

NAME OF PROJECT:	RENOVATIONS TO GRACE BAPTIST CHURCH (MESHAW BUILDING - ALTERNATE M-1,M-2)		
ADDRESS:	1401 N. COLLEGE RD, WILMINGTON, NC 28405		
PROPOSED USE:	A-3 (ASSEMBLY)	E-MAIL:	shawm@hostelerarchitecture.com
OWNER OR AUTHORIZED AGENT:	ROGER HAYDEN	PHONE: (910) 233-0404	E-MAIL: rhayden@wilmingtonchristian.com
OWNED BY:	<input type="checkbox"/> CITY/COUNTY	<input checked="" type="checkbox"/> PRIVATE	<input type="checkbox"/> STATE
CODE ENFORCEMENT JURISDICTION:	<input type="checkbox"/> CITY	<input checked="" type="checkbox"/> COUNTY	

YEAR EDITION OF CODE:

2018 NORTH CAROLINA STATE BUILDING CODE

☐ NEW CONSTRUCTION ☒ RENOVATION (EXISTING BLDG) ☐ UPFIT ☐ ALTERATION ☐ ADDITION

GROSS BUILDING AREA:			
FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUBTOTAL
6TH FLOOR			
5TH FLOOR			
4TH FLOOR			
3RD FLOOR			
2ND FLOOR			
MEZZANINE:			
1ST FLOOR	30,005 SF		30,005 SF
BASEMENT	N/A	N/A	N/A
TOTAL	30,005 SF		30,005 SF

SECONDARY OCCUPANCY: A-2

SPECIAL OCCUPANCY: ☐ S-2 ENCLOSED PARKING GARAGE W/S-2 OPEN PARKING ABOVE ☐ UNLIMITED HEIGHT FOR B, M, AND R
☐ PARKING BENEATH R ☐ R-2 TYPE IIIA ☐ R-2 TYPE IIA ☐ OPEN PARKING BENEATH A, I, B, M, AND R
☐ S-2 ENCLOSED PARKING WITH A, B, M OR R ABOVE

MIXED OCCUPANCY: ☐ NO ☒ YES SEPARATION: 4 HR (EXISTING) EXCEPTION: NOT APPLICABLE

ACTUAL AREA OF OCCUPANCY A		ACTUAL AREA OF OCCUPANCY B		ALLOWABLE AREA OF OCCUPANCY A		ALLOWABLE AREA OF OCCUPANCY B	
STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA (PERMITTED)	(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	ASSEMBLY A-3	19,670 GSF	EXISTING	EXISTING	N/A	N/A	EXISTING
ONE	ASSEMBLY A-2	10,335 GSF	EXISTING	EXISTING	N/A	N/A	EXISTING

ALLOWABLE HEIGHT					
	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS		SHOWN ON PLANS	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPE II-B	N/A		TYPE II-B	
BUILDING HEIGHT IN FEET	55 FEET	FEET= H + 20" ^a	N/A	26 FEET	SECT. 504.2
BUILDING HEIGHT IN STORIES	2 STORIES	STORIES+1" ^a	N/A	1 STORY	SECT. 504.2

FIRE PROTECTION REQUIREMENTS: LIFE SAFETY PLAN SHEET NO., IF PROVIDED		SHEET G100				
	RATING	W/SPRINKLER REDUCTION	DETAIL NO. AND SHEET NO.	DETAIL NO. FOR RATED ASSEMBLY SEE NO. 4	DESIGN NO. FOR RATED PENETRATIONS	DETAIL NO. FOR RATED JOINT SEE NO. 4
	REQ'D					
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES						
NONBEAR'G WALLS AND PARTITIONS EXTERIOR INTERIOR						
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS						
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS						

DESIGN LOADS:		CATEGORY/USE GROUP _____ V _____ (I, II, III)	
CLASSIFICATION OF BUILDING:			
LIVE LOAD:	ROOF _____ 20 PSF		
	ATTIC _____ N/A PSF		
	MEZZANINE _____ N/A PSF		
	FLOOR _____ 40 PSF		
SNOW LOAD:	FLAT-ROOF LOAD _____ 10 _____	IMPORTANCE FACTOR _____ 1.0 _____	
	EXPOSURE FACTOR _____	IMPORTANCE FACTOR _____ 1.0 _____	
WIND LOAD:	BASIC SPEED _____ (3-SECOND GUST, ASCE 7-98 EDITION)		
	EXPOSURE _____ IMPORTANCE FACTOR _____ 1.0 _____		
	_____ .18 _____ COMPONENTS AND CLADDING _____ "B" _____		
EARTHQUAKE LOAD:	_____ "B" _____ SITE CLASS _____ F _____		
	_____ II _____ IMPORTANCE FACTOR _____ 1.0 _____		
WIND BASE SHEARS (FOR MWFRS)		Vx= _____ 26.1K	Vy= _____ 39.2K

DESIGNER STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE THERMAL ENVELOPE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, VOLUME X-ENERGY.

SIGNED: _____

NAME: SHAWN E. HOSTETLER, A.I.A.

TITLE: PRINCIPAL, KOT HOSTETLER ARCHITECTS, PLLC.

