

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
(EXCEPT LAND 2-FAMILY DWELLINGS AND TOWNHOUSES)**  
(Reproduce the following data on the building plans sheet 1 of 2.)

Name of Project: Wilson Air Center North Terminal  
Address: 3427 Inverness Field Drive, Charlotte NC 28218  
Owner/Authorized Agent: Thomas Wesley, (704) 281-7051, thomas.wesley@wilsonair.com  
Created By: EDC  
Code Enforcement Jurisdiction: Cag

**CONTACT:** Travis Potts, The Wilson Group

Designer	Firm	Name	Title	Phone	Email
Civil	Talbott, Bright & Ellington	Jay Trumble	43-188	(704) 426-9770	jtrumble@tbce.com
Landscaping	Urban Design Partners	Paul Penzoni	1658	(704) 334-3303	paul@urbandesignpartners.com
Structural	Stewart	Mike Stewart	12906	(704) 929-2514	mike@stewart.com
Architectural	The Wilson Group	Travis Potts	4272	(704) 281-7051	travis@wilsonair.com
Plumbing	Saber	H. Wayne King	26015	(704) 373-8868	hsaber@saber-engineering.com
Fire Protection	Saber	H. Wayne King	26015	(704) 373-8868	hsaber@saber-engineering.com
Mechanical	Saber	H. Wayne King	26015	(704) 373-8868	hsaber@saber-engineering.com
Electrical	Saber	Rock McCreary	25949	(704) 373-8868	rmcree@saber-engineering.com
Telecommunications	W&E	Darrell Brown		(704) 373-8868	darrell@wne.com

\*All data should be in full letter and include each column in the project information section of the plan.

**2018 NC BUILDING CODE: New Building**

**OCCUPANCY CATEGORY (Table 104.2) Proposed: I1**

**BASIC BUILDING DATA**  
Construction Type: III-B  
Sprinklers: Yes, NFPA 13  
Standpipes: No  
Primary Fire District: 1111

**Hazard Area: 1111**

**Special Inspections Required: Yes (Obtain the local inspector's information for additional recordation and approval.)**

**Gross Building Area Table**

FLOOR	Net (SQ FT)
2 <sup>nd</sup> Floor	16,438
1 <sup>st</sup> Floor	15,217
TOTAL	32,295

**ALLOWABLE AREA**

Primary Occupancy Classification: Assembly - A-2  
Accessory Occupancy Classification: Retail - S101

Incidental Uses (Table 5-9):  
Special Uses (Chapter 4 - List Code Section):  
Special Provisions (Chapter 5 - List Code Section):

Mixed Occupancy: Yes Separation: Strict use Exception:  
Section 509  
Allowable Area of Occupancy A: Actual Area of Occupancy B:  $\leq 1$   
Allowable Area of Occupancy B: Actual Area of Occupancy B

TYPE	MINIMUM AREA	MAXIMUM AREA	MAXIMUM DISTANCE	MINIMUM CLEARANCE	MAXIMUM CLEARANCE	MINIMUM WIDTH	MAXIMUM WIDTH	MINIMUM CLEARANCE	
								TO TOP OF HEAD	TO TOP OF CORNER
1	Type II, A, B	76,488	28,208	Net Code	28,208	5'-0"	11'-0"	5'-0"	11'-0"

<sup>1</sup> Fireproof area increases from Section 505.2 are computed less:  
a. Features which form a public way or open space having 20 feet minimum width;  
b. Total Building Perimeter;  
c. Ratio of (b) to (a) 200;  
d. 1/2 the distance width of public way.  
<sup>2</sup> Unobstructed area applicable under conditions of Section 507.  
<sup>3</sup> Minimum Building Area = least number of stories in the building x (minimum 7 stories) (506.2).  
<sup>4</sup> The maximum area of open parking garages must comply with Table 404.5.4. The maximum area of air traffic control towers must comply with Table 417.3.1.  
<sup>5</sup> Percentage increase is based on the unobstructed area value in Table 506.2.

