

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: New O'Reilly Auto Parts Store
Address: N. Main St.
City: Walnut Cove, NC

DESIGNER: Architectural Firm, Electrical, Fire Alarm, Plumbing, Mechanical, Structural, Retaining Walls
OWNER: Cameron Collins, P.E.

2018 NC BUILDING CODE: Existing Building, New Building, Addition, Renovation
2018 NC EXISTING BUILDING CODE: Existing Building, Alteration, Repair, Chapter 14

RISK CATEGORY (Table 1604.5): Current Proposed
BASIC BUILDING DATA: Construction Type, Sprinklers, Standpipes, Fire District, Special Inspections Required

Table with 3 columns: FLOOR, EXISTING (SQ FT), SUB-TOTAL. Rows include 3rd Floor, 2nd Floor, Mezzanine, 1st Floor, and Basement.

ALLOWABLE AREA
Primary Occupancy Classification(s): Select one
Secondary Occupancy Classification(s):

Mixed Occupancy: No
Special Uses (Chapter 4 - List Code Sections):
Special Provisions (Chapter 5 - List Code Sections):

Actual Area of Occupancy A + Actual Area of Occupancy B
Allowable Area of Occupancy A

Table with 4 columns: STORY NO., DESCRIPTION AND USE, BLDG AREA PER STORY (ACTUAL), ALLOWABLE AREA PER STORY OR PERMITTED?

Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having a street minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)

ALLOWABLE HEIGHT
Table with 4 columns: ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: No
Exit Signs: No
Fire Alarm: No
Smoke Detection Systems: No
Carbon Monoxide Detection: No

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #:
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on the site plan)

ACCESSIBLE PARKING (SECTION 1106)
Table with 4 columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED, TOTAL # ACCESSIBLE PROVIDED

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
Table with columns: USE, WATERCLOSETS, URINALS, LAVATORIES, SINKS, DRINKING FOUNTAINS

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

ENERGY REQUIREMENTS
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided.

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DESIGN LOADS: (PROVIDE THE STRUCTURAL LOADS IF APPLICABLE)
Importance Factor: 1.0
Live Loads: 20 psf Mezzanine, 100 psf Floor

SEISMIC DESIGN CATEGORY: A
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5): II
Spectral Response Acceleration: 0.176 %g

SITE CLASSIFICATION (ASCE 7): A
Basic structural system: Bearing Wall
Analysis Procedure: Simplified

LATERAL DESIGN CONTROL: Earthquake
SOIL BEARING CAPACITIES: Field Test (bearing capacity) 2500 psf

COMcheck Software Version 4.1.1.0
Envelope Compliance Certificate

Section 1: Project Information
Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: New O'Reilly Auto Parts Store

Section 2: Envelope Assemblies and Requirements Checklist
Envelope Assemblies:
Component Name/Description, Glass Area, Cavity R-Value, Cont. R-Value, Proposed U-Factor, Budget U-Factor

Lighting Wattage:
1. Total proposed wattage must be less than or equal to total allowed watts.

Section 3: Compliance Statement
Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application.

Section 4: Requirements Checklist
1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.

Section 5: Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application.

COMcheck Software Version 4.1.1.0
Exterior Lighting Compliance Certificate

Section 1: Project Information
Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: New O'Reilly Auto Parts Store

Section 2: Exterior Lighting Area/Surface Power Calculation
Table with 6 columns: Exterior Area/Surface, Quantity, Allowed Watts, Tradable Watts, Allowed Watts (B+C), Proposed Watts

Section 3: Exterior Lighting Fixture Schedule
Table with 5 columns: Fixture ID - Description / Lamp / Wattage Per Lamp / Ballast, Lamp/Fixture, # of Fixtures, Fixture Watt, Fixture (C x D)

Section 4: Requirements Checklist
Lighting Wattage:
1. Written each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts.

Section 5: Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application.

COMcheck Software Version 4.1.1.0
Interior Lighting Compliance Certificate

Section 1: Project Information
Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: New O'Reilly Auto Parts Store

Section 2: Interior Lighting and Power Calculation
Table with 4 columns: Floor Area, Allowed Watts/Fsq, Allowed Watts

Section 3: Interior Lighting Fixture Schedule
Table with 5 columns: Fixture ID - Description / Lamp / Wattage Per Lamp / Ballast, Lamp/Fixture, # of Fixtures, Fixture Watt, Fixture (C x D)

Section 4: Requirements Checklist
Lighting Wattage:
1. Total proposed wattage must be less than or equal to total allowed watts.

Section 5: Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application.

COMcheck Software Version 4.1.1.0
Mechanical Compliance Certificate

Section 1: Project Information
Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: New O'Reilly Auto Parts Store

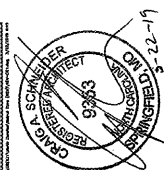
Section 2: General Information
Building Location (for weather data): Walnut Cove, North Carolina

Section 3: Mechanical Systems List
Quantity, System Type & Description
1. HVAC System 1 (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 45,000 BTU/hr

Section 4: Requirements Checklist
Requirements Specific to HVAC System 1:
1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % E1 (or 78% AFUE)

Section 5: Compliance Statement
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application.

Section 6: Post Construction Compliance Statement
HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.



PROJECT: NEW O'REILLY AUTO PARTS STORE
N. MAIN ST.
WALNUT COVE, NC
CODE REVIEW SHEET

CR1.1