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| **State of Connecticut**  **Department of Administrative Services**  **Division of Construction Services**  **Office of State Building Inspector**  **450 Columbus Blvd, Suite 1303**  **Hartford, CT 06103** | | | |
| **Project Number:** |  | | |
| **Project Name:** |  | | |
| **Project Location:** |  | | |
| **Date:** |  | | |
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| *The information on this form is intended to expedite the plan review process and is for archival purposes. It assembles all code related information into one table. The information shall be placed on the drawings and become a permanent record of the code information applicable to this building. Use the current International Building Code portion of the current Connecticut State Building Code.* | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
| PART 1 - CT STATE BUILDING CODE | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
| 1.0 | | EXISTING BUILDING: | | |  | YES |  | NO |  | N/A |  | |
| **1.1** | | | Continuation of Existing Use | |  | YES |  | NO |  | N/A |  | |
| **1.2** | | | Change of Use | |  | YES |  | NO |  | N/A |  | |
| **1.3** | | | Complying with International Existing Building Code | |  | YES |  | NO |  | N/A |  | |
| 2.0 | | NEW BUILDINGS OR ADDITIONS: | | |  | YES |  | NO |  | N/A |  | |
| 2.1 | | | Exceeds Threshold Building Limits | |  | YES |  | NO |  | N/A |  | |
| 3.0 | | OCCUPANCY CLASSIFICATION | | |  | | | | | | |  |
| 3.1 | | | Mixed Occupancies | |  | | | | | | |  |
|  | | | | |  | | | | | | | |
| 4.0 | | HEIGHT AND AREA COMPUTATION + CONSTRUCTION TYPE: | | | | | | | | | | |
|  | | | |  | | | | | | | | |
| GENERAL BUILDING LIMITATIONS (Chapters 5 & 6) | | | | | | | | | | | |
| Use Case 1 to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, one-story building. Use Case 2 to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, multistory building. Use Case 3 to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, one-story building. Use Case 4 to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, multistory building.   |  |  |  | | --- | --- | --- | | DETERMINE CONSTRUCTION TYPE | | FRONTAGE INCREASE | | Actual building area | ft2 | Frontage  *(506.3)*  North East South West | |  |  |  | | Allowable area (Table 506.2) | ft2 | Total  Frontage *(F)*       ft Perimeter *(P)*       ft | |  |  |  | | Actual building height | feet      stories | Width of open space *(W) (506.3.2)* =       ft | |  |  |  | | Allowable building height (Tables 504.3 and 504.4) | feet      stories | Frontage increase (*Iƒ*) *(506.3.3)*  =       % | |  |  |  | | Permitted construction types |  |  | |  |  |  | | Type of construction assumed for review (602.1.1) |  | Iƒ = 100 | | | | | | | | | | | | |

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| CASE 1 – SINGLE OCCUPANCY, ONE-STORY (506.2.1) | |
|  | |
| Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with no more than one [story above grade plane](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story_above_grade_plane) shall be determined in accordance with:   |  |  |  | | --- | --- | --- | | *Aa* = *At* + (NS x *I*ƒ) | | | | Tabular Allowable area factor, *At (Table 506.2)* | sf |  | |  |  |  | | NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)* | sf |  | |  |  |  | | Increase for frontage, *I*ƒ (506.3.3) | % |  | |  |  |  | | Allowable Area, *Aa* | sf |  | | |
|  | |
| CASE 2 – SINGLE OCCUPANCY, MULTISTORY (506.2.3) | |
| Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with more than one [story above grade plane](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story_above_grade_plane) shall be determined in accordance with:   |  |  |  | | --- | --- | --- | | *Aa* = [*At* + (NS x *I*ƒ)] x Sa | | | | Tabular Allowable area factor, *At (Table 506.2)* | sf |  | |  |  |  | | NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)* | sf |  | |  |  |  | | Increase for frontage, *I*ƒ (506.3.3) | % |  | |  |  |  | | Actual stories above grade plane, Sa | stories |  | |  |  |  | | Allowable Area, *Aa* | sf |  | | |

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| CASE 3 – MIXED OCCUPANCY, ONE-STORY (506.2.2) |
| Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. The allowable area of a mixed-occupancy building with no more than one [story above grade plane](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story_above_grade_plane) shall be determined for each applicable occupancy with:   |  |  |  | | --- | --- | --- | | *Aa* = *At* + (NS x *I*ƒ) per occupancy | | | | Tabular Allowable area factor, *At (Table 506.2)* | sf |  | |  |  |  | | NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)* | sf |  | |  |  |  | | Increase for frontage, *I*ƒ (506.3.3) | % |  | |  |  |  | | Allowable Area, *Aa* | sf |  |  |  |  |  | | --- | --- | --- | | *Aa* = *At* + (NS x *I*ƒ) per occupancy (copy table as needed) | | | | Tabular Allowable area factor, *At (Table 506.2)* | sf |  | |  |  |  | | NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)* | sf |  | |  |  |  | | Increase for frontage, *I*ƒ (506.3.3) | % |  | |  |  |  | | Allowable Area, *Aa* | sf |  | |

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| CASE 4 – MIXED OCCUPANCY, MULTISTORY (506.2.4) |
| Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. For buildings with more than three [stories above grade plane](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story_above_grade_plane), the total [building area](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#area_building) shall be such that the aggregate sum of the ratios of the actual area of each [story](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story) divided by the allowable area of such [stories](https://up.codes/viewer/connecticut/ibc-2015/chapter/2/definitions#story), determined in accordance with Equation below based on the applicable provisions of [Section 508.1](https://up.codes/viewer/connecticut/ibc-2015/chapter/5/general-building-heights-and-areas#508.1), shall not exceed three.   |  |  |  | | --- | --- | --- | | *Aa* = [*At* + (NS x *I*ƒ)] | | | | Tabular Allowable area factor, *At (Table 506.2)* | sf |  | |  |  |  | | NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)* | sf |  | |  |  |  | | Increase for frontage, *I*ƒ (506.3.3) | % |  | |  |  |  | | Allowable Area, *Aa* | sf |  | |

