**COMMERCIAL PROJECT BUILDING CODE SUMMARY**

Name of Project: 

Address: 

Owner/Authorized Agent: 

Phone # ( ) - 

E-Mail: 

**CONTACT:**

<table>
<thead>
<tr>
<th>DESIGNER</th>
<th>FIRM</th>
<th>NAME</th>
<th>LICENSE #</th>
<th>TELEPHONE #</th>
<th>E-MAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural</td>
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</tr>
<tr>
<td>Structural</td>
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<tr>
<td>Retaining Walls &gt;5' High</td>
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<tr>
<td>Other</td>
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</tr>
</tbody>
</table>

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: 

- New Building
- Addition
- Renovation

**2018 NC EXISTING BUILDING CODE: EXISTING:**

- Prescriptive
- Repair
- Chapter 14
- Alteration:
- Level I
- Level II
- Level III
- Historic Property
- Change of Use

CONSTRUCTED: (date) 

CURRENT OCCUPANCY(S) (Ch. 3): 

RENOVATED: (date) 

PROPOSED OCCUPANCY(S) (Ch. 3):

RISK CATEGORY (Table 1604.5):

- Proposed: I
- II
- III
- IV

**BASIC BUILDING DATA**

- Construction Type: I-A
- I-B
- II-A
- II-B
- III-A
- III-B
- IV
- V-A
- V-B

- Sprinklers: No
- Partial
- Yes
- NFPA 13
- NFPA 13R
- NFPA 13D

- Standpipes: No
- Yes
- Class I
- II
- III
- Wet
- Dry

- Fire District: No
- Yes
- Flood Hazard Area: No
- Yes

- Special Inspections Required: No
- Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

**GROSS BUILDING AREA TABLE**

<table>
<thead>
<tr>
<th>FLOOR</th>
<th>EXISTING (SQ FT)</th>
<th>NEW (SQ FT)</th>
<th>SUB-TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd Floor</td>
<td></td>
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</tr>
<tr>
<td>2nd Floor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mezzanine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ALLOWABLE AREA

Primary Occupancy Classification(s):
- Business:  
- Educational:  
- Factory:  □ F-1 Moderate  □ F-2 Low
- Hazardous:  □ H-1 Detonate  □ H-2 Deflagrate  □ H-3 Combust  □ H-4 Health  □ H-5 HPM
- Institutional:  □ I-1 Condition  □ 1 □ 2  □ I-2 Condition  □ 1 □ 2  □ I-3 Condition  □ 1 □ 2 □ 3 □ 4 □ 5  □ I-4
- Mercantile:  
- Residential:  □ R-1  □ R-2  □ R-3  □ R-4
- Storage:  □ S-1 Moderate  □ S-2 Low  □ High-piled  □ Parking Garage  □ Open  □ Enclosed  □ Repair Garage
- Utility and Miscellaneous:  

Accessory Occupancy Classification(s):

Incidental Uses (Table 509):  

Special Uses (Chapter 4 – List Code Sections):

Special Provisions: (Chapter 5 – List Code Sections):

Mixed Occupancy:  □ No  □ Yes  Separation:  _____ Hr.  Exception:  

☐ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

<table>
<thead>
<tr>
<th>STORY NO.</th>
<th>DESCRIPTION AND USE</th>
<th>(A) BLDG AREA PER STORY (ACTUAL)</th>
<th>(B) TABLE 506.24 AREA</th>
<th>(C) AREA FOR FRONTAGE INCREASE5</th>
<th>(D) ALLOWABLE AREA PER STORY OR UNLIMITED23</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

1 Frontage area increases from Section 506.3
2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

<table>
<thead>
<tr>
<th></th>
<th>ALLOWABLE</th>
<th>SHOWN ON PLANS</th>
<th>CODE REFERENCE</th>
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</thead>
<tbody>
<tr>
<td>Building Height in Feet (Table 504.3) 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building Height in Stories (Table 504.4) 3</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