**ALLOWABLE HEIGHT**

MINIMUM HEIGHT	MAXIMUM HEIGHT	MINIMUM WIDTH	MAXIMUM WIDTH
Building Height in Feet (Table 504.2)	75'-0"	5'-0"	5'-0"
Building Height in Stories (Table 504.4)	4	2	2

**FIRE PROTECTION REQUIREMENTS**

SECTION REFERENCE	TYPE OF REQUIREMENT	APPLICABLE TO	SECTION #	SECTION #	SECTION #	SECTION #	SECTION #	SECTION #
Minimum Frame, including exterior panels, walls	1.906	1.906						
Exterior Walls								
Roofs								
Stairways								
Stair Enclosures								
Elevator Shafts								
Ramp Enclosures								
Escalator Enclosures								
Exit Passageways								
Exit Stairways								
Exit Ramps								
Exit Stairways								
Exit Stairways								
Exit Stairways								
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Exit Stairways								
Exit Stairways								
Exit Stairways								

**PERCENTAGE OF WALL OPENING CALCULATIONS**

FLOOR OR LEVEL	TYPE OF OPENING	AREA OF OPENING	PERCENTAGE OF WALL AREA
> 30'			

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting	Yes
Exit Signs	Yes
Size Signs	Yes
Smoke Detection System	Yes
Carbon Monoxide Detection	Yes

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet # 1, 1.3-1.11, 1.3-1.12

- Fire and smoke most wall locations (Chapter 7)
- Interior wall opening areas with respect to distance to nearest fire escape (707.2)
- Emergency Use for each floor area within or without building (710.1.1)
- Occupancy loads for each area (710.1.2)
- Exit access travel distance (710.1.3)
- Clearance of travel distance (Table 1006.2.1.1, 1006.2.1.2)
- Travel distance (1006.2.2)
- Clearance for each exit door (710.1.4)
- Emergency lighting (1006.2.3)
- Exit door egress load per each exit door (710.1.5)
- Exit door egress load per each exit door (710.1.6)
- Exit door egress load per each exit door (710.1.7)
- Exit door egress load per each exit door (710.1.8)
- Exit door egress load per each exit door (710.1.9)
- Exit door egress load per each exit door (710.1.10)
- Exit door egress load per each exit door (710.1.11)
- Exit door egress load per each exit door (710.1.12)
- Exit door egress load per each exit door (710.1.13)
- Exit door egress load per each exit door (710.1.14)
- Exit door egress load per each exit door (710.1.15)
- Exit door egress load per each exit door (710.1.16)
- Exit door egress load per each exit door (710.1.17)
- Exit door egress load per each exit door (710.1.18)
- Exit door egress load per each exit door (710.1.19)
- Exit door egress load per each exit door (710.1.20)

**ACCESSIBLE DWELLING UNITS**

TYPE	MINIMUM AREA	MINIMUM DISTANCE	MINIMUM CLEARANCE	MINIMUM WIDTH	MINIMUM HEIGHT	MINIMUM OPENING

**ACCESSIBLE PARKING**  
(SD 110, 111)

TYPE OF PARKING	MINIMUM AREA	MINIMUM DISTANCE	MINIMUM CLEARANCE	MINIMUM WIDTH	MINIMUM HEIGHT	MINIMUM OPENING
On-street						
Off-street						

**PLUMBING FIXTURE REQUIREMENTS**  
(TABLE 2002.1)

FIXTURE	MINIMUM CLEARANCE	MINIMUM DISTANCE	MINIMUM CLEARANCE	MINIMUM WIDTH	MINIMUM HEIGHT	MINIMUM OPENING
Water Closet						
Urinal						
Water Closet						
Urinal						

**SPECIAL APPROVALS**

Special approval: N/A Approval Required

**ENERGY SUMMARY - COMCHECK**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
STRUCTURAL DESIGN - PROVIDED ON STRUCTURAL SHEETS**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
MECHANICAL DESIGN - PROVIDED ON MECHANICAL SHEETS**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN - PROVIDED ON ELECTRICAL SHEETS**

**WILSON AIR CENTER  
NORTH TERMINAL**

**THE WILSON GROUP  
ARCHITECTS**  
PO BOX 5510 CHARLOTTE, NC 28239  
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**CIVIL ENGINEER**  
**TALBERT, BRIGHT & ELLINGTON**  
3525 WHITEHALL PARK DRIVE, SUITE 210  
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(704) 426-6070 FIRM NO.: C-1183

**STRUCTURAL ENGINEER**  
**STEWART**  
101 N. TRYON ST., SUITE 1400  
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**MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION ENGINEER**  
**SABER ENGINEERING**  
2625 S. TRYON ST., SUITE 200  
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**LANDSCAPE ARCHITECT**  
**URBAN DESIGN PARTNERS**  
1315-B CENTRAL AVENUE  
CHARLOTTE, NC 28205  
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**COMMUNICATIONS INFRASTRUCTURE**  
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246 LOVIEB FARM ROAD  
BLACKSBURG, SC 29702  
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**REVISIONS**

NO.	DATE	DESCRIPTION

DATE: DECEMBER 7, 2018  
PROJECT NUMBER: 9197-000  
SHEET TITLE: APPENDIX B

SHEET NUMBER: G-002

**Order Plans**

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