

2012 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (Includes: New Construction, Upfits, Renovations, Additions) (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (UPDATED 3-24-16)

Project Information - (Required information for all projects)

Name of Project: WILKES COMMUNITY COLLEGE CULINARY LAB, Address: 1328 S. Colgate Drive, P.O. Box 120, Wilkesboro, NC, Zip Code: 28687, Proposed Use: BUSINESS (CULINARY PROGRAM TEACHING LABS)

c. Design Professional Information - (Required information for all projects)

Table with columns: LEAD DESIGN PROFESSIONAL - FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL, DESIGNER, FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL

f. Type of work being performed - (Required information for all projects)

Building Code: 2012 North Carolina State Building Code (NCSBC), Check all that apply: New building, Addition, Existing Building Data

i. REHAB Code (Existing Building Code)

2012 NC REHAB CODE Information: Scope of Work / work area must be labeled and delineated on plan, Check all that apply: Repair, Renovation, Alteration, Demolition

g. Existing Building Data - (Required information for all projects)

Table with columns: Construction Year, Original Building Use, Original Building Date, Construction Class (I, II, III, IV, V), Gross Building Area

h. Allowable Area / Occupancy Classification - (Required information for all projects)

Table for occupancy classification with columns: Occupancy (Assembly, Business, Educational, Factory, Hazardous, Institutional, L3 Condition, Mercantile, Residential, Storage, Utility and Miscellaneous) and classification codes (A-1, A-2, A-3, A-4, A-5, B-1, B-2, B-3, B-4, B-5, C-1, C-2, C-3, C-4, C-5, D-1, D-2, D-3, D-4, D-5, E-1, E-2, E-3, E-4, E-5)

identical Uses: If applicable, areas with additional requirements (Table 506.2.5)

Special Uses: If Applicable, 0602 (0603, 0604), 0605 (0606), 0607 (0608), 0609 (0610, 0611), 0612 (0613, 0614), 0615 (0616, 0617, 0618), 0619 (0620), 0621 (0622), 0623 (0624), 0625 (0626), 0627

Actual Area of Occupancy A, Allowable Area of Occupancy A <= 1, Actual Area of Occupancy B, Allowable Area of Occupancy B <= 1.00

Table with columns: STORY NO, DESCRIPTION AND USE, (A) BLDG AREA (ACTUAL), (B) BLDG AREA (ALLOWABLE), (C) OPEN SPACE (ACTUAL), (D) OPEN SPACE (ALLOWABLE), (E) PERCENT INCREASE, (F) PERCENT DECREASE

- 1) 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... b) Total Building Perimeter... c) Ratio (FP) = (P)/(P1)...

Table with columns: ALLOWABLE (TABLE 503), INCREASE FOR SPRINKLERS, SHOWN ON PLANS, CODE REFERENCE

i. Fire Protection Requirements (Chapter 7) - (Required information for all projects)

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE, RATING AND REDUCTION, RETAIL SHEET #, DESIGN # FOR PENETRATION ASSEMBLY, DESIGN # FOR FORCED PENETRATION POINTS

i. Wall Legends - (Required for all Projects)

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATED BY A WALL LEGEND ON ALL PLANS: Fire Walls 706.2, Fire Barriers 706.3, Shaft Enclosure 706.4, Fire Partitions 706.5, Smoke Barriers 710.2, Smoke Partitions 710.3

m. Life Safety Systems (Existing or new systems) - (Required for all Projects)

- Emergency Lighting (1006), Exit Signs (1011), Fire Alarm (2001, NFPA 72:2003), Smoke Detection Systems (907), Panic Hardware (1008.110), Life Safety System Generator (2702.2)

n. Life Safety Plan Check list for compliance - (Required for all projects) Check items that are applicable to your project

