2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(Includes: New Construction, Upfits, Renovations, Additions)
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

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

Name of Project: Taco Bell
Address: 3923 Shakedown Street Zip Code 28216
Proposed Use: Drive-thru/Carryout/Dine-in fast food restaurant
Owner/Authorized Agent: Bradley Doeden Phone # (316) 265 - 9367 E-Mail bdoeden@glmv.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County Mecklenburg ☐ State

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

Building description: Drive-thru/carryout restaurant with wood framing and EIFS finishes.

Scope of work details: (If phased construction, please see plan submittal guidelines for submittal requirements.) http://www.charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/Tools/Publications/Documents/psguide.pdf
Full site work including utilities and grading with new building, including slab.

Does this project have air rights, easements, an assumed or deeded property line, no build easements or other circumstances similar to the aforementioned? Yes ______ No X If yes, please provide a copy of the official documents.

Renovation projects only: If you are using the Performance Compliance Method from Chapter 14 of the NCEBC or NFPA 101 as an alternative for Code compliance please schedule a preliminary review before submitting your project for review. Notes for Plans Examiner and Inspectors: Please ensure Table 1401.7 and 1401.9 from the 2015 NCEBC are on the plans if using Chapter 14 of the NCEBC.
N/A

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)
N/A

Check if applicable to your project:

☐ Industrial equipment with declaration document attached. [See www.Meckpermit.com (Electrical Services)] http://www.charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/Inspections/Trades/Electrical/Documents/IndustrialMachineryFAQ.pdf

☐ RTAP (Revisions to approved plans.) [See www.Meckpermit.com (Commercial Plan Review Services)] http://charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/PlanReview/Pages/RevisionstoApprovedPlansProcess.aspx

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

LEAD DESIGN PROFESSIONAL: Mark D. McCluggage, AIA, CCS

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE # INCLUDE EXT.	E-MAIL
Architectural	GLMV Architecture, PLLC	Mark D. McCluggage	7628	(316) 265-9367	slg@glmv.com
Civil	Cornelison Eng. & Design	Craig Cornelison	037118	(813) 788-7835	craig@cornelison-eng.com
Electrical	DeVita, Inc.	Ryan A. Gray	042363	(864) 527-0325	rgray@devitainc.com
Fire Alarm				( )	
Plumbing	DeVita, Inc.	David Vigue	037515	(864) 527-0325	dvigue@devitainc.com
Mechanical	DeVita, Inc.	David Vigue	037515	(864) 527-0325	dvigue@devitainc.com
Sprinkler-Standpipe				( )	
Structural	Britt Peters & Associates	C. Jason McDonald	27245	(864) 271-8869	cjmcdonald@brittpeters.com
Retaining Walls >5' High				( )	
Other				( )	

d. Type of work being performed -- (Required Information for all Projects)

What type of work is being performed?

☒ New Construction:

(A project from the site work through the completion of work required for tenant occupancy) This includes Shell buildings.

☐ Addition: (An Existing Building that is adding heated or unheated space. This could be an addition to the footprint or a vertical expansion) http://ecodes.biz/ecodes_support/free_resources/2012NorthCarolina/Building/PDFs/Chapter%202%20-%20Definitions.pdf

☐ Upfit: (First Time Interior Completion)

(Upfit – the first time interior completion of a virgin (never occupied) shell space in a newly constructed building. The applicant must provide a copy of the approved shell)

☐ Alteration/Renovation: (Previously Occupied Space) This includes Change of Use.

http://ecodes.biz/ecodes_support/free_resources/2012NorthCarolina/Building/PDFs/Chapter%202%20-%20Definitions.pdf

e. Code Data - NCBC -- (see section f. for NC Rehab Code or NC Existing Building Code)

Building Code: ☒ 2012 North Carolina State Building Code (NCSBC)
Check all that apply: ☒ New building ☐ Shell building
☐ First time interior completion (upfit)
☐ Addition

Existing Building Data: (for upfits or additions)
Year of construction ______ Previous use ______

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 Information: Scope of work / work area must be listed and delineated on the plans.
Check all that apply: ☐ Repair ☐ Renovation ☐ Alteration ☐ Reconstruction ☐ Change of use ☐ Addition
Justifications for using the REHAB code:
N/A

☐ 2015 NC EXISTING BUILDING CODE (NCEBC)
Method of Compliance ☐ Prescriptive (Chap 4) ☐ Work Area (Chaps 5-13) ☐ Performance (Chap 14)
Check all that apply: ☐ Repair ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3
☐ Change of Occupancy ☐ Addition

Alterations / Change of Occupancy projects: Please see Section 410.7, 806, 1012.9 or 1401.2.5 of the NCEBC for Accessibility for Existing Buildings based on the method of compliance. A letter from the designer will be required to be reproduced on the plans to verify how compliance will be achieved. This can be on a plan sheet after the Appendix B.
http://charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/PlanReview/Documents/2015%20NCEBC%20Accessibility%20Compliance%20Statement%202016.pdf

