

**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: Raleigh Union Station Mezzanine Office Fit Up
 Address: 510 W. Martin St., Raleigh, NC Zip Code: 27601
 Owner/Authorized Agent: Frank Jarez Phone #: (919) 596-3958 E-Mail: frank.jarez@raleighnc.gov
 Owned By: City
 Code Enforcement Jurisdiction: City

CONTACT: Louis Geris, AIA

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Innovative Design, Inc.	Louis Geris	0766	(919) 832-6303	louis@innovativedesign.net
Civil	Optima Engineering	Morgan Cluser	048210	(919) 926-2200	morgan@optimaengineering.com
Electrical	Optima Engineering	Morgan Cluser	048210	(919) 926-2200	morgan@optimaengineering.com
Fire Alarm	Optima Engineering	Morgan Cluser	048210	(919) 926-2200	morgan@optimaengineering.com
Plumbing	Optima Engineering	Chris Cook	039771	(919) 926-2200	chris@optimaengineering.com
Mechanical	Optima Engineering	Thomas Larden	040316	(919) 926-2200	tlarden@optimaengineering.com
Sprinkler Standpipe					
Structural					
Retaining Walls >9' High					
Other					

*Other should include firm and individual names such as firms, per-consult, per-engineered, interior designers, etc.)

2018 NC BUILDING CODE: Just Time Interior Completion
2018 NC EXISTING BUILDING CODE: Select one Select one Select one
 CONSTRUCTED: (date) 2018 CURRENT OCCUPANCY(S) (Ch. 3): A2 & B
 RENOVATED: (date) n/a PROPOSED OCCUPANCY(S) (Ch. 3): A2 & B (B is Fit Up)
OCCUPANCY CATEGORY (Table 1604.3): Current: III Proposed: II
Station is Category III, 1st Time Interior Completion is office and would be Category II if a standalone project.

BASIC BUILDING DATA
 Construction Type: II-B
 Sprinklers: Yes NFPA 13
 Standpipes: Class I - Wet
 Primary Fire District: No Flood Hazard Area: No
 Special Inspections Required: No

Gross Building Area Table			
FLOOR	EXISTING (SQ.FT)	NEW (SQ.FT)	SUB-TOTAL
Roof Mezzanine	2,373	0	2,373
Mech. Mezzanine	2,098	0	2,098
Upper Mezzanine	2,702	0	2,702
Lower Mezzanine	6,262 (affected area)	0	6,262
1 st Floor	33,341	0	33,341
Concourse	9,707	0	9,707
TOTAL	50,483	0	50,483

2018 NC Administrative Code and Policies

ALLOWABLE AREA - NO CHANGES FROM ORIGINAL PERMIT
 Primary Occupancy Classification(s): Assembly - A-2 Assembly - A-3 Business Mercantile
 Accessory Occupancy Classification(s): N/A Station originally permitted as Non-Separated Mixed Use
 Incidental Uses (Table 509): N/A Station originally permitted as Non-Separated Mixed Use
 Special Uses (Chapter 4 - List Code Sections): N/A
 Special Provisions (Chapter 5 - List Code Sections): N/A
 Mixed Occupancy: Yes Separation: Select one Exception: _____
 Non-Separated Use (508.3)

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

NO.	DESCRIPTION	(A)	(B)	(C)	(D)

¹ Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space, not including 20 feet minimum width _____ (F)
 b. Total Building Perimeter _____ (FP)
 c. Ratio (F/FP) = _____ (FR)
 d. W = Minimum width of the way _____ (W)
 e. Percent of frontage increase = $10 \times \text{FR} \times \text{W}$ _____ (%)
² Unutilized area is the area of the lot less the area of the building and the area of the parking area.
³ Maximum height of egress opening is the height of the opening x D (maximum distance) (506.2).
⁴ The maximum area of egress opening is the maximum area with Table 406.5.4. The maximum area of air traffic control tower is computed with Table 506.2.1.
⁵ Frontage increase is based on the unprinted area value in Table 506.2.

