

**2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(except 1 and 2-family dwellings and townhouses)**
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: **Brixz Pizza Patio Canopy**
Address: **502 Meadowmont Village Circle, Chapel Hill, NC** Zip Code: **27517**
Owner/Authorized Agent: **Jeff Barber** Phone # (**704**) **921** - **8743** E-Mail: **jeff@charlotterentandawing.com**
Owned By: _____ City/County _____ Private State _____
Code Enforcement Jurisdiction: _____ City _____ County State _____

CONTACT:

designer	firm	name	license #	telephone #	e-mail
Architect					
Civil					
Electrical					
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler-Standpipe					
Structural		Michael R Love, PE	Mike Love	11630 (704) 654-0324	mike@collierlove.com
Retaining Walls >5' High					
Other					

2018 NC BUILDING CODE: New Constr. Addition Renovation
 First Time Interior Completion
 Shell/Core - Contact local inspection jurisdiction for possible additional requirements
 Phased Construction - Shell/Core Contact local inspection jurisdiction for possible additional requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14
Alteration: Level I Level II Level III Level IV
Historic Property Change of Use A-2

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (Ch. 3): _____
RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (Ch. 3): **NO CHANGE A-2**

RISK CATEGORY (Table 1604.5): **Current:** I II III IV
Proposed: I II III IV

Note: Sprinklers shall be permitted to be omitted per 2019 NFPA 13 Sect. 9.2.3.2 and 2018 NCEBC- Sect 1102.3. (Addition increases the allowable fire area by less than 5 percent)

BASIC BUILDING DATA
Construction Type: (Table 601) I-A II-A III-A IV V-A
(check all that apply) I-B II-B III-B V-B
Sprinklers: (Section 903) No Partial Yes NFPA 13 NFPA 13R NFPA 13D
Standpipes: (Section 905) No Yes Class I II III Wet Dry
Fire District: No Yes Flood Hazard Area: X No Yes
Building Height: (feet) **23 +/-** (Table 504.3) Stories: **1** story at this addition
Special Inspections Required: No Yes (Contact local inspection jurisdiction for additional requirements)

GROSS BUILDING AREA

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUBTOTAL
1st Floor			
2nd Floor			
Mezzanine			
3rd Floor			
Basement			
TOTAL	21,215	720	21,935

ALLOWABLE AREA
Primary Occupancy Classification(s):
Assembly A-1 A-2 A-3 A-4 A-5
Business B
Educational E
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
 I-M
Mercantile M
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 U
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: **1** 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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

Story No.	Description and Use	(A) Area per Story (Actual)	(B) Table 506.2.4 Area	(C) Area for Frontage Increase 1.5	(D) Allowable Area Per Story or Unimbed 1.3

- Frontage area increases from Section 506.2 are computed thus:
 - Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 - Total Building Perimeter = _____ (P)
 - Ratio (F/P) = _____ (F/P)
 - W = Minimum width of public way = _____ (W)
 - Percent of frontage increase $I_f = 100[(F/P - 0.25) \times W/30] = \text{_____} (\%)$
- Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
- The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
- Frontage increase is based on the un-sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	Allowable	Actual Existing	Code Reference
Building Height in Feet (TABLE 504.3)	75	23 +/-	
Building Height in Stories (TABLE 504.4)	3	1	

Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS
Fire Separation distance is > 30', ∴ the required Fire-Resistance Rating for Exterior Walls per Table 602 is 0.

Building Element	Fire Separation Distance (Feet)	Rating (RFR) (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 45, 60, 90, 120, 180, 240, 300, 360, 480, 600, 720, 960, 1200, 1800, 2400, 3000, 3600, 4800, 6000, 7200, 9600, 12000, 18000, 24000, 30000, 36000, 48000, 60000, 72000, 96000, 120000, 180000, 240000, 300000, 360000, 480000, 600000, 720000, 960000, 1200000, 1800000, 2400000, 3000000, 3600000, 4800000, 6000000, 7200000, 9600000, 12000000, 18000000, 24000000, 30000000, 36000000, 48000000, 60000000, 72000000, 96000000, 120000000, 180000000, 240000000, 300000000, 360000000, 480000000, 600000000, 720000000, 960000000, 1200000000, 1800000000, 2400000000, 3000000000, 3600000000, 4800000000, 6000000000, 7200000000, 9600000000, 12000000000, 18000000000, 24000000000, 30000000000, 36000000000, 48000000000, 60000000000, 72000000000, 96000000000, 120000000000, 180000000000, 240000000000, 300000000000, 360000000000, 480000000000, 600000000000, 720000000000, 960000000000, 1200000000000, 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