

**APPENDIX B
2018 BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2 FAMILY DWELLINGS AND TOWNHOUSES)**

NAME OF PROJECT: UNCG ATHLETICS COLEMAN BUILDING WEIGHT ROOM
 ADDRESS: 1408 Walker Ave, Greensboro, NC ZIP CODE: 27402-6170
 OWNER/AUTHORIZED AGENT: The University of North Carolina at Greensboro PHONE #: (336) 334-4545
 E-MAIL: wjchatf@uncg.edu

OWNED BY: CITY/COUNTY PRIVATE STATE
 CODE ENFORCEMENT JURISDICTION: CITY COUNTY STATE

CONTACT: ROBERT STEVENSON, ARCHITECT

DESIGNER	FIRM	NAME	LIC. #	PHONE #	EMAIL
ARCHITECTURAL	Davis Kane Architects	Robert Stevenson	6214	(919) 833-3737	rstevenson@davis Kane.com
CIVIL	-	-	-	-	-
LANDSCAPE	-	-	-	-	-
ELECTRICAL	Sigma	REGINALD D. ADAMS	19658	919-840-9300	radams@sigmaes.com
FIRE ALARM	Sigma	REGINALD D. ADAMS	19658	919-840-9300	radams@sigmaes.com
PLUMBING	Sigma	PAUL J. ROMITI	026581	919-840-9300	promiti@sigmaes.com
MECHANICAL	Sigma	PAUL J. ROMITI	026581	919-840-9300	promiti@sigmaes.com
SPRINKLER / STANDPIPE	Sigma	PAUL J. ROMITI	026581	919-840-9300	promiti@sigmaes.com
STRUCTURAL	Lynch Mykins	COLLETTE B. RAMIREZ	38706	919-782-1833	cramirez@lynchmykins.com
RETAINING WALLS >5' HIGH	-	-	-	-	-
OTHER	-	-	-	-	-
OTHER	-	-	-	-	-

YEAR EDITION OF CODE:

2018 NC BUILDING CODE: NEW BUILDING SHELL / CORE 1ST TIME INTERIOR COMPLETIONS
 ADDITION PHASED CONSTRUCTION - SHELL CORE
 2018 NC EXISTING BUILDING CODE: PRESCRIPTIVE ALTERATION LEVEL I HISTORIC PROPERTY
 (CHECK ALL THAT APPLY) REPAIR ALTERATION LEVEL II CHANGE OF USE
 CHAPTER 14 ALTERATION LEVEL III

CONSTRUCTED (DATE): 1989 CURRENT OCCUPANCY(S) (CH. 3): BUSINESS
 RENOVATED (DATE): 1992 PROPOSED OCCUPANCY(S) (CH. 3): BUSINESS
 RISK CATEGORY (TABLE 1604.5): CURRENT: I II III IV
 PROPOSED: I II III IV

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 NFPA 13 NFPA 13R NFPA 13D
 STANDPIPES: NO CLASS - I CLASS - II CLASS - III WET DRY
 PRIMARY FIRE DISTRICT: NO YES
 FLOOD HAZARD AREA: NO YES
 SPECIAL INSPECTIONS REQUIRED: NO YES
 GROSS BUILDING AREA:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	Renovated (SQ FT)	SUB-TOTAL
4TH FLOOR	17,800	0	0	17,800
3RD FLOOR	44,295	0	0	44,295
2ND FLOOR	73,098	0	1,291	74,389
1ST FLOOR	101,873	0	0	101,873
TOTAL:	234,571	0	1,291	238,357

