

**2012 APPENDIX B
 BUILDING CODE SUMMARY - MODIFIED
 (For Use With CTAC Commercial Fire/Water REPAIR Projects in R-2 & R-3 Only)**



a. Project Information – (Required information for all projects)

Name of Project: _____
 Address: _____ Zip Code _____
 Proposed Use: _____
 Owner/Authorized Agent: _____ Phone # (____) _____ E-Mail _____
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City _____ County _____ State

b. Project Summary/ Alternative Means of Compliance – (Required information for all projects)

Existing Building description: _____

Scope of work details: _____

If applicable to your project: Alternative Means of Compliance/Engineering Judgment:
<http://www.charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/Tools/CodeInterpretations/Pages/default.aspx>
 (Approval needed from the Code Administrator is required before submitting)

c. Design Professional Information – (Required Information for all Projects)

LEAD DESIGN PROFESSIONAL: _____

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	_____	_____	_____	INCLUDE EXT. (____)_____	_____
Civil	_____	_____	_____	(____)_____	_____
Electrical	_____	_____	_____	(____)_____	_____
Fire Alarm	_____	_____	_____	(____)_____	_____
Plumbing	_____	_____	_____	(____)_____	_____
Mechanical	_____	_____	_____	(____)_____	_____
Sprinkler-Standpipe	_____	_____	_____	(____)_____	_____
Structural	_____	_____	_____	(____)_____	_____
Retaining Walls >5' High	_____	_____	_____	(____)_____	_____
Other	_____	_____	_____	(____)_____	_____

d. Type of work being performed is limited to REPAIRS

Use of this Modified Appendix B is limited to Repair projects submitted through CTAC under Mecklenburg County's Fire/Water Restoration Policy. A **REPAIR** is defined as the restoration to good or sound condition of a component(s) of an existing building. A Repair restores the damaged components to pre-damage conditions **without** any modification to layout or materials.

e. Not Used

f. 2012 REHAB Code (valid until March 2018) or 2015 NC Existing Building Code

<http://charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/PlanReview/Pages/NCRehabCode.aspx>

2012 NC REHAB CODE – **Repair** per section 1.4

Justifications for using the REHAB code:

2015 NC EXISTING BUILDING CODE (NCEBC) – **Repair**

Choose compliance method from Chp 3: Prescriptive Work Area Performance

Existing Building Data: (for NC Rehab or NC Existing Building Code)

Last known legal occupancy use _____ Historic Property: Yes No

Original Building Construction Date: _____

Reviewers Notes for Field Inspector: _____

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

Construction Type: (Table 601) I-A II-A III-A IV-HT V-A
(check all that apply) I-B II-B III-B V-B

Sprinklers: (Section 903) No Partial Yes NFPA 13-07 NFPA 13R-07 NFPA 13D-07

Standpipes: (Section 905) No Yes Class I II III Wet Dry NFPA 14-07

Fire District: <http://charmeck.org/city/charlotte/Fire/Pages/default.aspx> No Yes (Primary)(Appendix D)

Flood Hazard Area: (Appendix G) No Yes

Building Height: (feet) _____ (Table 503) Stories: _____

Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	ALT./RE	SUB-TOTAL
6 th Floor				
5 th Floor				
4 th Floor				
3 rd Floor				
2 nd Floor				
Mezzanine				
1 st Floor				
Basement				
TOTAL				

h. Occupancy Classification – (Required information for all projects)

Occupancy: Limited to R-2 & R-3 occupancies.

Special Uses: Section 420 – Groups I-1, R-1, R-2, R-3 is **always** applicable.

Identify other special uses if Applicable: 403-High Rise Bldg 419-Live/Work Units
 425-Licensed Residential Care Facility 426-Licensed Adult & Child Day Care

i. Not Used

j. Fire Protection Requirements (Chapter 7) -- (Required Information for all projects)

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING **		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
		REQ'D	PROVIDED (w/_____* REDUCTION)				
Structural Frame, including columns, girders, trusses							
Bearing Walls (see section 601 - 602 if rated)							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions- (see section 601 - 602 if rated)							
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction Including supporting beams and joists							
Roof Construction Including supporting beams and joists							
Shaft Enclosures - Exit							
Shaft Enclosures - Other than Exit							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

* Indicate section number permitting reduction.

** At a minimum the req'd & provided rating info shall be listed; if rated assemblies are being repaired, provide rated design #.

k. Not Used

l. Wall Legends – (Required for all Projects)

CHECK IF THE FOLLOWING ARE PRESENT

- Fire Walls 706
 Fire Barriers 707
 Shaft Enclosure 708
 Fire Partitions 709
 Smoke Barriers 710
 Smoke Partitions 711
 No rated walls are present

Sections m. thru u. Not Used

v. Energy Summary

ENERGY REQUIREMENTS:

All new work installed as part of a Repair is required to comply w/ the applicable provisions of the current NC Energy Conservation Code. For repairs being made under the Work Area Compliance method of the NC Existing Building Code, see section 610 of that code for further information on insulation & glazing.

House Bill 201 (Aug 2014) allows an alternate path for energy conservation code compliance for alterations and/or additions to certain existing buildings and structures **not classified as Group R occupancy** and having received a certificate of occupancy prior to January 1, 2012 allowing the use of the provisions of the 2009 NC Energy Conservation Code in lieu of the provisions of the 2012 NC Energy Conservation Code.

For more info go to www.ncdoi.com – type “HB 201” in search field.

Climate Zone for Mecklenburg County: 3A per NCECC Table 301.1

THERMAL ENVELOPE: (NCECC **Chapter 4 and or 5**) – Please complete when repair involves work on the thermal envelope.

Roof/ceiling Assembly (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
 U-Value of skylight: _____
Total percentage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing) _____ % of above grade walls
 U-Value of assembly: _____
 Solar heat gain coefficient: _____
 Projection factor: _____
 Door U-Values: _____

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: _____
Horizontal/vertical requirement: _____
slab heated: _____

MECHANICAL SUMMARY (NCECC 503) – Please complete when repair involves work on the mechanical system.

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone: 3A

winter dry bulb: _____

summer dry bulb: _____

Interior design conditions

winter dry bulb: _____

summer dry bulb: _____

relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System

Unitary

description of unit: _____

heating efficiency: _____

cooling efficiency: _____

size category of unit: _____

Boiler

Size category. If oversized, state reason.: _____

Chiller

Size category. If oversized, state reason.: _____

List equipment efficiencies: _____

ELECTRICAL SUMMARY (NCECC 505) – Please complete when repair involves work on the electrical system.

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

Energy Code: Prescriptive Performance

ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)

lamp type required in fixture

number of lamps in fixture

ballast type used in the fixture

number of ballasts in fixture

total wattage per fixture

total interior wattage specified vs. allowed (whole building or space by space)

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