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| **MEZZANINES (505)** | | | | | | |
|  |  |  |  | |  | |
|  | Area limitation *(505.2.1)* |  |  | | Openness (*505.2.3*) | |
|  |  |  |  | |  | |
|  | Egress (*505.2.2*) |  |  | | Equipment platforms (*505.3*) | |
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| **UNLIMITED AREA BUILDINGS (507)** | | | | | | |
|  |  |  | |  | |  |
|  | Nonsprinklered, one-story *(507.3)* |  | |  | | High-hazard use groups *(507.8)* |
|  |  |  | |  | |  |
|  | Sprinklered, one-story *(507.4)* |  | |  | | Aircraft paint hangar *(507.10)* |
|  |  |  | |  | |  |
|  | Two-story *(507.5)* |  | |  | | Group E buildings *(507.11)* |
|  |  |  | |  | |  |
|  | Reduced open space *(507.2.1)* |  | |  | | Motion picture theaters *(507.12)* |
|  |  |  | |  | |  |
|  | Group A-3 buildings *(507.6 and 507.7)* |  | |  | |  |
|  |  |  | |  | |  |
|  | | | | | | |
| **SPECIAL PROVISIONS (510)** | | | | | | |
|  | | | | | | |
|  | Special condition applicable *(510.1)* | | | | | |
|  | Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |

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| CONSTRUCTION INFORMATION | | | | | |
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| **5.0** | **MEANS OF EGRESS:** | | |  | |
| **5.1** | | **Total Occupant Load** (Entire Building) | |  |  |
| **5.2** | | **Total Occupant Load** (Largest Floor) | |  |  |
| **5.3** | | **Total Capacity Of Exits** | |  |  |
| **5.4** | | **Total Number of Exits** | |  |  |
|  | | | | | |
| **6.0** | **FIRE RESISTANT RATING OF STRUCTURE ELEMENTS** (TABLES 601 and 602) **REFER TO CONSTRUCTION DOCUMENTS FOR THE FOLLOWING:** | | | | |
| **6.1** | | **Exterior Walls:** | |  |  |
| **6.1.1** | | | Load Bearing |  | HR(S) |
| **6.1.2** | | | Non-load Bearing |  | HR(S) |
| **6.2** | | **Fire Walls & Party Walls** | |  | HR(S) |
| **6.3** | | **Fire Separation Assemblies:** | |  |  |
| **6.3.1** | | | Fire enclosure of exits |  | **HR(S)** |
| **6.3.2** | | | Shafts |  | **HR(S)** |
| **6.3.3** | | | Mixed Use Separation |  | **HR(S)** |
| **6.3.4** | | | Other Separation Assemblies: |  | **HR(S)** |
| **6.4** | | **Fire Partitions** | |  | HR(S) |
| **6.5** | | **Dwelling Unit Separations** | |  | HR(S) |
| **6.6** | | **Smoke Barriers** | |  | HR(S) |
| **6.7** | | **Other Non bearing Partitions** | |  | HR(S) |
| **6.8** | | Interior Bearing Walls, Bearing Partitions,  Columns, Girders, Trusses and Framing: | | | |
| **6.8.1** | | | Supporting more than one floor |  | HS(S) |
| **6.8.2** | | | Supporting one floor only or a roof: |  | HR(S) |
| **6.8.3** | | | Structural Members Supporting Wall |  | HR(S) |
| **6.9** | | **Floor Construction Including Beams** | |  | HR(S) |
| **6.10** | | **Roof Construction** | |  |  |
| **6.10.1** | | | \* 15 ft. or less: |  | HR(S) |
| **6.10.2** | | | **\*** 15 ft. or more: |  | HR(S) |
| **6.10.3** | | | **\*** 20 ft. or more: |  | HR(S) |
|  | | | **\*** Height to lowest member. |  |  |
|  | | | | | |
| **7.0** | **FIRE PROTECTION SYSTEM:** | | |  |  |
| **7.1** | | Fire Suppression System | |  |  |
| **7.2** | | Alarms | |  |  |
| **7.3** | | Automatic Fire Detection System | |  |  |
| **7.4** | | Smoke Control System | |  |  |
| **7.5** | | Supervision | |  |  |

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| PART 2 - CONNECTICUT STATE FIRE SAFETY CODE | | | |
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| **1.0** | **CLASSIFICATION OF OCCUPANCY:** |  | |
|  |  |  |  |
| **2.0** | **CONSTRUCTION CLASSIFICATION:** |  | |
|  |  |  |  |
| **3.0** | **MINIMUM CONSTRUCTION TYPE REQUIRED;** |  | |
|  |  |  |  |
| **4.0** | **ACTUAL CONSTRUCTION TYPE PROVIDED:** |  | |
|  |  |  |  |
| **5.0** | **NOTIFICATION/ALARMS:** |  | |
|  |  |  |  |
| **6.0** | **DETECTION:** |  | |
|  |  |  |  |
| **7.0** | **EXTINGUISHMENT REQUIREMENTS:** |  | |
|  | |  |  |

***END***

***BUILDING INFORMATION***

***FOR CODE ANALYSES***