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S):
 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 DEFLAGGATE H-3 COMBUSTIBLE LIQUID H-4 HEALTH H-5 HPM
 INSTITUTIONAL: I-1 I-2 I-3 I-4
 I-1 CONDITION 1 2
 I-2 CONDITION 1 2
 I-3 CONDITION 1 2 3 4 5
 MERCHANTILE:
 RESIDENTIAL: R-1 R-2 R-3 R-4
 STORAGE: S-1 MODERATE S-2 SNOW HIGH-PILED ENCLOSED OPEN
 PARKING GARAGE REPAIR GARAGE
 UTILITY AND MISC:
 ACCESSORY OCCUPANCY CLASSIFICATION(S): S-2
 INCIDENTAL USES (TABLE 509): 404 ATRIUM
 SPECIAL USES (CHAPTER 4 - LIST CODE SECTIONS): 404 ATRIUM
 SPECIAL PROVISIONS (CHAPTER 5 - LIST CODE SECTIONS):
 MIXED OCCUPANCY: YES SEPARATION: NO EXCEPTION:
 ACTUAL AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B ≤ 1
 ALLOWABLE AREA OF OCCUPANCY A + ALLOWABLE AREA OF OCCUPANCY B ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA FOR FRONTAGE INCREASE ^{2,3}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ²
1	ASSEMBLY	7,930	UL	UL	UL
1	BUSINESS	93,943	UL	UL	UL
2	BUSINESS	74,389	UL	UL	UL
3	BUSINESS	44,295	UL	UL	UL
4	BUSINESS	17,800	UL	UL	UL

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 = (F)
 b. Total Building Perimeter = (P)
 c. Ratio (F/P) = (F/P)
 d. Minimum Width of Public Way = (W)
 e. Percentage of frontage increase If = 100(F/P - 0.25) x W/30 = (%)
² - Unlimited area applicable under conditions of Section 507
³ - Maximum Building Area = total number of stories in the building x D (506.2)
⁴ - The maximum area of open parking garages must comply with 406.5.4. The maximum area of traffic control towers must comply with Table 412.3.1.
⁵ - Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET	160	62	-
BUILDING HEIGHT IN STORIES	12	4	-

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ.	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)	-	2	2	T-3.6 T-3.4 T-3.5	UL X723 UL Y633 UL Y634	-	-
BEARING WALLS	-	2	N/A	-	-	-	-
EXTERIOR NORTH	>30'	-	-	-	-	-	-
EXTERIOR EAST	>30'	-	-	-	-	-	-
EXTERIOR WEST	>30'	-	-	-	-	-	-
EXTERIOR SOUTH	>30'	-	-	-	-	-	-
INTERIOR	-	2	N/A	-	-	-	-
NONBEARING WALLS AND PARTITIONS	-	0	0	-	-	-	-
EXTERIOR NORTH	>30'	-	-	-	-	-	-
EXTERIOR EAST	>30'	-	-	-	-	-	-
EXTERIOR WEST	>30'	-	-	-	-	-	-
EXTERIOR SOUTH	>30'	-	-	-	-	-	-
INTERIOR WALLS AND PARTITIONS	-	0	0	-	-	-	-
FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	-	2	T-3.3 T-3.5	UL N440 UL G710	-	-	-
FLOOR CEILING ASSEMBLY	-	-	T-3.6	UL G510	-	-	-
COLUMNS SUPPORTING FLOORS	-	-	-	-	-	-	-
ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	-	1	N/A	-	-	-	-
ROOF CEILING ASSEMBLY	-	-	-	-	-	-	-
COLUMNS SUPPORTING ROOF	-	-	-	-	-	-	-
SHAFT ENCLOSURES - ELEVATORS	-	2	N/A	-	-	-	-
SHAFT ENCLOSURES - OTHER	-	2	N/A	-	-	-	-
CORRIDOR SEPARATION	-	0	-	-	-	-	-
OCCUPANCY / FIRE BARRIER SEPARATION	-	0	-	-	-	-	-
PARALLEL FIRE WALL SEPARATION	-	NA	-	-	-	-	-
SMOKE BARRIER SEPARATION	-	NA	-	-	-	-	-
SMOKE PARTITION	-	NA	-	-	-	-	-
TENANT / DWELLING UNIT / SLEEPING UNIT SEPARATION	-	NA	-	-	-	-	-
INCIDENTAL USE SEPARATION	-	N/A	-	-	-	-	-
SPECIAL OCCUPANCY (ATRIUM)	-	1	1*	T-3.1 T-3.6 E-3.1 M-5.3 FP-5.1 P-5.1	UL U905 UL U419 UL U545	C-AJ-5001 W-L-1001 C-AJ-1001 W-L-5001 C-AJ-5016	WW-S-0034 HW-D-0035

*404.6 EXCEPTION 1 IS BEING USED AT THE NEW STOREFRONT ON 1ST AND 2ND FLOOR NORTH WALL OF WEIGHT ROOM INCLUDING ENTRY DOORS.

