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: KITCHE	N REMODEI		
Address: 1000 ANDOVER			Zip Code 28211
Owner/Authorized Agent	: MARIO HODGE Phone # (704) 891 _ 2840	E-Mail MARIO@HCNCINC.COM
Owned By:	☐ City/County	Private	☐ State

County MECK

CONTACT:					
DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE #	E-MAIL
Architectural				_ ()	
Civil				_ ()	
Electrical				_ ()	
Fire Alarm				_ ()	
Plumbing				_ ()	
Mechanical				_ ()	
Sprinkler-Standpi	pe			_ ()	
Structural				_ ()	
Retaining Walls >		MARIO HODG	T LIC CC	(<u>)</u> (704) 891-2840	MARIO@HC
Other	HCNC INC.	IVIARIO HODG	E LIC GC	_ (104)891-2840	WARIO@HC

2018 NC BUILDING CODE: New Building Addition Renovation ☐ 1st Time Interior Completion

> Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14 ☐ Change of Use ☐ Historic Property CURRENT OCCUPANCY(S) (Ch. 3): RESIDENTIAL CONSTRUCTED: (date) 1954 PROPOSED OCCUPANCY(S) (Ch. 3): RESIDENTIAL **RENOVATED:** (date) ²⁰²¹ **RISK CATEGORY** (Table 1604.5): Current: I I II III IV

("Other" should include firms and individuals such as truss, pre-engineered, interior designers, etc.)

Proposed: I II III IV BASIC BUILDING DATA ☐ II-B ✓ III-B U-B Fire District: Yes Flood Hazard Area: No Yes

procedures and requirements.)

2018 NC Administrative Code and Policies

Code Enforcement Jurisdiction:

BLDG AREA PER TABLE 506.2^4 AREA FOR FRONTAGE ALLOWABLE AREA PER INCREASE1,5 STORY (ACTUAL) STORY OR UNLIMITED^{2,3}

¹ Frontage area increases from Section 506.3 are computed thus:

a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F) b. Total Building Perimeter

c. Ratio $(F/P) = ____ (F/P)$

d. W = Minimum width of public way = _____(W) e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ _____(%)

² Unlimited area applicable under conditions of Section 507. ³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).

⁴ The maximum area of open parking garages must comply with Table 406.5.4. ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²			
Building Height in Stories (Table 504.4) ³			

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. ² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

SCOPE OF WORK PER PERMIT APPLICATION ORIGINAL PERMIT: B4051447 PULLED AS RES BY MISTAKE

REPLACING EXISTING WALL WITH NEW 2X4 AND ADDING NEW OUTLEST INTO THE WALL AND NEW LIGTHS AND $\check{}$ PLUMBING MOVING THE RANGE 5 FEET TO THE RIGHT AND $\check{}$ REPLACING THE DISHWASHER AND NEW SINK

2018 NC Administrative Code and Policies

PERCENTAGE OF WALL OPENING CALCULATIONS

(FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	☑ No ☐ Yes
Exit Signs:	☑ No ☐ Yes
Fire Alarm:	🕖 No 🔲 Yes
Smoke Detection Systems:	🗌 No 💋 Yes 🗌 Partial
Carbon Monoxide Detection:	☐ No Ø Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: N/A

- 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 structure 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 (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)
- The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

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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 sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the

Existing building envelope complies with code: No Yes (The remainder of this section is not applicable) Exempt Building: No Yes (Provide code or statutory reference):

Climate Zone: \square 3A \square 4A \square 5A

Method of Compliance: Energy Code Performance ASHRAE 90.1 Performance Prescriptive

(If "Other" specify source here)____

THERMAL ENVELOPE (Prescriptive method only)

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 square footage of skylights in each assembly:

Exterior Walls (each assembly) Description of assembly:

R-Value of insulation: Openings (windows or doors with glazing)

U-Value of total assembly:

U-Value of assembly: Solar heat gain coefficient: projection factor:

Door R-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:

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Level II Alteration.

Gross Building Area Table									
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL						
3 rd Floor									
2 nd Floor									
Mezzanine									
1st Floor 1000 SF									
Basement									
TOTAL									

ALLOWABLE AREA

Primary Occupancy Classification(s): Assembly \square A-1 \square A-2 \square A-3 \square A-4 \square A-5 Business Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM ☐ I-2 Condition ☐ 1 ☐ 2 \square I-3 Condition \square 1 \square 2 \square 3 \square 4 \square 5 ☐ I-4 Mercantile

Residential R-1 R-2 R-3 R-4 ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage Utility and Miscellaneous

Accessory Occupancy Classification(s): N/A

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Incidental Uses (Table 509): **Special Uses (Chapter 4 – List Code Sections): Special Provisions: (Chapter 5 – List Code Sections):**

Mixed Occupancy: ✓ No ☐ Yes Separation: _____ Hr. Exception: ____ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of

construction, so determined, shall apply to the entire building. Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

<u>Actual Area of Occupancy A</u> + <u>Actual Area of Occupancy B</u> ≤ 1 Allowable Area of Occupancy A Allowable Area of Occupancy B

