratios

| Case | ItemType | Item | Static % | Dynamic % |
|-------|--------------|------|----------|-----------|
| Modal | Acceleration | UX | 100 | 99.82 |
| Modal | Acceleration | UY | 100 | 99.89 |
| Modal | Acceleration | UZ | 0 | 0 |

Table 3.13 - Modal Direction Factors

| Case | Mode | Period sec | UX | UY | UZ | RZ |
|-------|------|------------|-------|-------|----|-------|
| Modal | 1 | 2.63 | 0.401 | 0.591 | 0 | 0.009 |
| Modal | 2 | 2.436 | 0.373 | 0.317 | 0 | 0.31 |
| Modal | 3 | 2.108 | 0.226 | 0.093 | 0 | 0.681 |
| Modal | 4 | 0.756 | 0.759 | 0.068 | 0 | 0.173 |
| Modal | 5 | 0.726 | 0.112 | 0.873 | 0 | 0.015 |
| Modal | 6 | 0.586 | 0.128 | 0.058 | 0 | 0.813 |
| Modal | 7 | 0.326 | 0.987 | 0 | 0 | 0.012 |

Table 3.13 - Modal Direction Factors (continued)

| Case | Mode | Period sec | UX | UY | UZ | RZ |
|-------|------|------------|-------|-------|----|-------|
| Modal | 8 | 0.27 | 0.001 | 0.931 | 0 | 0.068 |
| Modal | 9 | 0.194 | 0.013 | 0.08 | 0 | 0.907 |
| Modal | 10 | 0.177 | 0.465 | 0.533 | 0 | 0.002 |
| Modal | 11 | 0.176 | 0.003 | 0.994 | 0 | 0.003 |
| Modal | 12 | 0.175 | 0.169 | 0.67 | 0 | 0.162 |