

**LEAD DESIGN PROFESSIONAL:** David A. Wright, AIA  
**DESIGNER:** Wright, McGraw, Beyer  
**ARCHITECT:** Wright, McGraw, Beyer  
**CIVIL:** David Chandler  
**ELECTRICAL:** David Chandler  
**Mechanical:** Greg Johnson  
**Structural:** Greg Johnson  
**Other:** NA

**YEAR EDITION OF CODE:** 2006 NC STATE BUILDING CODE  
 New Construction  Renovation (Existing Bldg)  Upfit  Alter/Adapt

**BUILDING DATA**  
 Construction Type:  I-A  I-B  II-A  II-B  III-A  III-B  
 IV  V-A  V-B  
 Mixed Construction:  No  Yes Type: \_\_\_\_\_  
 Sprinklers:  No  Yes  NFPA 13  NFPA 13R  NFPA 13D  
 Fire Alarm:  No  Yes  Chas.  I  II  III  Wet  Dry  
 Fire District:  No  Yes  
 Building Height: 56 Feet Number of Stories: 4 Unfinished per: \_\_\_\_\_

**Gross Building Area:**

Floor	Existing (SQ FT)	Addition (SQ FT)	Renovation (SQ FT)	Sub-Total (SQ FT)	(Addition & Renovation Only)
6th Floor					
5th Floor					
4th Floor					
3rd Floor					
2nd Floor					
1st Floor	9,050	0	415	9,465	9,465
Ground Total	9,050	0	415	9,465	9,465

**ALLOWABLE AREA**

Primary Occupancy:  Assembly  A-1  A-2  A-3  A-4  A-5  
 Business  Educational  Factory - Industrial  F-1  F-2  
 High Hazard  H-1  H-2  H-3  H-4  H-5  
 Institutional  I-1  I-2  I-3  I-4  
 Mercantile  Residential  R-1  R-2  R-3  R-4  
 Storage  S-1  S-2  High-Piled  
 Utility and Miscellaneous  Parking Garage  Open  Enclosed  Repair

Secondary Occupancy:  508.2  508.3  508.4  508.5  508.6  508.7  508.8  
 No  Yes Separation: \_\_\_\_\_ Exemption: \_\_\_\_\_

Non-Separated Mixed Occupancy (S103.3 Exception)  
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies in the entire building. The most restrictive type of construction, as determined, shall apply to the entire building.

Separated Mixed Occupancy (S103.3.2) - See below for area calculations  
 For each story, the area of the occupancy shall be such that the sum of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Second Floor = \_\_\_\_\_ ≤ 1

Story No.	Description	(A) BLDG Area (Actual)	(B) Table 503.2 Per Story Increase	(C) Area for Open Space Increase	(D) Area for Sprinkler Increase	(E) Allowable Area (Calculated)	(F) Maximum Building Area*
Ground Floor	Hospital	9475	0	NA	NA	9475	9475

**ALLOWABLE HEIGHT - EXISTING CONDITIONS**

Type of Construction	Allowable (Table 503)	Increase for Sprinklers	Shown on Plans	Code Reference
III-A	30'	10' + 20' = 50'	50'	503.2.1

**FIRE PROTECTION REQUIREMENTS**  
 Life Safety Plan Sheet #, if Provided: A010

Building Element	Fire Separation Distance (Feet)	Rating	Design # for Rated Assembly	Design # for Rated Ceiling	Design # for Rated Wall
Structural Frame including columns, girders, truss	2 Hr	2 Hr			
Roofing	2 Hr	NA			
Walls	2 Hr	2 Hr			
Partitions	1 Hr	1 Hr			
Floors	1 Hr	1 Hr			
Stairways	2 Hr	2 Hr			
Elevators	2 Hr	2 Hr			
Roofing	2 Hr	2 Hr			
Exterior	NA	NA			
Roof	2 Hr	2 Hr			
Walls	2 Hr	2 Hr			
Partitions	1 Hr	1 Hr			
Floors	1 Hr	1 Hr			
Stairways	2 Hr	2 Hr			
Elevators	2 Hr	2 Hr			
Roofing	2 Hr	2 Hr			
Exterior	NA	NA			
Roof	2 Hr	2 Hr			
Walls	2 Hr	2 Hr			
Partitions	1 Hr	1 Hr			
Floors	1 Hr	1 Hr			
Stairways	2 Hr	2 Hr			
Elevators	2 Hr	2 Hr			
Roofing	2 Hr	2 Hr			
Exterior	NA	NA			
Roof	2 Hr	2 Hr			
Walls	2 Hr	2 Hr			
Partitions	1 Hr	1 Hr			
Floors	1 Hr	1 Hr			
Stairways	2 Hr	2 Hr			
Elevators	2 Hr	2 Hr			
Roofing	2 Hr	2 Hr			
Exterior	NA	NA			
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Walls	2 Hr	2 Hr			
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Floors	1 Hr	1 Hr			
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Elevators	2 Hr	2 Hr			
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