+ ____ + = <u>≤</u> 1.00

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT FIRE RATING DETAIL# DESIGN# SHEET#FOR SHEET#

	SEPARATION	REQ'D	PROVIDED	AND	FOR	RATED	FOR
	DISTANCE		(W/*	SHEET #	RATED	PENETRATION	RATED
	(FEET)		REDUCTION)		ASSEMBLY		JOINTS
Structural Frame,							
including columns, girders, trusses	N/A						
Bearing Walls	N/A						
Exterior	N/A						
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions							
Exterior walls	N/A						
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction		N/A					
Including supporting beams							
and joists							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including		N/A					
supporting beams and joists							
Roof Ceiling Assembly		N/A					
Columns Supporting Roof		N/A					
Shaft Enclosures - Exit		N/A					
Shaft Enclosures - Other		N/A					
Corridor Separation		N/A					
Occupancy/Fire Barrier Separa	tion	N/A					
Party/Fire Wall Separation		N/A	_				
Smoke Barrier Separation		N/A	Pr	ovide	the ul:	#, design	n and
Smoke Partition		N/A	la la	cation	of this	fire rat	ed
Tenant/Dwelling Unit/ Sleeping Unit Separation		2HR	2HR 05	sembl	v (Ruil	dina)	eu
Incidental Use Separation			۵٥		. (Dan	ישייים	

* Indicate section number permitting reduction

ACCESSIBLE DWELLING UNITS (SECTION 1107)

(SECTION 1107)									
TOTAL	ACCESSIBLE	ACCESSIBLE	TYPE A	TYPE A	Түре В	Түре В	TOTAL		
Units	Units	Units	Units	Units	Units	Units	ACCESSIBLE UNITS		
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	PROVIDED		

ACCESSIBLE PARKING

(SECTION 1106)											
LOT OR PARKING	TOTAL # OF PA	RKING SPACES	# OF ACC	TOTAL#							
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPACI	ACCESSIBLE						
			5' ACCESS AISLE	132" ACCESS	8' ACCESS	PROVIDED					
				AISLE	AISLE						
TOTAL											

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS	DRINKING FOUNTAINS			
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW										
	REQ'D										

SPECIAL APPROVALS

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

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) **DESIGN LOADS:**

Snow (I_S) Importance Factors: Seismic (I_E) Live Loads: Mezzanine _____ psf

Floor Ground Snow Load:

Ultimate Wind Speed _____ mph (ASCE-7) Exposure Category _____ SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) I II III IV Spectral Response Acceleration S_S_____%g Data Source: Field Test Presumptive Historical Data

Basic structural system Bearing Wall ☐ Dual w/Special Moment Frame ☐ Dual w/Intermediate R/C or Special Steel ☐ Building Frame The requirements for resubmitting drawings after disapproval are as follows and can be

ACCURATELY. -You must resubmit the original, complete, and un-altered disapproved set of drawings

found on our website at meckpermit.com: PLEASE FOLLOW THESE INSTRUCTIONS

showing all of our comments/stamps in red. Do not mark on or modify the disapproved set of drawings.

-Attach/combine your revised-only drawings BEHIND the original disapproved set , including all disapproved revised drawings, with all of your revisions clouded and tagged as perstandard architectural practice. Update the seal dates on all revised drawings to match the drawing's revision date. If you need to add a new sheet to your drawing set, label it as such, update your drawing index indicating that this is a new sheet added and resubmit the drawing index sheet too. DO NOT INSERT/COLLATE YOUR REVISED DRAWINGS INTO THE ORIGINAL DISAPPROVED SET.

All of the above-mentioned drawings shall be in one, single pdf file.

Please Contact Shazia Khan at 980-314-3241 or Shazia.Khan@Mecklenburgcounty.gov to discuss your Redlines

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2018 NC Administrative Code and Policies

All electrical materials, devices, appliances and equipment shall be label/listed by UL or a North Carolina approved third party testing agency.

The 2020 NEC is now in effect for all North Carolina projects.

information/drawings.

No Electrical information has been provided. Provide all

necessary electrical equipment/device installation

Need a single line riser diagram showing all new and/or affected services,feeders,wire sizes and insulation types and conduit sizes and types.

Need the panel schedule with connected and demand loads shown. Show the wiring methods, conduit sizes and types, termination temperature (60, 75, 90 degrees) requirements, conductor sizes and insulation types.

Show where the service for this building is located at and identify the service.

Need the mfg./cut sheets for all new equipment being installed.

PROVIDE DRAWINGS OR CLEAR SCOPE OF WORK FOR ANY PLUMBING AND MECHANICAL THAT IS BEING DONE

Cumming

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FIRE: Show compliance with NCIFC 2018 ed. Sec. 915.1.1 Where required. Carbon monoxide detection shall be provided in A-2, Group I-1, I-2, I-4, and R occupancies and in classrooms in Group E occupancies in the locations specified in Section 915.2 where any of the conditions in Sections 915.1.2 through 915.1.6 exist.

13'-0" BEDROOM TWO 10'-9" **KITCHEN** NO WORK IN BEDROOMS OR EXISTING BATHROOMS. Provide an existing layout plan along with new proposed layout plan and associated details such as partition detail; will the partition be constructed out of metal or wood studs? Show clearly which wall is being demolished. Are there any existing rated assemblies in your project? If so please show them on the plans and fill out the fire protection requirement table correctly along with the ul # and detail. (Building) LIVING ROOM BEDROOM 1

FIRE: Show compliance with NCIFC 2018 ed. Sec. 907.2.11.2 Groups R-2, R-3, R-4 and I-1. Single or multiple-station smoke alarms shall be installed and maintained in Groups R-2, R-3, R-4 and I-1 regardless of occupant load at all o the following locations:

1. On the ceiling or wall outside of each separate sleeping area in the

immediate vicinity of bedrooms.

2. In each room used for sleeping purposes.

3. In each story within a dwelling unit, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

SCOPE OF WORK: RE-FRAME TENANT WALL WITH NEW 2X 4 STUD **INSULATED ARE WITH R-13** NEW OUTLETS ON WALL FOR KITHCEN APPLICANCE. ADD WATER LINE FOR REFRIGERATOR

1/2" = 1'