PERCENT OF WALL OPENING CALCULATIONS N/A TO AREA OF ALTERATION

FIRE SEPARATION DISTANCE (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
 CARBON MONOXIDE DETECTION: NO YES

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET: T-1.1, T-1.2
 FIRE AND / OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
 N/A ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE SITE PLAN)
 N/A EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ADJACENT PROPERTY LINES (705.8)
 OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANCY AND CALCULATIONS (TABLE 1004.1.2)
 OCCUPANT LOADS FOR EACH AREA
 EXIT ACCESS TRAVEL DISTANCES (1017)
 COMMON PATH OF TRAVEL DISTANCES (1005.1 & 1005.2(1))
 DEAD END LENGTHS (1010.1.10)
 CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
 MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
 ANNUAL OCCUPANT LOAD FOR EACH EXIT DOOR
 N/A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR / CEILING AND / OR ROOF STRUCTURES IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
 LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
 N/A LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
 N/A LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
 N/A LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
 N/A LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
 THE SQUARE FOOTAGE OF EACH FIRE AREA (202)
 N/A THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.4)
 N/A NOTE ANY CODE EXCEPTION OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE.

ACCESSIBLE DWELLING UNITS (SECTION 1107) N/A TO AREA OF ALTERATION

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) EXISTING BUILDING - UNCHANGED

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

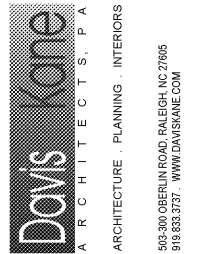
PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) EXISTING BUILDING - UNCHANGED

USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS / TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
1ST FLOOR EXISTING	17	27	7	22	10	EXISTING	EXISTING	
NEW	0	0	0	0	0	0	0	
REQUIRED	17	28	0	11	11	0	3	
2ND FLOOR EXISTING	7	15	2	6	9	1	EXISTING	
NEW	0	0	0	0	0	0	0	
REQUIRED	7	10	0	5	5	0	3	
3RD FLOOR EXISTING	6	10	4	7	8	0	EXISTING	
NEW	0	0	0	0	0	0	0	
REQUIRED	6	8	0	4	4	0	4	
4TH FLOOR EXISTING	2	2	0	0	2	2	EXISTING	
NEW	0	0	0	0	0	0	0	
REQUIRED	1	1	0	1	1	0	1	

SPECIAL APPROVALS

SPECIAL APPROVAL REQUIRED: NO YES
 LOCAL JURISDICTION OSC DHHS
 DEPARTMENT OF INSURANCE DPI OTHER: _____
 DESCRIPTION: _____

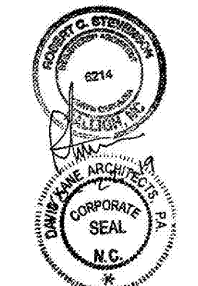
MECHANICAL: SEE M-0.1 FOR CODE SUMMARY
 ELECTRICAL: SEE E-0.1 FOR CODE SUMMARY
 STRUCTURAL: SEE S-0.0 FOR CODE SUMMARY
 ENERGY CODE: EXISTING BUILDING UNCHANGED



PROJECT INFORMATION

UNCG ATHLETICS
 COLEMAN BUILDING
 WEIGHT ROOM
 SCO ID No. 19-20597-01A | Code: 41825 Item: 304
 1408 Walker Ave, Greensboro, NC 27402

SEALS



DKA JOB NUMBER

1915

REVISIONS

NO.	DESCRIPTION

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BID DOCUMENTS
 10/22/19

SHEET TITLE

CODE SUMMARY

T-1.2