Table with columns: FLOOR, ROOM OR SPACE DESIGNATION, NUMBER OF EXITS, MINIMUM TRAVEL DISTANCE, MINIMUM CLEAR WIDTH, ARRANGEMENT OF EXITS

p. Accessible Seating Units and sleeping units - (Only for R-1, R-2 occupancy) (1107)

Table with columns: TOTAL ACCESSIBLE UNITS, TOTAL UNITS, TYPE A, TYPE B, TYPE C

q. Accessible Parking - (Projects that are New Construction, Additions, Change of Use) (1106)

Table with columns: PAVING LOT, TOTAL # OF PARKING SPACES, TOTAL # OF ACCESSIBLE SPACES PROVIDED

r. Structural Design

Table with columns: Importance Factors (ASCE/SEI 1.0-5.15), Wind, Snow, Seismic, Live Loads, Wind Load, Ground Snow Load

SEISMIC DESIGN CATEGORY (1613.1, 1613.5.6)

Provide the following Seismic Design Parameters: Occupancy Category (Table 1604.5), Spectral Response Acceleration (Engineer's or S. S. 27.6), Site Classification (Table 1613.5.2), Analysis Procedure (Simplified, Equivalent Lateral Force, Dynamic)

LATERAL DESIGN CONTROL - Earthquake (Wind) SPECIAL INSPECTIONS REQUIRED

SPECIAL INSPECTIONS REQUIRED: Yes/No, Special Inspections - (if applicable to your project)

SCHEDULE OF SPECIAL INSPECTION SERVICES

- No special inspections required, No special inspections required for special inspections for this project, The construction division which requires special inspections for this project are as follows:

Table with columns: ITEM #, DESCRIPTION, SPECIAL INSPECTION REQUIRED

i. Plumbing and Heating Systems - (New Construction, Additions, Upfits, Alterations and Change of Use) (Required occupant load)

Table with columns: OCCUPANCY AND/OR SPACE DESIGNATION, WATER CLOSETS, URINALS, LAVATORIES, SHOWERS, DRINKING FOUNTAINS

u. Special Approvals (if applicable to your project)

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

v. Energy Summary (New Construction, Additions, Change of use and upfits)

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet.

Method of Compliance:

- Prescriptive (NCECC), Performance (NCECC or COMcheck) Report must be reproduced on drawings, Prescriptive (ASHRAE 90.1-2010 with addenda 2013 supplement), Performance (ASHRAE 90.1-2010)

THERMAL ENVELOPE: (NCECC Chapter 4 and 5)

Table with columns: THERMAL ENVELOPE, Description of assembly, U-Value of total assembly, R-Value of insulation

MECHANICAL SUMMARY (NCECC 503) This information may be located on the mechanical sheets.

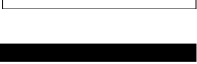
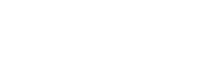
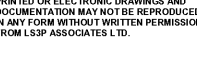
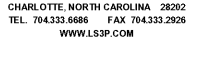
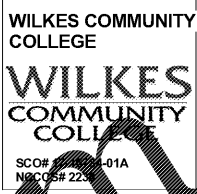
Table with columns: Thermal Zone, Description, Winter dry bulb, Summer dry bulb, Relative humidity, Heating degree load, Building cooling load, Mechanical System, Cooling efficiency, Size category of unit

ELECTRICAL SUMMARY (NCECC 505) This information may be located on the electrical sheets.

- ASHRAE 90.1, Prescriptive, Performance, Lighting schedule (each fixture type), Lamp type required in future, number of lamps in future, ballast type used in the future, number of ballasts in future, total interior wattage specified vs. allowed, total exterior wattage specified vs. allowed

Additional Required Prescriptive Compliance

- 506.2.1 More Efficient Mechanical Equipment, 506.2.2 Reduced Lighting Power Density, 506.2.3 Energy Recovery Ventilation Systems, 506.2.4 Higher Efficiency Service Water Heating, 506.2.5 On-Site Supply of Renewable Energy, 506.2.6 Automatic Daylighting Control Systems



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