Existing Building Data: (for NC Rehab or NC Existing Building Code)
Last known legal occupancy use ______ Historic Property: Yes ☐ No ☐
Original Building Construction Date: ______ Date of Preliminary Meeting ______

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 ☐ NFPA 13R ☐ NFPA 13D
Standpipes (Section 905) ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry NFPA 14
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) 22'-1" (Table 503) Stories: ______
Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	ALT/RE	SUB-TOTAL
6th Floor				
5th Floor				
4th Floor				
3rd Floor				
2nd Floor				
Mezzanine				
1st Floor		2,249		
Basement				
TOTAL		2,249		

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

Occupancy(s): (Chapter 3)
Assembly (303) ☐ A-1 ☒ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business (304) ☐ B
Educational (305) ☐ E
Factory (306) ☐ F-1 Moderate ☐ F-2 Low
Hazardous (307) ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional (308) ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile (309) ☐ M
Residential (310) ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage (311) ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous (312) ☐ U

Accessory Occupancies (≤ 10%): (508) If Applicable
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐ B
Educational ☐ E
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐ M
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐ U

Incidental Uses: If applicable: areas with additional requirements (Table 508.2.5):
- ☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input
- ☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
- ☐ Refrigerant machine room
- ☐ Hydrogen cutoff rooms, not classified as Group H
- ☐ Incinerator rooms
- ☐ Paint shops, not classified as Group H, located in occupancies other than Group F
- ☐ Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
- ☐ Laundry rooms over 100 square feet
- ☐ Group I-3 cells equipped with padded surfaces
- ☐ Group I-2 waste and linen collection rooms
- ☐ Waste and linen collection rooms over 100 square feet
- ☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
- ☐ Rooms containing fire pumps ☐ Rooms containing Life-Safety generator ☐ Rooms containing primary transformers
- ☐ Group I-2 storage rooms over 100 square feet
- ☐ Group I-2 commercial kitchens
- ☐ Group I-2 laundries equal to or less than 100 square feet
- ☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: If Applicable ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427

Special Provisions: If Applicable ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

Mixed Occupancy/Use: (508.3) If Applicable ☒ No ☐ Yes Separation: ____ Hr. Exception: ______
☐ Incidental Use Separation: (508.2.5)
This separation is not exempt as a Non-Separated Use (see exceptions).
☐ 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. If applicable to this project please provide a key plan with all occupancies identified with square footage.

Actual Area of Occupancy A / Allowable Area of Occupancy A + Actual Area of Occupancy B / Allowable Area of Occupancy B ≤ 1

______ + ______ + ... = ______ ≤

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503[5] AREA	(C) AREA FOR FRONTAGE INCREASE[1]	(D) AREA FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE AREA OR UNLIMITED[3]	(F) MAXIMUM BUILDING AREA[4]
1	A-2	2,249	6,000	4,500	0	10,550	10,550

[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 = 233 (F)
b. Total Building Perimeter = 233 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase I_f = [F/P - 0.25] x W/30 = 75 (%)

[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building I_s = 200 percent
b. Single story building I_s = 300 percent

[3] Unlimited area applicable under conditions of Section 507.
[4] Maximum Building Area = total number of stories in the building x E (506.4). Maximum of 3.
[5] The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

i. Allowable Height (Chapter 5) -- (Required for Additions, New Construction)

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-B		Type V-B	90[illegible]
Building Height in Feet	40	Feet = H + 20' = ______	20'-0"	503/5[illegible]
Building Height in Stories	1	Stories + 1 = ______	1	503/504

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

Please check our Plan Submittal Guidelines if a Life Safety Plan is required for your project: http://charmeck.org/mecklenburg/county/LUESA/CodeEnforcement/Tools/Publications/Documents/psguide.pdf

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0-hr	0-hr	N/A	N/A	N/A	N/A
Bearing Walls (see section 601 - 602 if used)							
Exterior							
North	18'		0-hr	0-hr	N/A	N/A	N/A
East	93'		0-hr	0-hr	N/A	N/A	N/A
West	32'		0-hr	0-hr	N/A	N/A	N/A
South	125'		0-hr	0-hr	N/A	N/A	N/A
Interior			N/A	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions - (see section 601 - 602 if used)							
Exterior walls							
North	[illegible]	[illegible]	N/A	N/A	N/A	N/A	N/A
East	N/A	N/A	N/A	N/A	N/A	N/A	N/A
West	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Interior walls and partitions		0-hr	0-hr	N/A	N/A	N/A	N/A
Floor Construction including supporting beams and joists		0-hr	0-hr	N/A	N/A	N/A	N/A
Roof Construction including supporting beams and joists		0-hr	0-hr	N/A	N/A	N/A	N/A
Shaft Enclosures - Exit		N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other than Exit		N/A	N/A	N/A	N/A	N/A	N/A
Corridor Separation		N/A	N/A	N/A	N/A	N/A	N/A
Occupancy Separation		N/A	N/A	N/A	N/A	N/A	N/A
Party/Fire Wall Separation		N/A	N/A	N/A	N/A	N/A	N/A
Smoke Barrier Separation		N/A	N/A	N/A	N/A	N/A	N/A
Tenant Separation		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		N/A	N/A	N/A	N/A	N/A	N/A

