

APPENDIX B  
BUILDING CODE SUMMARY  
FOR ALL COMMERCIAL PROJECTS  
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)  
(Reproduces the following data on the building plans sheet 1 of 2)

Renovations to Chemistry Lab 121, Dobo Hall  
601 S. College Road Wilmington, NC 28403

Name of Project: \_\_\_\_\_  
Address: \_\_\_\_\_  
Proposed Use: Chemistry Laboratory (Unchanged)  
Owner or Authorized Agent: Mr. Jerry L. Walker  
Owned By: \_\_\_\_\_  
Code Enforcement Jurisdiction: ☐ City ☐ County ☐ State

LEAD DESIGN PROFESSIONAL: Jerry L. Walker, AIA

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #
Architectural	The Walker Group Architecture, Inc.	Jerry L. Walker, AIA	8181	(252) 636-8778
Civil	CGR Consulting Engineers, PC	W. Allen Cobb	02311	(910) 783-5909
Electrical	CGR Consulting Engineers, PC	W. Allen Cobb	02311	(910) 783-5909
Fire Alarm	CGR Consulting Engineers, PC	David M. Hahn	02351	(910) 783-5909
Plumbing	CGR Consulting Engineers, PC	David M. Hahn	02351	(910) 783-5909
Mechanical	CGR Consulting Engineers, PC	David M. Hahn	02351	(910) 783-5909
Sprinkler Standpipe				
Restroom Walls > 7' High				
Other				

YEAR EDITION OF CODE: IBC 2002

☐ New Construction ☐ Renovation (Existing Bldg) ☒ Uplift ☐ Alteration

BUILDING DATA  
Construction Type:

☐ I-A ☒ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B  
☐ IV ☐ V-A ☒ V-B ☐ Yes Types  
Mixed construction: ☒ No ☐ NFA 1.3 ☐ NFA 1.3R ☐ NFA 1.3D  
Sprinklers: ☐ No ☒ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry  
Fire District: ☐ No ☒ Yes  
Building Height: 46' Feet 2 Number of Stories ☒ Unlimited per \_\_\_\_\_  
Mezzanine: ☒ No ☒ Yes Can not Reference Sheet # (if provided) \_\_\_\_\_  
High Rise: ☒ No ☐ Yes  
Gross Building Area: \_\_\_\_\_

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	Sub-TOTAL
1 <sup>st</sup> Floor			
2 <sup>nd</sup> Floor			
3 <sup>rd</sup> Floor			
4 <sup>th</sup> Floor			
5 <sup>th</sup> Floor			
Mezzanine			
1 <sup>st</sup> Floor	51,447 SF		51,447 SF
Basement			
Basement	51,447 SF		51,447 SF
TOTAL	102,894 SF		102,894 SF

ALLOWABLE AREA

Primary Occupancy: ☐ Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5  
☒ Business ☐ Educational ☐ H-2 ☐ H-3 ☐ F-1 ☐ F-2 ☐ F-3  
☐ High-Rise ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5  
☐ Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4 ☐ I-5  
☐ Mercantile ☐ S-1 ☐ S-2 ☐ S-3 ☐ S-4 ☐ S-5  
☐ Storage ☐ S-1 ☐ S-2 ☐ S-3 ☐ S-4 ☐ S-5  
☐ Utility and Miscellaneous ☐ S-2 ☐ High-Rise ☐ Enclosed ☐ Repair  
Secondary Occupancy: ☒ Assembly  
Special Occupancy: ☐ 508.2 ☐ 508.3 ☐ 508.4 ☐ 508.5 ☐ 508.6 ☐ 508.7 ☐ 508.8  
Mixed Occupancy: ☐ No ☒ Yes Separation: \_\_\_\_\_ Hr. Exception: IBC 302.2  
☒ Non-Separated Mixed Occupancy (303.1.303.2) - 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 Mixed Occupancy (303.1.303.2) - 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.  
$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy B}} \leq 1$$

FIRE PROTECTION REQUIREMENTS  
Life safety Plan Sheet A, if Provided \_\_\_\_\_

REBUILD/ELEMENT	FIRE RESISTANCE (FEET)	EXISTING PROVIDED (INSTRUCTIONS)	DETAIL # AND PENETRATION ASSEMBLY	DESIGN # FOR PENETRATION ASSEMBLY	DESIGN # FOR PENETRATION JOINTS
Structural frame, including columns, girders, beams, walls	>30'	0	N/A	N/A	N/A
Exterior	>30'	0			
Interior	>30'	0			
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2 / 1	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
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Exterior	>30'	0	N/A	N/A	N/A
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Interior	>30'	0	N/A	N/A	N/A
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Interior	>30'	0	N/A	N/A	N/A
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Nonbearing walls and partitions	>30'	0			
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East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
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Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
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Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>30'	0	N/A	N/A	N/A
South	>30'	0	N/A	N/A	N/A
Roof	N/A	2	N/A	N/A	N/A
Nonbearing walls and partitions	>30'	0			
Exterior	>30'	0	N/A	N/A	N/A
Interior	>30'	0	N/A	N/A	N/A
North	>30'	0	N/A	N/A	N/A
East	>30'	0	N/A	N/A	N/A
West	>				