

2012 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: Rowan Community College

Address: 1333 Jake Alexander Blvd South, Salisbury, NC Zip Code: 28146

Proposed Use: Training Lab

Owner/Authorized Agent: Danny Carpenter Phone # 704-216-7134 E-Mail danny.carpenter@rccc.edu

Owned By: RCCC City/County Private State

Code Enforcement Jurisdiction: City/County County: Rowan State

LEAD DESIGN PROFESSIONAL: Pete Bogle

DESIGNER FIRM Bogle Firm Architecture LICENSE # 10100 TELEPHONE # (704) 213-4553 E-MAIL pete@boglefirm.com

Civil Electrical Falcon Engineering James Basinger 33882 (704) 856-8215 jbsinger@falconengineers.com

Fire Alarm Falcon Engineering James Basinger 33882 (704) 856-8215 jbsinger@falconengineers.com

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Structural Falcon Engineering James Basinger 33882 (704) 856-8215 jbsinger@falconengineers.com

R. Walls >5' High

Other

2012 EDITION OF NC CODE FOR: ☐ New Construction ☐ Addition ☐ Upfit

EXISTING: ☐ Reconstruction ☐ Alteration ☐ Repair ☐ Renovation

CONSTRUCTED: (date) 2016 ORIGINAL USE(S) (Ch. 3): Business

RENOVATED: (date) CURRENT USE(S) (Ch. 3): Business

PROPOSED USE(S) (Ch. 3): Business

BASIC BUILDING DATA

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

(check all that apply) ☐ I-B ☐ II-B ☐ III-B

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

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

Fire District: ☐ No ☐ Yes (Primary) Flood Hazard Area: ☐ No ☐ Yes

Building Height: (feet) ±38' feet (existing, no change)

Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
6 <sup>th</sup> Floor			
5 <sup>th</sup> Floor			
4 <sup>th</sup> Floor			
3 <sup>rd</sup> Floor			
2 <sup>nd</sup> Floor	24,145	0	24,145
Mezzanine			
1 <sup>st</sup> Floor	38,720	0	38,720
Basement			
TOTAL	62,865	0	62,865

ALLOWABLE AREA

Occupancy:

Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5

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 ☐ I-2 ☐ I-3 ☐ I-4

I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

Mercantile ☐

Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4

Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled

Utility and Miscellaneous ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage

Accessory Occupancy:

Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5

Business ☐

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Incidental Uses (Table 508.2.5):

☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input

☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower

☐ Refrigerant machine room

☐ Hydrogen cutoff rooms, not classified as Group H

☐ Incinerator rooms

☐ Paint shops, not classified as Group H, located in occupancies other than Group F

☐ Laboratories and vocational shops, not classified as Group H, located in a Group F or I-2 occupancy

☐ Laundry rooms over 100 square feet

☐ Group I-3 cells equipped with padded surfaces

☐ Group I-2 waste and linen collection rooms

☐ Waste and linen collection rooms over 100 square feet

☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies

☐ Rooms containing fire pumps

☐ Group I-2 storage rooms over 100 square feet

☐ Group I-2 commercial kitchens

☐ Group I-2 laundries equal to or less than 100 square feet

☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412

☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424

☐ 425 ☐ 426 ☐ 427

Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

Mixed Occupancy: ☐ No ☐ Yes Separation: \_\_\_\_\_ Hr. Exception: \_\_\_\_\_

☐ Incidental Use Separation (508.2.5)

☐ This separation is not exempt as a Non-Separated Use (see exceptions).

☐ 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, as 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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$+ \dots = \dots \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA FOR FRONTAGE (ACTUAL)	(B) TABLE 503 AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1</sup>	(D) AREA FOR SPRINKLER INCREASE <sup>2</sup>	(E) ALLOWABLE AREA OR UNLIMITED <sup>3</sup>	(F) MAXIMUM BUILDING AREA <sup>4</sup>
1	Business	38,720	23,000	4,830	46,000	N/A	73,830
2	Business	24,145	23,000	4,830	46,000	N/A	73,830

<sup>1</sup> Frontage area increases from Section 506.2 are computed thus:  
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 530' (F)  
b. Total Building Perimeter = 350' (P)  
c. Ratio (F/P) = .56 (F/P)  
d. W = Minimum width of public way = 20' (W)  
e. Percent of frontage increase  $I = 100 [(F/P) - 0.25] \times W/30 = 21\%$  (%)

<sup>2</sup> The sprinkler increase per Section 506.3 is as follows:  
a. Multi-story building  $I = 200$  percent  
b. Single story building  $I = 300$  percent

<sup>3</sup> Unlimited area applicable under conditions of Section 507.

<sup>4</sup> Maximum Building Area = total number of stories in the building x E (506.4).

<sup>5</sup> The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

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(check all that apply) ☐ I-B ☐ II-B ☐ III-B

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PROPOSED USE(S) (Ch. 3): Business

BASIC BUILDING DATA

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

(check all that apply) ☐ I-B ☐ II-B ☐ III-B

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

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

Fire District: ☐ No ☐ Yes (Primary) Flood Hazard Area: ☐ No ☐ Yes

Building Height: (fe