ALLOWABLE HEIGHT - NO CHANGES FROM ORIGINAL PERMIT

DESCRIPTION	ALLOWABLE	EXISTING ON PLANS	CODE REQUIREMENTS
Building Height in Feet (Table 504.3)	55	53	
Building Height in Stories (Table 504.4)	2	1	

Note: Code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

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FIRE PROTECTION REQUIREMENTS - NO CHANGES FROM ORIGINAL PERMIT

EXISTING ELEMENT	FIRE DEPARTMENT DISTANCE (FEET)	EXISTING	NEW	EXISTING	NEW	EXISTING	NEW
Structural Frame, including columns, girders, trusses							
Exterior Walls							
Exterior							
North		0	0				
East		0	0				
West		0	0				
South		0	0				
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North		0	0				
East		0	0				
West		0	0				
South		0	0				
Interior walls and partitions		0	0				
Floor Construction		0	0				
Including supporting beams and joists							
Floor Ceiling Assembly		0	1	EXIST	Original permit		
Ceiling Supporting Beams		0	0				
Floor Construction, including supporting beams and joists		0	0				
Roof Ceiling Assembly		0	1	EXIST	Original permit		
Ceiling Supporting Roof		0	0				
Shaft Enclosures - Exit		0	0				
Shaft Enclosures - Other		0	1	15419	Original permit		
Mech. Shaft at Elev. 01		1	1	15415	Original permit		
Elevator Shaft		2	2	15419	Original permit		
Fire Command ADA		1	1	15419	Original permit		
Curbside Separation		N/A	N/A				
Occupancy/Fire Barrier Separation		N/A	N/A		Non-Separated Mixed Use per original permit		
Particulate Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Smoke Partition		N/A	N/A				
Tenant/Use/Unit Separation		N/A	N/A				
Elevating Unit Separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				

* Indicate section number permitting reduction.

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PERCENTAGE OF OPENING CALCULATIONS - NO CHANGES FROM ORIGINAL PERMIT

PERCENTAGE OF OPENING	OF GROSS FLOOR AREA	ALLOWABLE AREA (%)	ACTUAL OPENING ON PLANS (%)
30 FT		No Limit	

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes
 Exit Signs: Yes
 Fire Alarm: Yes
 Smoke Detection Systems: Yes
 Carbon Monoxide Detection: Yes

LIFE SAFETY PLAN REQUIREMENTS
 Life Safety Plan Sheet #: 1, 5100 & 1, 5200

- Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations (if not on the site plan)
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Occupancy Use for each area as it relates to occupant load calculations (Table 1004.1.2)
- Occupant loads for each area
- 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
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)
- The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS - N/A
(SECTION 1107)

TYPE	ACCESSIBLE	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F
Required	Provided	Required	Provided	Required	Provided	Required	Provided

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ACCESSIBLE PARKING - NO CHANGES FROM ORIGINAL PERMIT
(SECTION 1106)

TOTAL # OF PARKING SPACES	TOTAL # OF ACCESSIBLE SPACES PROVIDED		TOTAL # OF SPACES AVAILABLE
	REQUIRED	PROVIDED	
TOTAL			

PLUMBING FIXTURE REQUIREMENTS - AFFECTED AREA ONLY
(TABLE 2902.1)

FIXTURE	EXISTING	NEW	REMOVED	REPLACED	ADDED	REMOVED
WASH	0	0	0	0	0	0
NEW	0	2	0	0	0	0
REQ'D	0	2	0	0	0	0

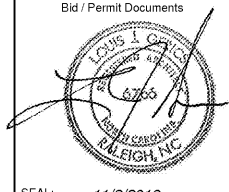
SPECIAL APPROVALS - N/A

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPL, DHS, etc.) _____

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BUY AMERICAN PROGRAM REQUIREMENTS

ALL PRODUCTS PROVIDED ON THIS PROJECT MUST BE MANUFACTURED IN COMPLIANCE WITH THE BUY AMERICAN PROGRAM FOR FEDERALLY FUNDED TRANSPORTATION PROJECTS PER CODE OF FEDERAL REGULATIONS 49 CFR 661. THESE REQUIREMENTS ARE DISTINCT AND DIFFERENT FROM THOSE OF THE BUY AMERICAN ACT OF 1933.



SEAL: 11/8/2019

Union Station Mezzanine Office Fit Up
 City of Raleigh Transit Division
 510 W Martin St, Raleigh, NC 27601

10		
9		
8		
7		
6		
5		
4		
3	Bid / Permit Set	11/8/19
2	CD	10/31/19
1	SD	9/25/19
NO.	SUBMISSION	DATE
CHECKED BY: MN		
DRAWN BY: LG		
PROJECT NUMBER: 1908		
SHEET NAME:		

CODE SUMMARY
 SHEET NUMBER: **CO02**

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