* Indicate section number permitting reduction

k. Percentage of Wall Opening Calculations -- (New Construction, Addition and Change of Use)

(Table 705.8)

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES		DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North	18'	UP, NS	No Limit	3%
East	93'	UP, NS	No Limit	0%
West	32'	UP, NS	No Limit	21%
South	125'	UP, NS	No Limit	11%

http://ecodes.biz/ecodes_support/free_resources/2012NorthCarolina/Building/PDFs/Chapter%207%20-%20Fire%20and%20Smoke%20Protection%20Features.pdf

l. Wall Legends -- (Required for all Projects)

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATED BY A WALL LEGEND ON ALL PLANS
☐ Fire Walls 706 ☐ Fire Barriers 707 ☐ Shaft Enclosure 708 ☐ Fire Partitions 709 ☐ Smoke Barriers 710
☐ Smoke Partitions 711 ☒ No rated walls are present

http://ecodes.biz/ecodes_support/free_resources/2012NorthCarolina/Building/PDFs/Chapter%207%20-%20Fire%20and%20Smoke%20Protection%20Features.pdf

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

Emergency Lighting: (1006)	☐ No	☒ Yes
Exit Signs: (1011)	☐ No	☒ Yes
Fire Alarm: (907, NFPA 72-07)	☒ No	☐ Yes
Smoke Detection Systems: (907)	☐ No	☒ Yes ☐ Partial ______
Panic Hardware: (1008.1.10)	☐ No	☒ Yes
Life safety systems generator: (2702.2)	☐ No	☐ Yes

n. Life Safety Plan check list for compliance -- (Required for all projects) Check items that are applicable to your project Refer to Sheet LS1.0

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- ☒ Assumed and real property line locations
- ☒ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☐ Existing structures within 30' of the proposed building
- ☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1016)
- ☒ Common path of travel distances (1014.3 & 1028.8)
- ☐ Dead end lengths (1018.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
- ☒ 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 (1008.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1008.1.9.8)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1029)
- ☐ The square footage of each fire area (902)
- ☐ The square footage of each smoke compartment (407.4)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

o. Exit Requirements—(Required for all Projects)

NUMBER AND ARRANGEMENT OF EXITS
(TABLE 1021.1)

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM[2] NUMBER OF EXITS: REQUIRED T1021.1 (SINGLE EXIT 1021.2)	SHOWN ON PLANS	TRAVEL DISTANCE: ALLOWABLE TRAVEL DISTANCE (TABLE 1016.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[1,3] (SECTION 1015.2): REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
Dining	2	2	200	42	21'	27'
Kitchen	1	2	200	36	N/A	N/A

[1] Corridor dead ends (Section 1018.4)
[2] Buildings with single exits (Table 1021.2), Spaces with one means of egress (Table 1015.1)
[3] Common Path of Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
(TABLE 1004.1.1)

USE GROUP OR SPACE DESCRIPTION[7]	(a) AREA[1] sq. ft.	(b) AREA[1] PER OCCUPANT	(1004.1.1) CALCULATED OCCUPANT LOAD (a÷b)	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) STAIR	LEVEL	EXIT WIDTH (in)[2,3,4,5,6] REQUIRED WIDTH (SECTION 1005.1) (a÷b) x c STAIR	LEVEL	ACTUAL WIDTH SHOWN ON PLANS STAIR	LEVEL
Assembly Dining	695	15	46	~~0.3~~	0.2	N/A	*10"	N/A	105"/2
Assembly Waiting	197	5.5	40	-	0.2	N/A	*8"	N/A	105"/2
Kitchen	747	200	4	-	0.2	N/A	*1"	N/A	42"

[1] See Table 1004.1.1 to determine whether net or gross area is applicable. See definition "Area, Gross" and "Area, Net" (Section 1002)
*32" minimum anything less than 32"
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1023.2)
[4] See Section 1004.5 for converging exits.
[5] The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[6] Assembly occupancies (Section 1028)
[7] Spaces within occupancies or use groups shall be calculated independently. (Ex. Lobbies, lounges, break rooms, conference rooms).

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

ACCESSIBLE DWELLING UNITS
(1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

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12/4/17

12144.400

1 ELECTRICAL COMMENTS 11/17/17
2 BUILDING COMMENTS 12/1/17

CONTRACT DATE:	10.2.17
BUILDING TYPE:	EXP. LITE MED40
PLAN VERSION:	DECEMBER 2016
SITE NUMBER:	311687
STORE NUMBER:	436563

TACO BELL
3923 SHAKEDOWN ST.
CHARLOTTE, NC

TACO BELL
EXPLORER LITE
MEDIUM54

APPENDIX B

T2.0

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