2012 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2 FAMILY DWELLINGS AND TOWNHOUSES):

NAME OF PROJECT: COPART LUMBERTON

ADDRESS: HWY. 72 W., LUMBERTON, N.C. 28358

PROPOSED USE: VEHICLE STORAGE FACILITY

OWNER OR AUTHORIZED AGENT: TELEPHONE #: (972) 564-5525

OWNED BY: COPART

CODE ENFORCEMENT JURISDICTION: ROBESON COUNTY

LEAD DESIGN PROFESSIONAL: LARRY W. ANDERSON, P.E.

DESIGNER	FIRM	NAME	LICENSE #	PHONE #	E-MAIL
ARCHITECTURAL					
CIVIL	ANDERSON ENG. & ASSOC.	LARRY W. ANDERSON, P.E.	13325	(910)-671-9530	andersonengineeringpa@gmail.com
ELECTRICAL	TOWNSEND ELECTRIC	ALLEN TOWNSEND, P.E.	13797	(910)-733-0388	N/A
FIRE ALARM	N/A	N/A	N/A	N/A	N/A
PLUMBING	ANDERSON ENG. & ASSOC.	LARRY W. ANDERSON, P.E.	13325	(910)-671-9530	andersonengineeringpa@gmail.com
MECHANICAL	TOWNSEND ELECTRIC	ALLEN TOWNSEND, P.E.	13797	(910)-733-0388	N/A
SPRINKLER - STANDPIPE	N/A	N/A	N/A	N/A	N/A
STRUCTURAL	N/A	N/A	N/A	N/A	N/A
RETAINING WALLS > 5' HIGH	N/A	N/A	N/A	N/A	N/A
OTHER	N/A	N/A	N/A	N/A	N/A

2012 EDITION OF NC CODE FOR:

☒ NEW CONSTRUCTION ☐ ADDITION ☐ UPFIT

EXISTING: ☐ RECONSTRUCTION ☐ ALTERATION ☐ REPAIR ☐ RENOVATION

CONSTRUCTED: (date)_____ ORIGINAL USE(S) (CH. 3): _____

RENOVATED: (date)_____ CURRENT USE(S) (CH. 3): _____

PROPOSED USE(S) (CH. 3): OFFICES / WAREHOUSE

BASIC BUILDING DATA:

CONSTRUCTION TYPE:

☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
☐ I-B ☐ II-B ☒ III-B ☐ V-B

SPRINKLERS: ☒ NO ☐ PARTIAL ☐ YES ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
STANDPIPES: ☒ NO ☐ YES CLASS: ☐ I ☐ II ☐ III ☐ WET ☐ DRY
FIRE DISTRICT: ☒ NO ☐ YES (PRIMARY)
FLOOD HAZARD AREA: ☒ NO ☐ YES
BUILDING HEIGHT: 18' E.H. FEET 1 NUMBER OF STORIES ☐ UNLIMITED PER _____

GROSS BUILDING AREA:

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL (SQ. FT.)
6th FLOOR	N/A		
5th FLOOR	N/A		
4th FLOOR	N/A		
3rd FLOOR	N/A		
2nd FLOOR	N/A		
MEZZANINE	N/A		
1st FLOOR	N/A	12,800	12,800
BASEMENT	N/A		
		TOTAL	12,800

ALLOWABLE AREA:

OCCUPANCY:

ASSEMBLY	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5	
BUSINESS	☒					
EDUCATIONAL	☐					
FACTORY	☐ F-1 MODERATE	☐ F-2 LOW				
HAZARDOUS	☐ H-1 DETONATE	☐ H-2 DEFLAGRATE	☐ H-3 COMBUST			
INSTITUTIONAL	☐ I-1	☐ I-2	☐ I-3	☐ I-4		
I-3 CONDITION	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5	
MERCANTILE	☐					
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	☐					

ACCESSORY OCCUPANCIES:

ASSEMBLY	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5	
BUSINESS	☐					
EDUCATIONAL	☐					
FACTORY	☐ F-1 MODERATE	☐ F-2 LOW				
HAZARDOUS	☐ H-1 DETONATE	☐ H-2 DEFLAGRATE	☐ H-3 COMBUST			
INSTITUTIONAL	☐ I-1	☐ I-2	☐ I-3	☐ I-4		
I-3 CONDITION	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5	
MERCANTILE	☐					
RESIDENTIAL	☐ R-1	☐ R-2	☐ R-3	☐ R-4		
STORAGE	☒ S	☐ S-1 MODERATE	☐ S-2 LOW	☐ HIGH-PILED		
	☐ PARKING GARAGE	☐ OPEN	☐ ENCLOSED	☐ REPAIR GARAGE		
UTILITY AND MISCELLANEOUS	☐					

INCIDENTAL USES (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
☐ 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:

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

SPECIAL PROVISIONS: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

MIXED OCCUPANCY:

☐ NO ☒ YES SEPARATION: 2 HR. EXCEPTION: _____
☐ INCIDENTAL USE SEPERATION (508.2.5)
THIS SEPARATION IS NOT EXEMP 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 OCCUPANCIES 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.

ACTUAL AREA OF OCCUPANCY A / ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY B ≤ 1

8,000 S.F. (BUSINESS) / 19,000 S.F. + 4,800 S.F. (STORAGE) / 17,500 S.F. = 0.69 < 1.00

STORY NO.	DESCRIPTION AND USE	(A) ACTUAL AREA PER STORY [4]	(B) ALLOWABLE AREA PER TABLE 503 [5]	(C) AREA FOR OPEN SPACE INCREASE [1]	(D) AREA FOR SPRINKLER INCREASE [2]	(E) ALLOWABLE AREA OR UNLIMITED [3]	(F) MAXIMUM BUILDING AREA [4]
ONE (1)	BUSINESS	8,000 S.F.	19,000 S.F.	N/A	N/A		19,000 S.F.
ONE (1)	STORAGE	4,800 S.F.	17,500 S.F.	N/A	N/A		17,500 S.F.

[1] Frontage increase per Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
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) x W/30 = _____ (%)

[2] 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).

[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.

ALLOWABLE HEIGHT:

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPE III B		TYPE III B	
BUILDING HEIGHT IN FEET	55'	FEET = H-H20' = _____	18' EH	
BUILDING HEIGHT IN STORIES	4	STORIES +1 = _____	1	

FIRE PROTECTION REQUIREMENTS:

LIFE SAFETY PLAN SHEET #, IF PROVIDED _____

BUILDING ELEMENT	FIRE SEPERATION 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.					
BEARING WALLS							
EXTERIOR							
NORTH							
EAST							
WEST							
SOUTH							
INTERIOR							
NONBEARING WALLS AND PARTITIONS		0 HR.					
EXTERIOR WALLS							
NORTH							
EAST							
WEST							
SOUTH							
INTERIOR WALLS AND PARTITIONS							
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0 HR.					
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0 HR.					
SHAFT ENCLOSURES - EXIT	N/A						
SHAFT ENCLOSURES - OTHER	N/A						
CORRIDOR SEPARATION	N/A						
OCCUPANCY SEPARATION	N/A						
PARTY / FIRE WALL SEPARATION	N/A						
SMOKE BARRIER SEPARATION	N/A						
TENANT SEPARATION	N/A						
INCIDENTAL USE SEPARATION	N/A						

* INDICATE SECTION NUMBER PERMITTING REDUCTION

LIFE SAFETY SYSTEMS REQUIREMENTS - SEE PME

EMERGENCY LIGHTING: ☐ NO ☒ YES
EXIT SIGNS: ☐ NO ☒ YES
FIRE ALARM: ☒ NO ☐ YES

SMOKE DETECTION SYSTEMS: ☐ NO ☒ YES ☐ PARTIAL _____
PULL STATIONS: ☐ NO ☒ YES

LIFE SAFETY PLAN REQUIREMENTS:

LIFE SAFETY PLAN SHEET #: _____

☐ FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
☐ ASSUMED AND REAL PROPERTY LINE LOCATIONS
☐ EXTERIOR WALL OPENING AREA WITH RESPECT TO ASSUMED PROPERTY LINES (705)
☐ EXISTING STRUCTURES WITHIN 30'-0" OF PROPOSED BUILDING
☐ OCCUPANCY TYPES FOR EACH AREA ASSIGNED 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 FOR EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)
☐ ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
☐ A SEPARATE DIAGRAMMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
☐ LOCATIONS OF DOORS WITH PANIC HARDWARE (1008.1.10)
☐ LOCATIONS OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1008.1.9.7)
☐ LOCATIONS OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1008.1.9.8)
☐ LOCATIONS OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
☐ LOCATIONS 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

ACCESSIBLE DWELLING UNITS:
(SECTION 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

ACCESSIBLE PARKING:
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE SPACES PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
TOTAL						

STRUCTURAL DESIGN:

DESIGN LOADS:
IMPORTANCE FACTORS: WIND (I_w) 1.0, SNOW (I_s) 1.0, SEISMIC (I_s) 1.0
LIVE LOADS: ROOF 20 PSF, MEZZANINE: N/A PSF., FLOOR: 100 PSF. PSF.

GROUND SNOW LOAD: 10 PSF PSF.

WIND LOAD: BASIC WIND SPEED 110 MPH (ASCE-7)
EXPOSURE CATEGORY C
WIND BASE SHEARS (FOR MWFRS) Vx = _____ Vy = _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☒ C ☐ D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:
OCCUPANCY CATEGORY (TABLE 1604.5) ☐ I ☐ II ☒ III ☐ IV
SPECTRAL RESPONSE ACCELERATION Ss = _____ g S1 = _____ g
SITE CLASSIFICATION (TABLE 1613.5.2) ☐ A ☐ B ☐ C ☒ D ☐ E ☐ F
DATA SOURCE: ☐ FIELD TEST ☒ PRESUMPTIVE ☐ HISTORICAL DATA
BASIC STRUCTURAL SYSTEM (CHECK ONE):
☐ BEARING WALL ☐ DUAL WITH SPECIAL MOMENT FRAME
☒ BUILDING FRAME ☐ DUAL WITH INTERMEDIATE R/C OR SPECIAL STEEL
☐ MOMENT FRAME ☐ INVERTED PENDULUM

SEISMIC BASE SHEAR: Vx = _____ Vy = _____
ANALYSIS PROCEDURE: ☐ SIMPLIFIED ☐ EQUIVALENT LATERAL FORCE ☐ DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? ☐ YES ☐ NO

LATERAL DESIGN CONTROL: ☐ EARTHQUAKE ☒ WIND

SOIL BEARING CAPACITIES:
FIELD TEST (PROVIDE COPY OF TEST REPORT) _____ psf.
PRESUMPTIVE BEARING CAPACITY 2,000 psf.
PILE SIZE, TYPE, AND CAPACITY _____

SPECIAL INSPECTIONS REQUIRED: ☐ YES ☒ NO

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1):

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS / TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
SPACE	EXISTING	-	-	-	-	-	-	-	-
	NEW	2	3	1	2	2	-	1	1
	REQUIRED	1	2	-	1	1		1	1

SPECIAL APPROVALS:

SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)

_____

_____

_____

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Licensure #: C-0793

BUILDING PLANS FOR
COPART

BUILDING CODE SUMMARY

PERMIT SET

ISSUE DATE: 1-18-2019

NO.	DATE	REASON
1	2-12-2019	OWNER REVIEW
		REDUCE BUILDING SIZE
2	4-10-2019	SCOPE VERIFICATIONS/CONTRACT DOCS.
		EXPOSURE CATEGORY

SCALE:	NTS
DRAWN BY:	DJ
CHECKED BY:	LWA
PROJECT NO.:	60-1656
DRAWING FILE:	1656
FILE NO.:	1656-BLDG-REV1
SHEET NO.	CS