## CODE ANALYSIS

### APPLICABLE CODES

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
<th>Year</th>
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<tbody>
<tr>
<td>International Building Code</td>
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<tr>
<td>International Mechanical Code</td>
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<td>International Fuel Gas Code</td>
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<td>International Plumbing Code</td>
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<td>International Fire Code</td>
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<tr>
<td>International Energy</td>
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</table>

### A. Occupancy and Group:
- Change In Use: Yes ___ No ____ Mixed Occupancy: Yes ___ No ___
- Special Use and Occupancy (e.g., High Rise, Covered Mall): ___

### B. Seismic Design Category: ___ Design Wind Speed: ___ mph

### C. Type of Construction (circle one):
- [ ] A  [ ] B  [ ] C  [ ] D  [ ] E  [ ] F  [ ] G

### D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (h hours):
- North: ___  South: ___  East: ___  West: ___

### E. Mixed Occupancies: ___ Nonseparated Uses: ___

### F. Sprinklers:
- Required: ___ Provided: ___
- Type of Sprinkler System (IBC 902.2, 1, ___)

### G. Number of Stories: ___ Building Height: ___

### H. Actual Area ___ per Floor (square feet): ___

### I. Tabular Area (Table 502):

### J. Area Modifications:
- \[ A_e = \left\{ A_1 + A_2 \cdot \frac{l_1}{l_2} \right\} \]
- \[ l_2 = \frac{F_p - 0.2S}{W / 30} \]

- b) Sum of the Ratio Calculations for Mixed Occupancies:
  \[ \frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1 \]

### c) Total Allowable Area for:
1) One Story: ___
2) Two Story: ___
3) Three Story: ___

### d) Unlimited Area Building: Yes ___ No ____ Code Section: ___

### K. Fire Resistance Rating Requirements for Building Elements (hours):

<table>
<thead>
<tr>
<th>Element</th>
<th>Hours Assembly</th>
<th>Element</th>
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<tbody>
<tr>
<td>Exterior Bearing Walls</td>
<td>Assembly</td>
<td>Floors - Ceiling Floors</td>
<td>Assembly</td>
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<tr>
<td>Interior Bearing Walls</td>
<td>Assembly</td>
<td>Roof - Ceiling Roof</td>
<td>Assembly</td>
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<tr>
<td>Exterior Non-Bearing Walls</td>
<td>Assembly</td>
<td>Shaft Enclosures</td>
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<td>Structural Frame</td>
<td>Assembly</td>
<td>Fire Walls</td>
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<tr>
<td>Partitions - Permanent</td>
<td>Assembly</td>
<td>Fire Partitions</td>
<td>Assembly</td>
</tr>
<tr>
<td>Fire Barriers</td>
<td>Assembly</td>
<td>Smoke Partitions</td>
<td>Assembly</td>
</tr>
</tbody>
</table>

### L. Design Occupant Load: ___
- Exit Width Required: ___  Exit Width Provided: ___

### M. Minimum Number of Required Plumbing Facilities:
- a) Water Closet - Required (m) ___ (f) ___ Provided (m) ___ (f) ___
- b) Urinals - Required (m) ___ (f) ___ Provided (m) ___ (f) ___
- c) Lavatories - Required (m) ___ (f) ___ Provided (m) ___ (f) ___
- d) Bathtubs or Showers: ___
- e) Drinking Fountains: ___  Service Sinks: ___

### FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Register Parts 0 through 7 - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings, including, but not limited to:
   a) High Rise Requirements,
   b) Elevators,
   c) Performance Based Criteria,
   d) Means of Egress Analysis,
   e) Fire Assembly/Decorative Siding,
   f) Exterior and Interior Accessibility Route,
   g) Fire Stopping, including Tested Design Number,