1 Provide code reference if the “Shown on Plans” quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.
<table>
<thead>
<tr>
<th>BUILDING ELEMENT</th>
<th>FIRE SEPARATION DISTANCE (FEET)</th>
<th>RATING REQUIRED</th>
<th>PROVIDED (W/ ______ REDUCTION)</th>
<th>DETAIL # AND SHEET #</th>
<th>DESIGN # FOR RATED ASSEMBLY</th>
<th>SHEET # FOR RATED PENETRATION</th>
<th>SHEET # FOR RATED JOINTS</th>
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<tbody>
<tr>
<td>Structural Frame, including columns, girders, trusses</td>
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<tr>
<td></td>
<td>Exterior</td>
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<tr>
<td></td>
<td>Interior</td>
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<td>Nonbearing Walls and Partitions</td>
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<td>Exterior walls</td>
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<td>Interior walls and partitions</td>
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<tr>
<td></td>
<td>Including supporting beams and joists</td>
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<td>Floor Ceiling Assembly</td>
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<td>Roof Construction, including supporting beams and joists</td>
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<td>Occupancy/Fire Barrier Separation</td>
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<td>Party/Fire Wall Separation</td>
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<td>Smoke Barrier Separation</td>
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<td>Smoke Partition</td>
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<tr>
<td>Tenant/Dwelling Unit/ Sleeping Unit Separation</td>
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<td>Incidental Use Separation</td>
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</tbody>
</table>

* Indicate section number permitting reduction
ACCESSIBLE PARKING
(SECTION 1106)

<table>
<thead>
<tr>
<th>LOT OR PARKING AREA</th>
<th>TOTAL # OF PARKING SPACES</th>
<th># OF ACCESSIBLE SPACES PROVIDED</th>
<th>TOTAL # ACCESSIBLE PROVIDED</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>REQUIRED</td>
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<td>96&quot; SPACES</td>
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<tr>
<td>TOTAL</td>
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</tbody>
</table>

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

<table>
<thead>
<tr>
<th>USE</th>
<th>WATER CLOSETS</th>
<th>URINALS</th>
<th>LAVATORIES</th>
<th>SHOWERS</th>
<th>DRINKING FOUNTAINS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MALE</td>
<td>FEMALE</td>
<td>UNISEX</td>
<td>MALE</td>
<td>FEMALE</td>
</tr>
<tr>
<td>SPACE</td>
<td>EXIST’G</td>
<td>NEW</td>
<td>REQ’D</td>
<td>MALE</td>
<td>FEMALE</td>
</tr>
</tbody>
</table>

BUILDING CODE SUMMARY
STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors:
- Snow $I_s$ ______
- Seismic $I_e$ ______

Live Loads:
- Roof ______ psf
- Mezzanine ______ psf
- Floor ______ psf

Ground Snow Load: ______ psf

Wind Load:
- Ultimate Wind Speed ______ mph (ASCE-7)
- Exposure Category ______

SOIL BEARING CAPACITIES:
- Field Test (provide copy of test report) ______ psf
- Presumptive Bearing capacity ______ psf
- Pile size, type, and capacity ______
ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code:  □ No  □ Yes (The remainder of this section is not applicable)

Exempt Building:  □ No  □ Yes (Provide code or statutory reference):__________________________

Climate Zone:  □ 3A  □ 4A  □ 5A

Method of Compliance: Energy Code  □ Performance  □ Prescriptive
ASHRAE 90.1 □ Performance  □ Prescriptive
(If “Other” specify source here)_____________________

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
R-Value of insulation: __________________

Exterior Walls (each assembly)
R-Value of insulation: __________________
Openings (windows or doors with glazing)
U-Value of assembly: __________________
Solar heat gain coefficient: ________________
projection factor: ________________
Door R-Values: __________________

Floors over unconditioned space (each assembly)
R-Value of insulation: __________________

Floors slab on grade
____________________
R-Value of insulation:
Horizontal/vertical requirement: ________________
slab heated: ________________
## LIFE SAFETY SYSTEM REQUIREMENTS

- **Emergency Lighting:** □ No □ Yes
- **Exit Signs:** □ No □ Yes
- **Fire Alarm:** □ No □ Yes
- **Smoke Detection Systems:** □ No □ Yes □ Partial ______
- **Carbon Monoxide Detection:** □ No □ Yes

## LIFE SAFETY PLAN REQUIREMENTS

- Fire Safety Plan Sheet #: ______________________
- □ Fire and/or smoke rated wall locations (Chapter 7)
- □ Assumed and real property line locations (if not on the site plan)
- □ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- □ Occupant loads for each area
- □ Exit locations (1013)
- □ Exit access travel distances (1017)
- □ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- □ Dead end lengths (1020.4)
- □ Clear exit widths for each exit door
- □ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- □ Actual occupant load for each exit door
- □ The square footage of each fire area (202)