



VERIZON WIRELESS
HENDERSONVILLE-NEXT GEN
1602 FOUR SEASONS BLVD.
HENDERSONVILLE, NC 28792



ARCHITECT OF RECORD



ISSUE	DATE	DESCRIPTION
-	03/25/19	ISSUED FOR PERMIT

PROJECT INFORMATION

PROJECT NO: V2W.26121
 DATE: 03/13/2019
 SCALE: AS NOTED
 DRAWN BY: N.GLUKHOMAN
 CHECKED BY: V.ALVAREZ

SHEET TITLE

BUILDING CODE SUMMARY (NC ONLY)

SHEET NUMBER

T-002

2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 MECHANICAL DESIGN
 (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions

Mechanical Spacing Condition System

Unit: _____
 heating efficiency: _____
 lighting efficiency: _____
 size category of unit: _____
 Boiler: _____
 Chiller: _____
 Size category, if oversized, state reason: _____
 List equipment efficiencies: _____

EXISTING BUILDING - N/A

2018 NC Administrative Code and Policies

ENERGY SUMMARY

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 about the proposed design.

Existing building envelope complies with code: Select one

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: Select one

Method of Compliance: Select one
 (If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roofing Assembly (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Walls below grade (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

2018 NC Administrative Code and Policies

2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 STRUCTURAL DESIGN
 (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Wind (I_w) Select one
 Snow (I_s) Select one
 Seismic (I_e) Select one

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

EXISTING BUILDING - N/A

Provide the following Seismic Design Parameters:
 Occupancy Category (Table 604.5) Select one
 Spectral Response Acceleration S_s _____ %g
 S₁ _____ %g

Site Classification (ASCE 7) Select one
 Data Source: Select one

Basic structural system Select one
 Analysis Procedure: Select one
 Architectural, Mechanical, Components anchored? Select one

LATERAL DESIGN CONTROL: Select one

SOIL BEARING CAPACITIES:
Select one psf
 Pile size, type, and capacity _____ psf

2018 NC Administrative Code and Policies

Member	Area	U-Value	R-Value
Roof			
Walls			
Floors			
Windows			
Doors			
Other			

EXISTING BUILDING - N/A

PERCENTAGE OF WALL OPENING CALCULATIONS

Member	Area	U-Value	R-Value
Roof			
Walls			
Floors			
Windows			
Doors			
Other			

EXISTING BUILDING - N/A

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Select one X
 Exit Signs: Select one X
 Fire Alarms: Select one X
 Smoke Detection Systems: Select one X
 Carbon Monoxide Detection: Select one X

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G-101

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 calculation (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 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 (1010.1.9.5)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1039)
 The square footage of each fire area (202)
 The square footage of each smoke compartment (Table 1004.1.2)
 Note any code exceptions or tabular notes that are utilized regarding the items above

ACCESSIBLE BUILDING UNITS (SECTION 1107)

UNIT	TYPE	AREA	ACCESSIBLE

ACCESSIBLE PARKING (SECTION 1106)

SPACE	TYPE	AREA	ACCESSIBLE

EXISTING BUILDING - N/A

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.3)

FIXTURE	TYPE	AREA	REQUIREMENTS

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

2018 NC Administrative Code and Policies

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: VERIZON WIRELESS STORE
 Address: 1602 FOUR SEASONS BLVD, HENDERSONVILLE, NC Zip Code 28792
 Owner/Authorized Agent: JARED VERON Phone # (704) 635-5080 E-Mail JARED.VERON@VERIZONWIRELESS.COM
 Owned By: Select one
 Code Enforcement Jurisdiction: Select one

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	CORE STATES GROUP	KENNETH MACKENZIE	11013	(215) 809-2129	KMACKENZIE@CORE-ENG.COM
Electrical	CORE STATES GROUP	JOHN FERGUSON	634272	(770) 988-4400	JFERGUSON@CORE-ENG.COM
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler Standpipe					
Structural					
Retaining Walls >5' High					
Other					

2018 NC BUILDING CODE: Select one

2018 NC EXISTING BUILDING CODE: Select one Select one Select one

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (Ch. 3): _____
 RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (Ch. 3): _____

OCCUPANCY CATEGORY (Table 1604.5): Current: Select one X Proposed: Select one

BASIC BUILDING DATA

Construction Type: Select one V-B (EXISTING)
 Sprinklers: Select one Select one NON-SPRINKLERED BUILDING (EXISTING)
 Standpipes: Select one
 Primary Fire District: Select one Flood Hazard Area: Select one
 Special Inspections Required: Select one N/A

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor	4,523 SF (3,431 SF IN SCOPE)		
Basement			
TOTAL	4,523 SF		

ALLOWABLE AREA

Primary Occupancy Classification(s): Select one Select one Select one Select one Select one
 Accessory Occupancy Classification(s): N/A

2018 NC Administrative Code and Policies

Incidental Uses (Table 509)

Special Uses (Chapter 4 - Use Code Sections): _____
 Special Provisions (Chapter 5 - Use Code Sections): _____
 Mixed Occupancies: Select one Separation: Select one Exception: _____

Select one: $\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} \leq 1$
 Select one: $\frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.09$

STORY	NO. OF STORIES ABOVE	(L)	(R)	(C)	(D)
1 st FLOOR	0	100.0000	100.0000	100.0000	100.0000
2 nd FLOOR	1	100.0000	100.0000	100.0000	100.0000

EXISTING BUILDING - N/A

1. 1001 Building perimeter _____ (P)
 c. Ratio (F/P) = _____ (E/P)
 d. W Minimum width of public way = _____ (W)
 e. Percent of frontage increase $f = 100 [(F/P) - 0.25] \times W/30$ _____ (%)

¹ Unfurlished area applicable under conditions of Section 507.
² Minimum Building Area = total number of stories in the building x D (maximum) stories (506.2).
³ 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.
⁴ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

STORY	NO. OF STORIES ABOVE	(L)	(R)	(C)	(D)
1 st FLOOR	0	100.0000	100.0000	100.0000	100.0000
2 nd FLOOR	1	100.0000	100.0000	100.0000	100.0000

EXISTING BUILDING - N/A

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE RESISTANCE RATING	REQUIREMENTS	REMARKS
Structural Frame, including columns, girders, trusses	2	2	
Other			

EXISTING BUILDING - N/A

2018 NC Administrative Code and Policies